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# Electrical & Electronics Abstracts

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July-December 1981

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## CONTENTS

Title page	i	'Small' indexes	LI1
Author index	A303	List of Journals	LJ1

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Cumulative indexes to Science Abstracts are published twice a year covering the period January-June and July-December. They comprise author and subject indexes and some specialised or 'small' indexes. For Physics Abstracts and Electrical & Electronic Abstracts the Author Index and Subject Index are published as separate volumes. In this case the Small Indexes are included in the Author Index volume.

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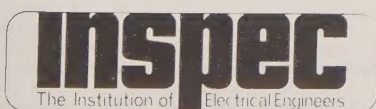
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# Author Index

- Aa, J. Van der see Van der Aa, J.
- Aagesen, F.A., Lundh, Y. SATNET: An experimental satellite network for packet switching 1-33957
- Aalto, A., Jouhki, A. The changing role of hydro in Finland 1-49323
- Aam, S. see Fjeld, M. 1-31088
- Aarik, J.A., Dolginov, L.M., Druzhinina, L.V., Eliseev, P.G., Louk, P.A., Milvidskij, M.G., Sverdlov, B.N., Friedenthal, J.K. Epitaxial AlGaAsSb-GaSb(AlGaSb) heterostructures for injection lasers 1-33239
- Aase, D.T. see Laity, W.W. 1-31127
- Aasen, J.O. see Braekhus, J. 1-39711
- Aasted, J. see Lemanczyk, J. 1-41370
- Aatre, V.K. see Wong, K.M. 1-29166
- Abadia, V., Avalos, J.Z. Insulation resistance problems and its relationship to transmission 1-32443
- Abakumov, B.M. see Shishkov, A.G. 1-28238
- Abate, J.A. see Brown, D.C. 1-37091, 1-51420
- Abate, J.A. see Kelly, J.H. 1-37092
- Abatzoglou, T. Maximum likelihood estimates for frequencies of sinusoids of unknown scaling and phase 1-52131
- Abauzit, P., Serignat, J.F., Degryse, D. Real time speech synthesis with a fast processor 1-30051
- Abbakumov, K.E., Golubev, A.S., Polunin, N.N. Acoustic parameters of a flattened graphite inclusion in copper-alloy sheet 1-36002
- Abbas, C., Lietz, M., Sittig, R. Turn-off behaviour of power rectifiers 1-27988
- Abbas, D.C. 0.5-MHz bandwidth, voltage-programmable current source for light-emitting-diode testing 1-28603
- Abbas, D.C., Phelps, D.J. Double-AC Hall effect system with simple, digital oscillator with application to semiconductor measurements 1-48200
- Abbas, S.A., Magdo, I.E., Riseman, J. Polysilicon as a diffusion source for subcollector formation 1-50916
- Abbasi, S.A., Brunnschweiler, A. Effect of masking geometry on gain of bipolar transistors 1-27990
- Abbasi, S.A., Takleh, O., Brunnschweiler, A., Smith, J.G. Variation of diffused boron concentration in the neighbourhood of an oxide-masked edge 1-45900
- Abbe, M. On a method to estimate the transient current and torque peaks at reconnection of induction motors 1-53447
- Abbink, F. see Guth, V. 1-38499
- Abbott, A.R. Lead-acid battery selection for electronic switching 1-42092
- Abbott, C. see Mathews, M.V. 1-52280
- Abbott, N.P. see Orford, G.R. 1-42719
- Abbott, R., Kokkonen, K., Kung, R.I., Smith, R.J. Equipping a line of memories with spare cells 1-45357
- Abbott, S. see Gavin, B. 1-43184
- Abbott, T.D., Ream, G.L., Schaefer, D.W., Stahl, K.J. Two-dimensional ink jet misdirection sensor 1-38169
- Abbozzo, L. Ronchi see Ronchi Abbozzo, L.
- Abd-El-Aziz Sabri see Marzouk Ibrahim, M. 1-45523
- Abdalla, A.A. see Fadel, M.A. 1-52817
- Abdalla, M.I., Godin, A., Brenac, A., Noblanc, J.-P. Electrical conduction and degradation mechanisms in powder ZnS:Mn, Cu direct current electroluminescent devices 1-41022
- Abdalla, M.I., Thomas, J., Brenac, A., Noblanc, J.-P. Performance of DC EL coevaporated ZnS:Mn, Cu low voltage devices 1-41023
- Abdalla, O.H. see Hogg, B.W. 1-31178
- Abdel Gadir, O.M., Quarmby, D.J. A microprocessor-based, real-time video analysis system 1-52275
- Abdel Kawy, A. see Adib, M. 1-48656
- Abdel Salam, F.W., Mahmoud, S.I. On the vacuum breakdown properties of the accelerating tube in an ion accelerator 1-30295
- Abdel-latif, A. Ismail see Ismail Abdel-latif, A.
- Abdou, M.A. see Baker, C.C. 1-30916, 1-35016
- Abdul-Fattah, A.F. see Raof, M.A. 1-38573
- Abdullaev, G.B., Tagiev, B.G., Mustafaeva, S.N., Gasanov, I.A., Azizov, T.Kh., Ibragimova, E.N. Electrical relaxation under DC conditions in M-GaSe-M structures 1-32723
- Abdullaev, G.B., Tagirov, V.I., Kyazym-zade, A.G., Panakhov, M.M., Guliev, A.O., Salmanov, V.M. Photoconductivity of indium monoselenide at high optical excitation rates 1-37010
- Abdullaev, G.B., Tagirov, V.I., Kyazym-zade, A.G., Panakhov, M.M., Salmanov, V.M. Characteristics of the photoconductivity of anisotropic InSe crystals 1-33116
- Abdullaev, N.D., Petrov, Yu.P. Using the spectral density of load variations when synthesising voltage regulators 1-35149
- Abdullaev, Ya.R. Electromechanical converters utilizing the induction suspension principle 1-31331
- Abdullayev, A.G., Karnaukhov, A.M., Khanjanov, S.K. Surface properties of Si/SiO<sub>2</sub> heterojunctions with electrolytically anodized oxide 1-40473
- Abdullayev, A.G., Karnaukhov, A.M., Mamedov, N.M. Switching and memory effect in Al/Al<sub>2</sub>O<sub>3</sub>/Cu<sub>2-x</sub>Te tunnel junctions 1-32717
- Abdullayev, I.M., Mamedov, N.Ya. Dynamic error analysis of time-pulse integrating AC analog-digital converters 1-27579
- Abdulov, N.A. Improvement of operating reliability of the electrical equipment in oil-refining plants 1-49846
- Abdurakhmanov, U. see Magrupov, M.A. 1-50803
- Abe, A. see Ogawa, H. 1-32073
- Abe, H., Nagura, A., Katayama, H., Shibaya, H., Katayama, H., Shibaya, H. Magnetic recording of a high-definition television signal 1-34109
- Abe, H. see Fukunami, M. 1-43361
- Abe, H. see Fukushima, M. 1-43362
- Abe, H. see Shimazu, T. 1-43325
- Abe, M., Isigame, M., Kido, K. Revolving microphone system for estimating the direction and spectrum of incident sound 1-52960
- Abe, M. see Gomi, M. 1-40964
- Abe, M. see Mimura, T. 1-50511
- Abe, N., Higashide, M., Tsuji, S. An improvement of FLISP including an installation of picture processing functions 1-33689
- Abe, S. see Adachi, S. 1-51665
- Abe, S. see Akimaru, H. 1-47319
- Abe, T., Yamaguchi, Y. Propagation constant below cutoff frequency in a circular waveguide with conducting medium 1-37340
- Abe, T. see Masui, T. 1-27686
- Abe, T. see Saito, M. 1-31655
- Abe, T. see Yamaguchi, Y. 1-41285, 1-50612
- Abe, Y., Kanada, Y., Terashima, Y., Tsuda, K., Watanabe, R. Information processing and numerical computation in plasma science 1-31945
- Abe, Y. see Kobayashi, K. 1-41084
- Abe, Y. see Utaka, K. 1-41085
- Abel, K. see Guder, H. 1-53267
- Abele, L. see Kitahashi, T. 1-29201
- Abele, R.K., Allin, G.W., Clay, W.T., Fowler, C.E., Kopp, M.K. Large-area proportional counter camera for the US national small-angle neutron scattering facility 1-34462
- Abeles, B., Wronski, C.R., Goldstein, Y., Stasiewski, H.E., Gutkowicz-Krusin, D., Tiedje, T., Cody, G.D. Collection efficiency of photogenerated carriers in silicon hydride a-SiH<sub>x</sub> MIS solar cell structures 1-49670
- Abella, J. Menarquez see Menarquez Abella, J.
- Abellan, J. see Iniguez, J. 1-32964
- Abens, S. Portable fuel cells 1-35348
- Abidine Amri, Z. El see El Abidine Amri, Z.
- Abiko, I. see Nakaya, S. 1-42708
- Abilova, N.A. see Rizakhanov, M.A. 1-33113
- Abif'slitov, G.A., Artamonov, A.V., Velikhov, E.P., Egorov, Yu.A., Kazhidub, A.V., Lebedev, F.V., Sidorenko, E.M., Sumerin, V.V., Frolov, V.M. Continuous-wave 10-kW CO<sub>2</sub> processing laser 1-37083
- Abiri, M.A., Watson, A. The influence of electrode material upon prebreakdown current in viscous dielectric oil 1-36722
- Ablasser, I., Jager, U. Circuit recognition and verification based on layout information 1-46335
- Abnous, R. see McCoy, J.M. 1-39311
- Abo El-Soud, S., Garas, E., El-Dokany, I.M. Accuracy of noise-modulated range altimeter 1-34659
- Abo-Shady, S.E. see Ahmed, F.I. 1-35152, 1-38968
- Aboaf, J.A., Klokholm, E. Zero magnetostriction or slightly negative magnetostriction of thin films based on CoTi alloys 1-40782
- Abolfotoh, M.O. Structure to reduce glow spreading in DC panel 1-36447
- Abolfotoh, M.O., Pleshko, P. Stepped dielectric structure for AC plasma display panel 1-40368
- Abolfotoh, M.O., Sahni, O. Aging characteristics of AC plasma display panels 1-42684
- Abolfotoh, M.O. see Sahni, O. 1-42683
- Abol'nikov, L.M., Postan, M.Ya. On duality relations in queueing systems with group appearance, group servicing, and feedback 1-35719
- Aboltin'sh, E.E. Semiconductor in the field of a coil 1-28844
- Aboltin'sh, E.E., Kugel', Kh.I., Zolovkina, I.S. Analysis of the potential distribution over the semiconductor surface 1-28845
- Abos Imre see Imre Abos
- Abou-Elfotouh, F.A. Studies of silicon MOS Schottky barriers 1-46018
- Abou-Elfotouh, F.A., Al Mass'ari, M.A. Studies of photovoltaic heterojunction solar cell using silicon and mixed cadmium zinc sulphide 1-53652
- Abou-Ghantous, C. An economic model for fuel cycle cost 1-30636
- Abou-Sayed, I.S. see Zahoor, A. 1-39712
- Abouammoh, A.M., Mashhour, A.F. A note on the unimodality of discrete distributions 1-50142
- Abouldahb, M.A. see Mandour, I.A. 1-51735
- Aboutajdine, D., El Abidine Amri, Z., Najim, M. Robust arrival time determination of seismic waves in noise 1-43435
- Abouzahra, M.D. On the radiation from microstrip discontinuities 1-37338
- Abraham, J.A., Parker, K.P. Practical microprocessor testing: open and closed loop approaches 1-27468
- Abraham, K.M., Pitts, L. Moderate temperature Na cells. II. Transition metal diselenide cathodes 1-44322
- Abraham-Shrauner, B. Instabilities of inertial transport in semiconductors 1-45893
- Abrahams, J. On the selection of measures of distance between probability distributions 1-37570
- Abrahams, J., Thomas, J.B. Some comments on conditionally Markov and reciprocal Gaussian processes 1-39561
- Abrahams, J., Thomas, J.B. Some comments on conditionally Markov and reciprocal Gaussian processes 1-50147
- Abrahams, M.S., Hutchison, J.L., Booker, G.R. Direct observation of a silicon-sapphire hetero-epitaxial interface by high resolution transmission electron microscopy 1-27890
- Abrahamsson, L., Danielsson, T. NS 16000: micro-computer with minicomputer-architecture 1-40027
- Abrahamsson, P., Persson, E., Jacobson, B. Implementation of OPAS-I in the Swedish telephone network 1-37801
- Abraitis, A., Ross, T. Direct readout particle detection system 1-40485
- Abraizov, M.G., Vishnevskaya, N.F., Kaplin, V.A., Chokyrilan, V.N. On the use of glow discharges for adjusting thick-film resistors 1-36415
- Abramkin, Yu.V. see Ivanov-Smolenskii, A.V. 1-40777
- Abramov, A.A. Theory of magnetodiodes. II. Approximate allowance for space charge 1-32793
- Abramovici, M. A maximal resolution guided-probe testing algorithm 1-47928
- Abramovitz, A., Bar-ness, Y. TSRMA—a communication protocol for data transmission by radio channels 1-47383
- Abramovitz, I.J., Berg, N.J., Casseday, M.W. Interferometric surface-wave acousto-optic time-integrating correlators 1-32958
- Abramovitz, I.J. see Casseday, M.W. 1-37857
- Abrams, S. Sideband noise problems in receiver testing 1-46954

- Abramson, J., Dybbs, A., Greber, I., Hazony, D. Echo enhancement techniques in corneal ultrasonography 1-38506
- Abramson, N., Bjelkhagen, H. Deformation, displacement and vibration investigations in manufacturing applications using a new hologram interferometry technique 1-52574
- Abramson, P. High-speed bipolar data transmission system 1-51988
- Abramson, P., Rogers, L.S. Bi-phase to NRZ decoder 1-29088
- Abreu, L.W. see Falcone, V.J., Jr. 1-46889
- Abreu, V.J., Killeen, T.L., Hays, P.B. Tristatic high resolution Doppler lidar to study winds and turbulence in the troposphere 1-48847
- Abrial, L., Celette, J., Chedaile, J., Denis, M. Heating steel billets by the Joule effect 1-53810
- Abroal, C.V., Murty, V.B. Equivalent hunting networks of an inverter-fed capacitor-run induction motor 1-53471
- Abrokwhah, J. see Jamison, S. 1-45682
- Abrokwhah, J.K., Gershenzon, M. Liquid phase epitaxial growth and characterization of  $\text{InAs}_x\text{Sb}_{1-x}$  and  $\text{In}_{1-y}\text{Ga}_y\text{Sb}$  on (111)B InSb substrates 1-35954
- Abrokwhah, J.K., Hitchell, M.L., Borell, J.E., Schulze, D.R. High purity and chrome-doped GaAs buffer layers grown by liquid phase epitaxy for MESFET application 1-50288
- Abromavage, M.M. see Valentino, A.R. 1-31133
- Abtahi, F. see Bzura, J.J. 1-31180
- Abu el Ata-Doss, S. Sensitivity reduction to small parameter variations for distributed control systems 1-50254
- Abu Hassan, M., Storey, C. Numerical determination of domains of attraction for electrical power systems using the method of Zubov 1-48961
- Abu-El-Haija, A.I. On limit cycle amplitudes in error-feedback digital filters 1-40139
- Abu-El-Magd, M.A., Sinha, N.K. Two new algorithms for on-line modelling and forecasting of the load demand of a multinode power system 1-43618
- Abu-Khuzam, H. On rings with nil commutator ideal 1-31966
- Abubaker, M. see Smith, I.K. 1-53250
- Abuelma'atti, M.T. Synthesis of a concave monotonically increasing function using the diode-equation model 1-45223
- Abulaffio, Y. see Aranoff, S. 1-45770
- Abusev, R.A., Lumel'skii, Y.P. Unbiased estimators and classification problems for multivariate normal populations 1-44893
- Abut, H., Gray, R.M., Rebollo, G. Vector quantization of speech and speech-like waveforms 1-33598
- Abut, H., Gray, R.M., Rebollo, G. Vector quantization of speech waveforms 1-37440
- Abzug, B.M. Using the prediction residual to improve LPC synthesis for 9600 BPS applications 1-41578
- Acampora, A.S. Rain margin improvement using resource sharing in 12-GHz satellite downlinks 1-41230
- Acampora, A.S., Greenstein, L.J., Vannucci, G., Yeh, Y.S. Burst mode synchronization at low CNR levels 1-29247
- Accard, A., Benoit, J., Vergnaud, R. LPE growth of InP thin layers from supercooled solutions by the two-phase technique 1-39787
- Accarino, N., Cardarelli, C., Corsi, N., Parodi, R. Signalling, management and control in the Italian packet switched data network 1-47431
- Accarino, N., Micciarelli, A., Parodi, R., Rossi, C. Quality of service, reliability and capacity of the equipments of the Italian packet switched data network 1-47432
- Accatino, L., Angelucci, A. Highly stable PLL source for Ku-band XPD measurements 1-30243
- Accatino, L., Angelucci, A. A dielectric resonator filter as low-loss delay element for 14 GHz on-board 40-DCPSK demodulation [regenerative satellite repeaters] 1-47657
- Accornero, N. Active surface EMG probe and contour follower 1-48713
- Acedo, H.A., Anger, F., Crooks, W., Kroll, C., Licican, L.C. Glow-discharge silicon nitride membrane nozzle 1-32736
- Acena, J.A. Hernandez see Hernandez Acena, J.A.
- Acena, M.L. see Garcia-Torano, E. 1-48596
- Acerbi, E., Aghion, F., Baccaglioni, G., Bellomo, G., Birattari, C., Castiglioni, M., de Martinis, C., Fabrice, E., Pagani, C., Resmini, F., Salomone, A., Varisco, G. The Milan superconducting cyclotron project 1-42896
- Acerbi, E., Faure, J., Laune, B., Penicaud, J.P., Tkatchenko, M. Design and magnetic results on a 3 Tesla, 10 Weber spectrometer magnet at Saclay 1-52739
- Acha, J.L., Robles-Diaz, R. On the ladder realization of FIR digital filters 1-36258
- Acharya, N.A. Formulation of singularly-perturbed estimation problems 1-51842
- Acharya, N.A. see Mealy, G.L. 1-48981
- Achasov, O.V., Vityaz', P.A., Labuda, S.A., Popko, S.V., Sivets, S., Fomin, N.A., Sheleg, V.K. Porous mixers for gasdynamic lasers with selective thermal excitation 1-41053
- Achenbach, F., Achenbach, U., Samans, K.-E., Wohlfarth-Buttermann, K.-E. An inexpensive 'silicon photo device' for transmicroscopic registration of rhythmical movement phenomena 1-28581
- Achenbach, U. see Achenbach, F. 1-28581
- Achterberg, E. see Perez Ferreira, E. 1-42853
- Achyutha, B.T. see Radhakrishnan, V. 1-35535
- Acken, J.M. see Raeth, P.G. 1-45431
- Ackenhusen, J.G., Rabiner, L.R. Microprocessor implementation of an LPC-based isolated word recognizer 1-41572
- Acker, A. An extremal problem involving current flow through distributed resistance 1-51563
- Acker, A.R., Wirtz, A.R. A versatile sonar system for ocean research and fisheries applications 1-48873
- Acker, F. Nepal's last natural resource: electricity 1-31077
- Ackerman, G.B. see Man-Loong Chan 1-34778, 1-38663
- Ackerman, R.H. see Correia, J.A. 1-34573
- Ackermann, N.J., Jr., Anderson, E.W., Hartman, W.F., Mott, J.E., Nutt, R., Piety, K.R. Recent applications of smart instrumentation in nuclear power plants 1-35011
- Ackland, B., Weste, N., Burr, D.J. An integrated multiprocessing array for time warp pattern matching 1-41626
- Ackland, B. see Burr, D.J. 1-37476
- Ackland, D.H., Hintze, M. Transient recovery voltages in 11 kV systems 1-34869
- Ackley, D.E., Engelmann, R.W.H. High-power leaky-mode multiple-stripe laser 1-46728
- Ackroyd, M.H. Detection of speech signals in noise 1-41617
- Ackroyd, M.H. see Bakry, S.H. 1-29236
- Acosta, E., Nava, H.O. A model of the coupling between posts in waveguides using equivalent transmission lines 1-46998
- Acquadro, J.C. see Sala, O. 1-42851
- Acton, J.P. see Lillard, L.A. 1-52983
- Acuna, M.H. The Magsat precision vector magnetometer 1-34700
- Acuna, M.H. see Medford, L.V. 1-38582
- Adachi, A. see Takei, T. 1-52114
- Adachi, F. Statistical estimate of median received signal voltage in a Rayleigh fading environment 1-42203
- Adachi, F. Post-detection diversity effects in a quaternary digital FM land mobile radio 1-47567
- Adachi, F. Selection and scanning diversity effects in a digital FM land mobile radio with limiter discriminator detection 1-52077
- Adachi, F., Yoshida, H. Effective sample size and sampling frequency of statistical estimate of average received signal power in a Rayleigh fading signal environment 1-51839
- Adachi, H., Nakamura, S. An approach of IIR digital filter using sub adaptive delta modulation 1-45537
- Adachi, H., Sase, M., Zaima, S., Shibata, Y. Performance computations for a high-resolution retarding field electron energy analyser with a simple electrode configuration 1-34476
- Adachi, H., Shibata, Y. Anomalous behaviour of dielectric dispersion properties of evaporated silicon oxide films under DC high electric fields 1-28142
- Adachi, J. see Kumaki, S. 1-34133
- Adachi, K., Nishida, T. An inspection policy for one-unit system subject to revealed and unrevealed failures 1-31900
- Adachi, K. see Matsui, S. 1-45111
- Adachi, S., Kawaguchi, H. Chemical etching characteristics of (001)InP 1-46069
- Adachi, S., Kawaguchi, H. InGaAsP-InP planar-stripe lasers fabricated by wet chemical etching 1-51460
- Adachi, S., Suzuki, O., Abe, S. Receiving efficiency of an infinite phased array antenna above a reflecting plane 1-51665
- Adachi, S. see Fujita, T. 1-43440
- Adachi, S. see Ohnuki, S. 1-47057, 1-51657
- Adachi, S. see Sha, K. 1-47060, 1-47061
- Adachi, T., Asano, M., Takahashi, I., Hattori, K. STOC test program and diagnostic program [facsimile] 1-33772
- Adachi, T., Helms, C.R. The effect of ion induced roughness on the depth resolution of Auger sputter profiling of MNOS devices 1-50841
- Adachi, T. see Furukawa, M. 1-42403
- Adachi, T. see Kasahara, K. 1-42694
- Adachi, T. see Nakatani, Y. 1-33764
- Adachi, T. see Ogura, S. 1-33313
- Adachi, T. see Phan, L.C. 1-38781, 1-43725
- Adachi, T. see Yanagisawa, T. 1-52547
- Adachi, Y. see Ogura, M. 1-41033
- Adachi, Y. see Suzuki, T. 1-33195
- Adair, A.M. see Holmes, D.S. 1-28303
- Adair, R.K. see Leipuner, L.B. 1-43259
- Adam, A., Kardevan, P., Kormos, I., Nagy, Z., Pongracz, J., Regeni, P., Szabadvary, L., Szarka, L., Zimanyi, I. Analogue model for studying geoelectric methods in the Geodetic and Geophysical Research Institute of the Hungarian Academy of Sciences 1-48839
- Adam, C.P., Nutter, J.L. Power supplies for railway electrification and general use in a remote area 1-31574
- Adam, C.P., Nutter, J.L. Power supplies for railway electrification and general use in a remote area 1-35474
- Adam, E., Gregory, E., Koop, D., Marancik, W. Practical superconductors for high energy physics (HEP) magnets 1-43115
- Adam, E. see Hong, S.O. 1-28389
- Adam, E. see Sanger, P.A. 1-28286
- Adam, E. see Spencer, C. 1-28394
- Adam, J., Kreisinger, V. Transient phenomena in a three phase nonlinear system 1-35160
- Adam, J.D., O'Keeffe, T.W., Daniel, M.R. Magnetostatic wave devices for microwave signal processing 1-40826
- Adam, J.D. see O'Keeffe, T.W. 1-36832
- Adam, L. see Dagan, J. 1-34624
- Adam, S., Joho, W., Lanz, P., Leber, H., Schmid, N., Schryber, U. First operation of a flattop accelerating system in an isochronous cyclotron 1-43053
- Adamantides, A.G. see Loewenstein, W.B. 1-53224
- Adamczewski, J. Directions for designing the system: exciter-guide-sample in the Foner type magnetometer, based on a mathematical model 1-34235
- Adamczyk, A. Liquid-crystal displays 1-34336
- Adami, H., Batch, B.A. Aeolian vibrations of tubular busbars in outdoor substations 1-49531
- Adamiak, K. Application of coils with current to the magnetic field synthesis 1-33323
- Adamiak, K. On Fredholm integral equations of the first kind occurring in synthesis of electromagnetic fields 1-51561
- Adamiak, M.G. see Phadke, A.G. 1-34949, 1-43785
- Adamo, M.D. see Hickernell, F.S. 1-46371
- Adamou, A. Surface acoustic wave amplification in semiconducting piezoelectric crystals 1-40739
- Adamovsky, G. see Fritsch, K. 1-46534
- Adams, A.C. Plasma planarization [IC processing] 1-46078
- Adams, A.C. Characterization of films formed by pyrolysis of borazine 1-50694
- Adams, A.C., Capio, C.D. Edge profiles in the plasma etching of polycrystalline silicon 1-27948
- Adams, A.C., Capio, C.D. Planarization of phosphorus-doped silicon dioxide 1-27950
- Adams, A.C. see Johnson, A.M. 1-46607, 1-46621
- Adams, A.R., Tatham, H.L. Temperature dependence of the Gunn threshold in GaAs 1-45923
- Adams, A.R. see Asada, M. 1-37105
- Adams, A.R. see Hayes, J.R. 1-27800
- Adams, A.T. see Mautz, J.R. 1-51596
- Adams, C.A., Kusters, J.A. The SC cut, a brief summary 1-36729
- Adams, C.R. see Smith, P.W. 1-41046
- Adams, E., Ames, W.F. On contracting interval iteration for nonlinear problems in  $\mathbb{R}^n$ . II. Applications 1-50261
- Adams, G.R., Jackson, J.D., Heeks, J.S. Monolithic ZnO-GaAs acousto-electric devices 1-36754
- Adams, J., Schmitt-Wittrock, P. Optimising the cleaning intervals of gas turbine compressors 1-35064
- Adams, J.E. see Powers, R.S. 1-47810
- Adams, K. see Rice, D. 1-42989
- Adams, K. see Seeman, J. 1-43023
- Adams, L.J. see Barker, R.E., Jr. 1-34362
- Adams, M.E., Nesetrl, J., Sichter, J. Quotients of rigid graphs 1-50200
- Adams, M.J. A unified approach to the problems of semiconductor laser theory 1-51473
- Adams, P. Current limiting circuit-breakers—death knell for the fuse? 1-31347
- Adams, P. Cascading with moulded-case circuit breakers 1-49596
- Adams, P.F., Glen, P.J., Woolhouse, S.P. Echo cancellation applied to WAL 2 digital transmission in the local network 1-41886
- Adams, R.D., Boyko, S., Shumin, W.A., Steele, J.B. Flexible output tabs for laminar buses [PCBs] 1-50691
- Adams, R.L., Liou, M.L. Overview of high-speed duplex data transmission 1-47437
- Adams, T.D. see Nothnick, C.E. 1-46439
- Adams, T.E. Micro-images from ultrasound [scanning laser acoustic microscope] 1-52958
- Adams, W. see Bell, R. 1-50674
- Adamse, J.-W.C. see van Turnhout, J. 1-41195
- Adamski, J. see Pawluk, K. 1-51556
- Adan, A. see Zolomy, I. 1-28033
- Adan, F. Electronic traction in railways. I 1-53746
- Adas'ko, V.I., Veselovskii, V.N., Raisin, I.B., Duvanov, Yu.T., Chistov, B.Ya. DC motor with four-layered deposited disk armature 1-31250

- Adaszewski, W., Grejcz, B., Kochanski, J., Kossakowski, Z., Lukasick, T., Plewko, K., Popa, F., Smolenska, H., Sochacki, J., Strozak, R., Wisniewski, G., Zielinski, A. Telecommunications in Poland 1-47306
- Adatia, N., Watson, B.K., Ghosh, S. Dual polarized elliptical beam antenna for satellite application 1-52098
- Adatia, N.A., Claydon, B., Brain, D. Primary-feed elements for multiple and contoured beam satellite antennas 1-41355
- Adatia, N.A. *see* Browning, D.J. 1-41356
- Adatia, N.A. *see* Ghosh, S. 1-41448, 1-47080
- Adbelkrim, M. *see* Muoy, Y.H. 1-39114
- Adby, P.R. Wiring operators for two-port analysis 1-36046
- Adby, P.R. Two-port analysis in terms of characteristic polynomials 1-39853
- Addison, R. *see* Elsley, R. 1-38631
- Addy, J., Wright, W.L. Liquid crystal cell seal 1-46584
- Adekola, S.A. Compact theory of a multielement broadside array of uniformly spaced echosonde antennas 1-52964
- Adelseck, B., Callsen, H., Hofmann, H., Meinel, H., Rembold, B. New millimeter wave components using quasiparallel lines 1-36323
- Adel'son-Vel'skii, G.M., Akimov, V.P., Arlazarov, V.L. Probabilistic approach to justification of the Shannon game model 1-35721
- Adhav, R.S. *see* Adhav, S.R. 1-28522
- Adhav, S.R., Adhav, R.S. Traveling wave amplitude modulator with 1-GHz bandwidth for coherent light optical communication 1-28522
- Adhikari, B.C. The measurement of longitudinal ultrasonic wave velocity in solids 1-34404
- Adib, M., Eid, Y., Abdel Kawy, A., Maayouf, R.M.A., Shuriet, G.M., Hamouda, I. Investigation of the behaviour of both dead time and observed counting rates of He-3 gas filled neutron detector 1-48656
- Adibi, M.M. *see* Kafka, R.J. 1-49013
- Adielson, T., Carlson, A., Margolis, H.B., Haladaya, J.A. Resonant overvoltages in EHV transformers—modeling and application 1-44166
- Adkins, L.R., Glass, H.L. Dispersion control in magnetostatic delay lines by means of multiple magnetic layer structures 1-36833
- Adler, D. Amorphous silicon offers promise of cost reductions 1-35395
- Adler, D. *see* Senturia, S.D. 1-50799
- Adler, E.L. Electromagnetic long-line effects in surface wave convolvers 1-32938
- Adler, E.L., Cafarella, J.H. Design criteria for surface-acoustic-wave convolvers 1-28211
- Adler, E.L., Cafarella, J.H. The effect of acoustic dispersion and attenuation on SAW convolver performance 1-32928
- Adler, G. *see* Kloeppel, F.W. 1-39432
- Adler, M.S., Possin, G.E. Achieving accuracy in transistor and thyristor modeling 1-50898
- Adler, M.S. *see* Baliga, B.J. 1-46153
- Adler, R., Janes, D., Datta, S., Hunsinger, B.J. Acoustoelectric mobility measurements on films with negligible acoustic loss 1-36453
- Adler, R. *see* Datta, S. 1-36789
- Adler, R. *see* Janes, D. 1-45942
- Adler, R.B., Kirn, W.G., Hazelrigg, G.A. A distribution system/end user cost model 1-43562
- Adler, R.J. Conservation of axial momentum in intense ion beam systems 1-52664
- Adler, R.J., Genoni, T.C., Miller, R.B. The beam breakup instability of pulsed transmission line linear accelerators 1-48421
- Adler, R.J. *see* Miller, R.B. 1-48397
- Adler, R.L., Hassner, M. Algorithms for sliding block codes (an application of symbolic dynamics to information theory) 1-33515
- Adlerstein, M.G., McClymonds, J.W., Statz, H. Avalanche response time in GaAs as determined from microwave admittance measurements 1-40541
- Admirand, D.J., Kneule, W., Kraus, G.K. Fast-slow level control for flat plane registration [wafer handling] 1-40643
- Admirand, D.J., Richcreek, K.W., Jr. Missing pattern detector 1-26955
- Ado, Yu.M., Bruck, V.L., Gurevich, A.S., Lomov, K.P., Myae, E.A., Troyanov, E.F. Study of the betatron resonances on 0.0386 T flat porch (booster injection level) at Serpukhov proton synchrotron 1-48457
- Ado, Yu.M., Ovchinnikov, M.F., Vazhenin, V.A. Charge exchange injection at the 76 GeV IHEP proton synchrotron 1-48574
- Adolf, E.M., Timan, B.L., Fainer, M.Sh. Interaction of surface acoustic waves with injected carriers in piezoelectric crystals 1-32903
- Adolphs, D. Microcomputers in telephone sets 1-29497
- Adon'ev, N.M., Kukekov, G.A., Vasserina, K.N., Lunin, V.P., Frolov, V.Ya. Parameter optimisation of an arc-quenching system in high-voltage apparatus with a thyristor add-on unit 1-44267
- Adonin, V.M., Gulyukina, N.A., Nemirov, Yu.V., Mogil'nitskii, M.I. One method of automated data processing in radiometric inspection 1-32119
- Adorni, N., Ceppatelli, L., Grassi, A., Palama, A., Rosselli, P. Construction of a probe for measuring temperature and pressure in deep wells 1-38568
- Adoul, J.-P. *see* Mabileau, P. 1-33559, 1-41576
- Adrian, H. *see* Nolscher, C. 1-40847
- Adrian, C.J. Magnetic levitation technology for automated guideway transit applications 1-31600
- Adriani, A. *see* Congeduti, F. 1-43436
- Advani, G.N. *see* Cooper, R.B. 1-42604
- Ae, T. *see* Watanabe, T. 1-31987, 1-39600, 1-39604, 1-44917
- Aeberhard, M., Hansen, M., Zurcher, A. Operation of the APE A64S 1-42063
- A.Eidinger *see* Eidinger A.
- Aeschbach, U. Printed board analogue testing in the case of a hand-held single-part ATLANTA telephone 1-51993
- Af Gennas, C.Boije *see* Boije Af Gennas, C.
- Afacan, O. *see* Yacamini, R. 1-35441
- Afanasenkov, M.P., Berkman, R.Ya., Klimovich, E.N. A method of generation of magnetic fields with a changeable structure 1-37261
- Afanas'ev, A.L. Parametric instability of space-charge waves in inhomogeneous structures 1-36437
- Afanas'ev, M.I. *see* Gitis, M.B. 1-39833
- Afanas'ev, V.L., Pimonov, A.A. Loss in resolving power of electron-optical converters with electromagnetic focusing under prolonged exposures 1-36974
- Afanas'ev, Yu.A. *see* Ovechkin, L.B. 1-52320
- Afanasev, A.A., Barrault, M.R., Blackburn, T.R., Jones, G.R., Sethuraman, S.K. Characteristics of electromagnetically driven helix arcs for DC switching 1-53578
- Afendikov, A.E. *see* Kurilov, G.V. 1-49828
- Affatato, A. Control and isolation dampers for power plants 1-38842
- Affifi, M., Meier, R., Dod, L. Radiation performance of a large slotted waveguide array for satellite borne radiometric applications 1-51732
- Afonin, A.A., Bondarenko, V.I., Grebenikov, V.V. Calculating by computer certain dynamic characteristics of an electromagnetic motor, taking the shape of the nonmagnetic gap into account 1-31266
- Afraimovich, E.L. Cepstral analysis of broad-band radio emission. New possibilities in radio astronomy 1-42364
- Afraimovich, E.L. *see* Agafonnikov, Yu.M. 1-34023
- Aftergut, S., Cole, H.S., Jr. Brightness and contrast ratio of black-and-white reflective dichroic liquid-crystal displays 1-33090
- Afyan, V.V., Vartanyan, A.V., Zadde, V.V., Litzenko, T.A., Strebkov, D.S., Unishkov, V.A. Study of high-voltage photoelectric generators with solar radiation concentrators 1-49345
- Afzal Ansari, M. Estimation of escape probability of photons from proportional counters filled at different low pressures 1-52711
- Agafonnikov, Yu.M., Afraimovich, E.L., Polimatidi, V.P. Doppler filtering in short-wave direction finding. Combination with the method of analytic beam separation 1-34023
- Agafonov, V.G., Verdiev, M.G., Davidyuk, N.Yu. Evaporative cooling system for powerful emitters consisting of an array of heterojunction light-emitting diodes 1-51291
- Agarwal, B.H., Jadeja, P.U. Traction motors for India's first underground railway 1-53474
- Agarwal, A.K., Unrau, U. Mode controlled fabrication of fiber-optic components 1-36923
- Agarwal, A.K. *see* Faraone, L. 1-40613
- Agarwal, D.C. Ray concepts in optical fibres 1-33039
- Agarwal, D.D., Arora, S.S. Heat transfer characteristics of three-flute and five-flute elements for transformer radiators 1-35223
- Agarwal, M., Kumar, A. Analysis of a repairable redundant system with delayed replacement 1-35692
- Agarwal, R.C. *see* Mahanta, A. 1-40134
- Agarwal, S. *see* Yajurvedi, V.P. 1-39086
- Agarwal, S.C. *see* Mehra, R.M. 1-40422
- Agarwal, S.P. *see* Mathur, P.C. 1-36475
- Agarwal, S.P. *see* Ketkar, A.V. 1-44030
- Agarwala, A. *see* Sharma, S.K. 1-39126
- Agashe, P.G., Sitarman, V. Instrumental techniques for qualitative assessment of electrical insulation 1-53341
- Agatsuma, K., Maguire, J.F., Montgomery, A.G., Iwasa, Y. Investigation of quench propagation and stability margin in a sample internally-cooled, cabled superconductor (ICCS) 1-28416
- Agawa, M. *see* Lio, K. 1-44514
- Agee, B.G., Gardner, W.A. Embedded pilot signals for adaptive signal extraction in multichannel environments 1-33660
- Ageev, A.S. *see* Volkov, I.I. 1-47180
- Ageev, V.I. *see* Mirlin, G.A. 1-53828
- Agekyan, V.T., Berezhnaya, A.A. Spectroscopic investigation of the electric field distribution in a metal-semiconductor system under carrier photoinjection conditions 1-32704
- Agervald, O. Examples of assembly systems 1-53839
- Ageyev, A.I., Balbekov, V.I., Dmitrevsky, Yu.P., Dunaitsev, A.F., Fedotov, Yu.S., Gridasov, V.I., Komarov, V.V., Kurnayev, O.V., Lebedev, V.N., Logunov, A.A., Myznikov, K.P., Naumov, A.A., Rogozinsky, V.G., Shembel', B.K., Soloviev, L.D., Tarakanov, N.M., Yarba, V.A., Artemov, A.D., Dinaburg, L.D., Glukhikh, V.A., Gusev, O.A., Karasev, V.G., Kosyakin, M.N., Malyshev, I.F., Monosozon, N.A., Mozalevsky, I.A., Mozin, I.V., Peregud, V.I., Titov, V.A., Vasiliev, S.N., Gyu'l'khandanyan, A.M., Makeyev, E.L., Shiryaev, F.Z., Vasiliev, A.A., Vorontsov, G.P., Kuz'min, A.A., Vagin, A.I., Yelyan, V.V., Belyakov, V.P., Butkivich, I.K., Filin, N.V., Grigorenko, N.M., Kovalenko, V.D., Morkovkin, I.M. The IHEP accelerating and storage complex (UNK) status report 1-42866
- Aggarwal, A.K. Weapon delivery system using GPS 1-52174
- Aggarwal, J.K., Davis, L.S., Martin, W.N. Correspondence processes in dynamic scene analysis 1-33626
- Aggarwal, J.K. *see* Chang, H. 1-40131
- Aggarwal, J.K. *see* Nian-Chyi Huang 1-29202, 1-36259, 1-37593, 1-45550
- Aggarwal, J.K. *see* Sung-Han Park 1-45546
- Aggarwal, K. *see* Rao, K.H. 1-40415
- Aggarwal, K.K., Rai, S. Reliability evaluation in computer-communication networks 1-37746
- Aggarwal, K.K. *see* Gopal, K. 1-35576
- Aggarwal, K.K. *see* Soi, I.M. 1-33813, 1-38098, 1-41966
- Aggarwal, N.L., Bouchon, B. Minimization of discrimination measures 1-37395
- Aggarwal, R. *see* Hummel, R. 1-48813
- Aggarwal, R.K. *see* Johns, A.T. 1-49170
- Aggarwal, R.L. *see* McManus, J.B. 1-51519
- Aggleton, R.G. Improved laser trimming geometry for thick film resistors—philosophy and example 1-27719
- Aghion, F. *see* Acerbi, E. 1-42896
- Aghvami, A.H. *see* Mathews, N.A. 1-28939
- Agladze, R.I., Dzhalilashvili, M.N., Smykova, S.V. Preparation of raw material for ferrites in a magnetic field [Electrochemical preparation] 1-32966
- Agmon, P. *see* Moyer, R. 1-28563
- Agmon, P. *see* Moyer, R.H. 1-51248
- Agnew, D. SCAMPER: Circuit design for the 1980s 1-27220
- Agnew, D. Improved minimax optimisation for circuit design 1-45184
- Agnew, D. Simultaneous optimization of the time- and frequency-domain network responses for communication system design 1-50364
- Agnew, G.B., Mark, J.W. On distributed network routing and buffer management 1-29251
- Agnihotri, K., Thyagarajan, N. Process concepts in thermally efficient semiconductor packages 1-50009
- Agoritsas, V. A sealed metal argon ionization chamber (Argonion) 1-43204
- Agoshkov, V.I. *see* Marchuk, G.I. 1-35718
- Agrawai, G.P. *see* Lax, M. 1-28867
- Agrawal, A.K., Price, H.J. Experimental characterization of partially degenerate three-conductor transmission lines in the time domain 1-46972
- Agrawal, A.K., Vadakan, V.V. Jet propulsion local area network (JPLAN) 1-37768
- Agrawal, B.L., Farmer, R.G. Application of sub-synchronous oscillation relay—type SSO 1-43789
- Agrawal, B.L., Farmer, R.G. Application of sub-synchronous oscillation relay—type SSO 1-49179
- Agrawal, B.P., Shenoi, K. m-adic (polyadic) invariance and its applications 1-29159
- Agrawal, D.P. On-line bus fault diagnosis in microprocessor systems 1-36209
- Agrawal, D.P. *see* Joshi, R.C. 1-36276
- Agrawal, G.P. Effect of mode coupling on optical bistability in a bidirectional ring cavity 1-28771
- Agrawal, G.P., Flytzanis, C., Frey, R., Pradere, F. Bistable reflectivity of phase-conjugated signal through intracavity degenerate four-wave mixing 1-28769
- Agrawal, G.P., Lax, M. Analytic evaluation of interference effects on laser output in a Fabry-Perot resonator 1-33248
- Agrawal, G.P. *see* Aubourg, P. 1-51522
- Agrawal, J.P. *see* Mehendru, P.C. 1-32894
- Agrawal, J.P. *see* Townes, A.A. 1-29132
- Agrawal, P. *see* Agrawal, V.D. 1-46239
- Agrawal, P.K., Anderson, M.S., Card, M.F. Preliminary design of large reflectors with flat facets 1-47075
- Agrawal, R.K. *see* Murari, K. 1-39507
- Agrawal, V.D., Seth, S.C., Agrawal, P. LSI product quality and fault coverage 1-46239
- Agrawal, V.K. *see* Kothari, P.C. 1-34368
- Agu, M. A correlation method for the determination of the dyadic Green's function of the electromagnetic field in diffraction problem 1-28870

- Agu, M. An estimation theory of physical variable in noisy observation process 1-51764
- Agui, T., Arai, Y., Nakajima, M. An algebraic description of pixel chain and code of binary figures 1-51836
- Agui, T. *see* Kimura, S. 1-41927
- Agui, T. *see* Nagahashi, H. 1-41823
- Agui, T. *see* Nakajima, M. 1-33494
- Aguilera, R.A. Advanced IR imaging seeker program 1-42551
- Agunwamba, C.C. Decision theory and expected probability distribution 1-44816
- Agusti, R., Casadevall, F., Junyent, G. Digital transmission over optical fibres 1-47089
- Ahamed, S.V., Bohn, P.P., Gottfried, N.L. A tutorial on digital transmission in the loop plant 1-29591
- Aharonian, G., Hyman, L.G., Roberts, L. Behaviour of power leads for superconducting magnets 1-33010
- Ahlbom, G., Bubenko, J.A., Sr. Interactive computer graphic systems in the planning of municipal supply systems 1-49021
- Ahlbom, L. Gunnar *see* Gunnar Ahlbom, L.
- Ahlstrom, H.G. Laser fusion experiments, facilities, and diagnostics at Lawrence Livermore National Laboratory 1-41171
- Ahlswede, R., Csiszar, I. To get a bit of information may be as hard as to get full information 1-33546
- Ahlswede, R., Csiszar, I. To get a bit of information may be as hard as to get full information 1-51756
- Ahlswede, R., Dueck, G. The best known codes are highly probable and can be produced by a few permutations 1-37428
- Ahlswede, R. *see* Han, T.S. 1-33496
- Ahm, P. *see* Mortensen, B. 1-42034
- Ahmad, I. *see* Khan, H.A. 1-48632
- Ahmad, M. *see* Waheed, A. 1-38428
- Ahmad, M.O., Murthy, K.V.V., Ramachandran, V. Some classes of doubly-terminated two-variable lossless ladder networks 1-50382
- Ahmad, R. *see* Jamil, K. 1-48641
- Ahmad, S. A fast method of calculating avalanche breakdown voltage of semiconductor p-n junction [Si step junction] 1-27854
- Ahmad, S., Singh, R. A simple method of analysing distributed RC notch-filters 1-27229
- Ahmad, S.U. *see* Kohli, D.R. 1-44401
- Ahmedi, H., Stern, T.E. A new satellite multiple access technique for packet switching using combined fixed and demand assignments 1-29713
- Ahmedi, M., Ramachandran, V. A method for the design of stable (N-D) analog and digital filters 1-40086
- Ahmed, A. VLSI-new processes 1-32859
- Ahmed, A. VLSI-scaling down 1-32885
- Ahmed, F.I., Abo-Shady, S.E., Ali, K.F. Synchronization of reluctance motors 1-35152
- Ahmed, F.I., Abo-Shady, S.E., Ali, K.F. Synchronization of reluctance motors 1-38968
- Ahmed, H.M., Ang, P.H., Morf, M. A VLSI speech analysis chip set utilizing co-ordinate rotation arithmetic 1-47161
- Ahmed, H.M., Morf, M., Lee, D.T., Ang, P.H. A VLSI speech analysis chip set based on square-root normalized ladder forms 1-41565
- Ahmed, K.U. Two-port subnetworks of exponential distributed parameter Z-Y-KZ and Y-Z-KY micro-circuits with similar transfer functions 1-36056
- Ahmed, K.U. A new band-reject filter configuration of three-layer thin-film exponential R-C-KR micro-system 1-36236
- Ahmed, K.U., Singh, H.R. Characteristics of some sub-networks of four-terminal distributed parameter networks 1-39869
- Ahmed, M.K., Beneking, H. Interface effects on noise temperature of ungated GaAs-MESFETs 1-28043
- Ahmed, M.T. *see* Rehman, M. 1-48141
- Ahmed, N., Elliott, G. On using an adaptive algorithm for intrusion detection 1-37557
- Ahmed, N. *see* Parikh, D.D. 1-37550
- Ahmed, N. *see* Scarborough, K. 1-42298
- Ahmed, N. *see* Scarborough, K. 1-41663
- Ahmed, N. *see* Soltan, D.L. 1-36275
- Ahmed, N. *see* Youn, D.H. 1-41777
- Ahn, B.H. Solution of nonsymmetric linear complementarity problems by iterative methods 1-35888
- Ahn, K.Y., Gangulee, A. Control of garnet film properties 1-28233
- Ahn, S. *see* Choe, J.Y. 1-45862, 1-50720
- Ahokas, K., Varpela, P. Reliability data from field 1-39467
- Ahrenkiel, R.K., Anderson, G., Dunlavy, D., Maggioro, C., Hammond, R.B., Stotlar, S. Laser annealing of native oxides on GaAs 1-32756
- Ahrens, J.H. A conjecture of E.D. Bolker 1-50201
- Ahrens, P., Skoge, K., Vetter, D., Stork, J. Speech chip timeshares a 2-pole section to create a 12-pole filter 1-29123
- Ahrens, P. *see* Vetter, D. 1-37475
- Ahrens, P.R. *see* Vietor, G.C. 1-49618
- Ahuja, B.K., Dwarakanth, M.R., Seidel, T.E., Marsh, D.G. A single-chip CMOS PCM CODEC with filters 1-33871
- Ahuja, B.K. *see* Marsh, D.G. 1-52006
- Ahuja, K.K., Tanna, H.K., Tester, B.J. An experimental study of transmission, reflection and scattering of sound in a free jet flight simulation facility and comparison with theory 1-43401
- Ahuja, N. *see* Kashyap, R.L. 1-44817
- Ai, B., Destruel, B., Farzaneh, M., The Giam, H. Pressure and temperature dependence of the dielectric properties of polyethylene used in submarine telecommunication cables 1-28176
- Ai, B. *see* Moret, B. 1-28026
- Aiache, L. *see* David, J.P. 1-53641
- Aiba, S. *see* Kai, K. 1-29825
- Aiba, S. *see* Nakajima, H. 1-47754
- Aicardi, J.P. *see* Carlos, H. 1-45937
- Aicardi, J.P. *see* Leyris, J.P. 1-46614
- Aichholzer, G. *see* Hammerl, M. 1-49465
- Aida, F. *see* Morita, M. 1-28185
- Aida, T., Honda, Y., Yamamoto, S., Kawabe, U. Preparation, vapor pressure, and thermionic emission properties of BaB<sub>6</sub> powder 1-35982
- Aidala, V.J. *see* Nardone, S.C. 1-33996
- Aidarov, F.A., Zadorozhnyi, V.I. On the operating settings of a current protection device with the RTZ-50 relay 1-49175
- Aiga, M., Higaki, Y., Kato, M., Yukimoto, Y. Gain improvement by self-neutralization of microwave SIT 1-46157
- Aihara, H., Fujii, H., Kamae, T., Nakamura, K., Sumiyoshi, T. A scintillation counter used in a vacuum chamber for a liquid hydrogen target 1-43211
- Aihara, K., Fujii, N. Design of the multi-microprocessor controlled terminal supervisor 1-29431
- Aihara, K., Kawashima, M. Design method for digital routing equipment 1-29534
- Aikawa, M. *see* Ogawa, H. 1-40226
- Ailleret, P. Safety and standization 1-49970
- Aimi, B.R. Semiconductor pad terminal metallurgy 1-45829
- Aimo, G., Buja, G. Dynamical analysis of synchronous motor drive with current-source inverter 1-53717
- Ainhorn, M. *see* Weiser, K. 1-46609
- Ainscow, F. Two-channel vertical deflection amplifier 1-50434
- Ainslie, B.J., Beales, K.J., Day, C.R., Rush, J.D. Design and fabrication of monomode fibers for long-wavelength operation 1-36904
- Ainsworth, G.L. A switching power supply for a low-noise signal generator 1-27257
- Aires, C. Phase sensitive detector with easily variable gain 1-45571
- Aires, C. A new method of implementing current foldback in power supplies 1-50403
- Aita, C.R. Sputter deposition of ZnO thin films using glow discharge mass spectrometry 1-39819
- Aita, R. *see* Avery, R. 1-42826
- Aitakangas, O. *see* Lehto, S. 1-41361
- Aitchison, J.M. The effect of surface recombination on PIN diodes 1-46105
- Aitken, A. *see* Groves, C. 1-40722
- Aitken, K.L. *see* Prewett, P.D. 1-50308
- Aitken, T.W. Initial commissioning progress on the Daresbury 30 MV tandem 1-43123
- Aiura, T. *see* Saegusa, T. 1-39991
- Aiya, S.V.C. The rural telecommunication problem 1-47541
- Aiya, T. *see* Wada, H. 1-41516
- Aiyoshi, T. *see* Yanabu, S. 1-39098, 1-44273
- Aizaki, N. *see* Shiraki, H. 1-40492
- Aizawa, M., Nagao, M., Watase, K. Direct-fired absorption chiller-heater 1-49814
- Aizawa, M. *see* Shirakawa, H. 1-49650
- Aizen, Kh.K. *see* Ovchar, V.G. 1-31030
- Aizenshtat, G.I., Dontsov, V.N. Picosecond pulse shaper using a Gunn diode 1-50475
- Ajayi, G.O. *see* Kapungu, G.P. 1-43438
- Ajiki, H. *see* Kawamoto, H. 1-38937
- Ajiro, K. *see* Ueda, T. 1-31204
- Ajmera, R.C. *see* Debnath, N.C. 1-41286
- Ajmone Marsan, M., Benedetto, S., Del Corso, D. A high speed microprocessor implemented modem 1-29507
- Ajtai, M., Komlos, J., Szemerédi, E. The longest path in a random graph 1-39567
- Akada, K. *see* Momose, T. 1-36854
- Akagi, S. *see* Yamakawa, I. 1-28859
- Akaike, H. *see* Nakamura, H. 1-30952
- Akaike, M. *see* Hagihara, E. 1-27597
- Akaiwa, Y., Takase, I. Performance of baseband-limited multilevel FM with discriminator detection for digital mobile telephony 1-47564
- Akama, K. *see* Ichikawa, A. 1-50128
- Akamatsu, B., Henoc, J., Henoc, P. Origin of the induced current in III-V semiconductors in scanning electron microscopy 1-36479
- Akamatsu, N., Yoshinari, S. A high-speed I<sup>2</sup>L circuit with negative resistance 1-40063
- Akamatsu, N., Yoshinari, S. A compact and accurate large-signal model of transistors for computer-aided circuit analysis 1-46121
- Akamatsu, T. *see* Tsukamoto, M. 1-36901, 1-36935
- Akao, H. *see* Kitao, M. 1-32661
- Akao, Y. *see* Miyazaki, Y. 1-40978
- Akarashvili, P.V. *see* Bandzeladze, A.E. 1-34316
- Akasaka, Y., Nishimura, T. CW laser annealing of ion implanted or doped polycrystalline silicon 1-46062
- Akasaka, Y. *see* Hirao, T. 1-45396
- Akashi, F. *see* Rurya, Y. 1-47093
- Akasofu, S.-I. *see* Aspnas, J. 1-39027
- Akasofu, S.-I. *see* Aspnas, J.D. 1-39038
- Akatsuka, M. *see* Uchida, T. 1-40976
- Akatsuka, T., Kubo, T., Takatani, O. An interactive system for quantitative reading of biomedical images 1-30433
- Akazaki, M. *see* Hara, M. 1-49142
- Akazaki, M. *see* Okada, T. 1-46772
- Akbaba, M., Flynn, F.P. Asymmetrical short circuits on 3-phase induction motors 1-53448
- Akber, R.A. *see* Jamil, K. 1-48641
- Akcasu, A.Z. *see* Lee, J.C. 1-53195
- Ake Oberg, P. *see* Ask, P. 1-43272
- Akerlund, J.O. Tele-X—an all Swedish satellite 1-37870
- Akerlund, J.-O. 170 new engineers every year 1-35572
- Akerlund, J.-O. Fiber optic links: interference free communication with manageable cables 1-47671
- Akers, F.I. *see* Thompson, R.E. 1-36910
- Akers, L.A. An analytical expression for the threshold voltage of a small geometry MOSFET 1-40608
- Akers, S.B. On the use of the linear assignment algorithm in module placement [printed circuits] 1-45771
- Akesson, B., Larsson, L.R., Flodberg, P.-G. Teletext—a new telematic service 1-47372
- Akesson, T. *see* Cockerill, D. 1-43233
- Akeyama, A., Suzuki, T., Hanazawa, T. Mobile radio telephone system for express highways 1-29371
- Akul, M. *see* Maurras, J.F. 1-44989
- Akun, M.B. *see* Hillman, B.D. 1-33784
- Akhmadov, A.A.-B., Samokhvalenko, A.S. Non-linearity errors of measuring-scale transducer phase-frequency characteristics 1-48058
- Akhmanav, V.B., Medvedev, Yu.V., Petrov, A.S. Measurement of electrophysical parameters of semiconductor plates by the resonator method 1-34357
- Akhmatov, M.G. Excitation control of longitudinally-transversely excited motors at constant angle of lag of the rotor 1-31207
- Akhmedov, D., Bezhn, N.P., Bert, N.A., Konnikov, S.G., Kuchinskii, V.I., Mishurnyi, V.A., Portnoi, E.L. Effect of internal strain on the polarization of the emission in InP-InGaAsP heterojunction laser structures 1-28730
- Akhmedov, D., Bezhn, N.P., Kuchinskii, V.I., Mishurnyi, V.A., Portnoi, E.L., Russu, E.V., Smirnitkii, V.B. InGaAsP-InP heterojunction laser with corrugated waveguide laser 1-28731
- Akhmedov, R. *see* Azimov, S.A. 1-53617
- Akhmedov, Z.G. *see* Bagirov, M.A. 1-32898
- Akhmedzhanov, I.M., Bozhevol'nyi, S.I., Zolotov, E.M., Shcherbakov, A.A. Thin-film Bragg modulator with variable period 1-40968
- Akhmetov, V.D., Bolotov, V.V., Dvurechensky, A.V., Kashnikov, B.P., Smirnov, L.S., Tishkovsky, E.G. Accumulation of defects in silicon at superhigh doses of electron irradiation 1-27790
- Akhromenko, G.E., Dubilovich, V.M., Krasnovskaya, O.A., Ped'ko, V.A., Polunin, A.V., Shapovalova, N.A. On automatic control of high-power solar electric station heliostat field 1-49346
- Akhtar, M. *see* Gau, S. 1-45110
- Akhtyrskii, V.V., Bazyk, A.I., Sushko, B.I., Tuzovskii, A.M., Shepel', L.G. Solar cell based on GaAs annealed in Al solution 1-31442
- Akiba, M. *see* Akiyama, N. 1-50866
- Akiba, S., Williams, G.E., Haus, H.A. High rate pulse generation from InGaAsP laser in self-coupled external resonator 1-46733
- Akiba, S. *see* Noda, Y. 1-41096
- Akiba, S. *see* Sakai, K. 1-41093
- Akihama, R. *see* Murphy, R.J. 1-28299
- Akimaru, H., Takahashi, H., Abe, S. Optimum installation of high usage rotor 1-47319
- Akimaru, H., Tokushima, H., Nishimura, T. Optimum design of alternative routing systems [telephone traffic] 1-47266
- Akimaru, H., Tokushima, H., Nishimura, T. Optimum design of alternative routing systems 1-51903
- Akimchenko, I.P., Vavilov, V.S., Dymova, N.N., Krasnopetsev, V.V., Rodina, A.A., Utkin-Edin, D.P. Suppression of the Staebler-Wronski effect in amorphous hydrogenated Si during ion implantation of Ga and As 1-40427
- Akimoto, M. *see* Kawasaki, Y. 1-38763
- Akimoto, T., Murai, I., Nakata, M., Ogawa, Y. A correction formula for the counting loss in using a time to pulse height converter and experimental verification of the formula 1-43260

- Akimoto, Y., Matsuda, T., Matsuzawa, K., Yamaura, M., Kondow, R., Matsushima, T. Microprocessor based digital relays application in TEPCO 1-43787
- Akimoto, Y. *see* Matsumoto, M. 1-34162
- Akimov, A.A. *see* Sushko, A.F. 1-32366
- Akimov, E.G. *see* Taev, I.S. 1-35276
- Akimov, V.P. *see* Adel'son-Vel'skii, G.M. 1-35721
- Akita, K. *see* Nakajima, K. 1-45085
- Akita, K. *see* Yamaguchi, A. 1-45975
- Akiya, H., Saito, K., Kobayashi, K. Sodium contamination in SiO<sub>2</sub> films induced by plasma ashing 1-27952
- Akiya, M., Ohwada, K., Nakashima, S. High-voltage buried-channel MOS fabricated by oxygen implantation into silicon 1-51016
- Akiyama, H. *see* Saitoh, K. 1-37994
- Akiyama, I. *see* Tanigawa, H. 1-28132
- Akiyama, J., Boesch, F., Era, H., Harary, F., Tindall, R. The cohesiveness of a point of a graph 1-31984
- Akiyama, J., Exoo, G., Harary, F. Covering and packing in graphs. IV. Linear arboricity 1-35816
- Akiyama, K. *see* Saito, T. 1-32085
- Akiyama, M., Kawakami, Y., Kaminishi, K. An 800 MHz adjustment-free multi-stage MIC power amplifier 1-45310
- Akiyama, M., Tanaka, Y., Yamashita, M., Iio, M. Hierarchical structure of telecommunication network with independent transversal trunks 1-51921
- Akiyama, M. *see* Kitayama, K. 1-36871
- Akiyama, M. *see* Ohdomari, I. 1-46051
- Akiyama, M. *see* Tanaka, Y. 1-41847
- Akiyama, M. *see* Yamashita, M. 1-41877
- Akiyama, N., Oshima, Y., Koizumi, M., Akiba, M., Nagatomo, H. Automatic inspection of foreign particles on patterned sample by means of polarized laser 1-50866
- Akiyama, N. *see* Hara, Y. 1-28080
- Akiyama, N. *see* Koizumi, M. 1-50990
- Akiyama, S., Sekiya, K., Takahashi, M., Saito, Y. Noise suppression methods in interface circuits for on-line data acquisition of biological data 1-43287
- Akiyama, S. *see* Hongo, K. 1-37851
- Akiyama, T. *see* Sakurai, Y. 1-43278
- Akiyama, Y. Helium turbo-expander with an alternator—large helium refrigerator-liquefier system 1-53589
- Akselrod, B. *see* Axelrod, J. 1-52477
- Akselsson, K.R. PIXE in 1980: summary of the second international conference on particle induced X-ray emission and its analytical applications 1-38600
- Aksenov, V.N. The level of rectifier subharmonics in radio broadcast transmitters 1-37999
- Aksentov, L.B. Certain aspects of design of electrical supply networks for industrial plants 1-49083
- Akurgal, A.S., Celebi, Y. A 8448 kbit/s second order PCM multiplexer 1-42039
- Akutagawa, T. *see* Nashimoto, Y. 1-27889
- Akutsu, H., Nakagawa, Y. Scanning in a DC plasma panel 1-45882
- Akutu, K. *see* Satou, M. 1-29939
- Al Esser Modular ATE system architecture—standard capability serves the custom environment 1-38106
- Al Mass'ari, M.A. *see* Abou-Elfotouh, F.A. 1-53652
- Al-Abadi, H.J. *see* McLean, G.W. 1-53712
- Al-Abuky, A.H. A sequence generator for variable reluctance stepper motor test rig 1-49524
- Al-Ani Haifa *see* Haifa Al-Ani
- Al-Araji, S.R. *see* Allos, J.E. 1-40157, 1-50467
- Al-Bayaty, A.Y.E. *see* Mohan, C. 1-35834
- Al-Charchafchi, S.H. A synchronized frequency multiplier for square waves 1-36309
- Al-Haddad, I.K., Chettle, D.R., Fletcher, J.G., Fremlin, J.H. A transportable system for measurement of kidney cadmium in vivo 1-30409
- Al-Hussaini, E.K., Al-Hussaini, E.K. Performance of a mean level detector processing M-correlated sweeps 1-47702
- Al-Hussaini, E.K. *see* Al-Hussaini, E.K. 1-47702
- Al-Jaff, A. *see* Halsal, F. 1-29439
- Al-Kabbani, A.S.S. *see* Bowron, P. 1-36242
- Al-Khatib, H.H., Fielding, J. Millimeter-wave backscatter of transmission cables 1-52132
- Al-Musawi, M.J. *see* Gupta, S.D. 1-39454
- Al-Najjar, A.R. *see* Massara, R.E. 1-45486
- Al-Nimma, D.A.B., Williams, S. Computation of inverter-induction motor drives using a tensor technique 1-53707
- Al-Rawi, K.M. *see* Melville, D. 1-28858
- Al-Rikabi Ja'Far *see* Ja'Far Al-Rikabi
- Alam, M. Quantitative reliability evaluation of automatic protective equipment used for nuclear reactors 1-35012
- Alam, M. *see* Ehrlich, R. 1-34428
- Alam, M.I., Nair, N.R. R and D on magnetic materials: present status and future thrust area 1-51082
- Alameddine, A.F. On the number of cycles of length 4 in a maximal planar graph 1-39588
- Alamo, J. *del see* Del Alamo, J.
- Alamo, J. *del see* Del Alamo, J.
- Alard, J.P., Augerat, J., Babinet, R., Brochard, F., Cassagnou, Y., Costilhes, J.P., Drouet, M., Frayssé, L., Girard, J., Gorodetzky, P., Gosset, J., Julien, J., Laspalles, C., Legrain, R., L'Hôte, D., Lucas, B., Mallet, M.-C., Papineau, A., Parizet, M.J., Poitou, J., Racca, C., Suffert, M., Tamain, J.C., Terrien, Y. DIOGENE, a 4 $\pi$ -detector for the physics of heavy ions at the SATURNE laboratory 1-52717
- Alasaarela, E. *see* Tervola, K. 1-28815
- Alba, D. *see* Jacquet, C.A. 1-44105
- Alba-Flores, R. *see* Sanchez-Sinencio, E. 1-45284
- Albach, M., Hannakam, L. Analytical determination of the inductances of a three phase machine with open slots 1-44031
- Albanes, W., Polge, R., Belote, J. A solution to the general guidance error problem using an adaptive filter as a trajectory predictor 1-43397
- Albani, O.J. *see* Pflanz, H.M. 1-43796
- Albella, J.M., Fernandez-Navarrete, L., Martinez-Duart, J.M. Electrical properties of pyrolytic MnO<sub>2</sub> layers 1-40247
- Albella, J.M., Montero, I., Baonza, J., Martinez-Duart, J.M. Pulse counting in anodic breakdown measurements 1-28150
- Alberhseim, W.J. A closed-form approximation to Robertson's detection characteristics 1-41681
- Albers, J.W. *see* Richfield, E.K. 1-43335
- Albers, R. *see* Kokkonen, K. 1-32305
- Albers, W. *see* van Hoof, L.A.H. 1-50815
- Albert, A., Anderson, J.A. Probit and logistic discriminant functions 1-44771
- Albert, D., Fahrman, K., Lehmann, E., Seifert, E. Investigation of a moderated Sb-Be-photon-neutron source and its application to the determination of the neutron importance function 1-48543
- Albert, P.A., Beardsley, I.A., Grandia, J. Method of forming a probe-type head for vertical recording 1-46409
- Albert, P.A., Cockerill, J., Grandia, J. Flexible, multi-motion planetary system for vacuum deposition 1-39813
- Albertinetti, N.P. *see* Everson, J.H. 1-36994
- Albertson, V.D. *see* Kappenman, J.G. 1-30813, 1-34948
- Alberty, M. *see* Ohm, G. 1-36155, 1-47658
- Albery, W.B., LaRussa, J.A. Optical infinity lens developments for flight simulator visual displays 1-30500
- Albing, B. LED VU meter for your hi-fi 1-52514
- Albrecht, A. *see* Winter, G. 1-34895
- Albrecht, G., Richter, J., Haberkorn, W. Measuring techniques using low-temperature effects 1-34259
- Albrecht, G.F., Mourou, G. A long-pulse/short-pulse synchronization scheme using a regenerative amplifier and high-voltage semiconductor switching 1-51417
- Albrecht, H. Determination of effective nitrogen concentration in Ga(As,P):N light emitting diodes from photocurrent measurements 1-28589
- Albrecht, H.J., Scheel, W. Investigations of the binding characteristics of wrapped joints using aluminium conductors. II 1-32428
- Albrecht, H.R., Winick, R.M. Technique for managing communications errors in an interactive flow 1-51780
- Albrecht, M., Koop, P., Marriage, A.J. A device for travel time monitoring 1-42563
- Albrecht, W., Baack, C., Elze, G., Enning, B., Heydt, G., Peters, K., Wolf, G., Wenke, G. 2.24 Gbit/s optical transmission system at 0.85  $\mu$ m wavelength 1-52106
- Albrow, M.G. *see* Cockerill, D. 1-43233
- Albrow, R. 2-head auto-test system takes on complex VLSI 1-29972
- Albrow, R.C. A new generation of semiconductor component testers 1-47914
- Albuquerque, A.A. *de see* de Albuquerque, A.A.
- Albuquerque, J.P. *de Almeida e see* de Almeida e Albuquerque, J.P.
- Albuey, F., Skiles, J.J. A transmission network planning method for comparative studies 1-38699
- Albuey, F., Skiles, J.J. A transmission network planning method for comparative studies 1-43610
- Albuey, F. *see* Pang, C.K. 1-30619, 1-34806
- Albuey, F. *see* Waigh, J.G. 1-43612
- Alcaim, A., Turner, L.F. New approaches to the Hadamard transform coding of speech 1-51809
- Alcock, A.J. *see* Cassard, P. 1-33196
- Alcock, A.J. *see* Taylor, R.S. 1-51391
- Alcorn, J. *see* Baker, C.C. 1-35016
- Alcorn, J. *see* Hoffmann, E. 1-28375
- Alcorn, J.S., Purcell, J.R., Chen, W.Y., Hsu, Y.-H. Status of the GA/MCA 12 tesla coil development program 1-28383
- Alcorn, J.S. *see* Hsu, Y.-H. 1-28379, 1-28386
- Alder, C.J., Cattell, A.F., Dexter, K.F., Dixon, M., Kirtin, J., Skolnick, M.S. An investigation of the electrical and optical properties of DC electroluminescent ZnS:Mn, Cu-powder panels 1-41021
- Alder, C.J., Fray, A.F., Hilsum, C., Lloyd, P. A composite ZnS thin film powder electroluminescent panel 1-52524
- Aldersley, P.R. A CCTV infrared microscope for evaluating die attach bonds 1-26919
- Alderson, W.E. *see* Hill, J.J. 1-47890
- Aldissi, M. *see* Beniere, F. 1-45958
- Aldrich, J.F. *see* Johnson, A. 1-34763
- Aldrich, J.F. *see* Johnson, W.A. 1-30625
- Aldrich, R.E. *see* Everson, J.H. 1-36994
- Aldridge, E.E., Clare, A.B. Ultrasonic holography for the inspection of thick steel specimens 1-39837
- Aldworth, D.R. The effects of manufacturing techniques on motor efficiency 1-53433
- Alefeld, G. Bounding the slope of polynomial operators and some applications 1-27062
- Alegria Feio, M., Policarpo, A.J.P.L. The position linearity of photo-ionization detectors 1-48090
- Alegria Feio, M., Policarpo, A.J.P.L. Position and energy resolution of the photo-ionization proportional scintillation (PIPS) chamber 1-52673
- Aleikin, V.V., Berlyand, V.A., Generalova, V.V., Tikhonov, E.G. Determining the energy spectrum of the gamma radiation from a working standard for the units of power absorbed dose of photon radiation 1-48670
- Alekperov, S.A., Kadzhar, Ch.O., Kuliev, V.A., Salaev, E.Yu. The investigation of 1/f noises spectra of Cd<sub>2</sub>Hg<sub>1-x</sub>Te monocrystal 1-32636
- Aleksakov, G.N., Terekhov, G.P. 'Poleskop' physical-field indicator 1-35017
- Aleksan, R., Bouchez, J., Cozzika, G., Ducros, Y., Durand, A., Francinet, G., Gaidot, A., Heitzmann, J., Martin, H., Maillat, J.C., Patoux, A., Pierre, F., Pamela, J., Pansart, J.P., Raoul, J.C., Rousse, B., Souhere, G. Large proportional chambers for muon detection in the CELLO experiment at PETRA 1-48582
- Aleksan, R. *see* Behrend, H.-J. 1-43229
- Aleksandrov, A.A., Gatsenko, L.S., Kirsanova, I.V., Lyapidevskii, V.K., Fedoseeva, O.P. Characteristics of composite detectors based on semiconducting detectors plus CsI(Tl) 1-30319
- Aleksandrov, A.F., Savichev, A.I., Surov, O.I., Timofeev, I.B., Emil', A.R. High-current coaxial discharge in air stabilized by a dielectric wall 1-45849
- Aleksandrov, A.L. *see* Armand, N.A. 1-43441
- Aleksandrov, B.M., Zharekhov, V.G., Lashaev, S.I., Nikolaev, V.A., Solov'ev, S.M., Soloshenkov, P.S., Sevast'yanov, V.D. Efficiency of registering fission fragments with a solid-state track detector based on mica 1-43257
- Aleksandrov, E.M., Kiseleva, L.S., Kulikova, K.F., Mikheev, V.N. Synthesis and properties of salts of alkaline earth metals for porous metal cathodes 1-27187
- Aleksandrov, G.N., Ivanov, V.L., Kadzov, G.D., Parfenov, V.A., Pakhomov, L.N., Petrun'kin, V.Yu., Podlevskii, V.A., Seleznev, Yu.G. Scope for more effective lightning rod protection by laser spark 1-30805
- Aleksandrov, G.N., Polevoi, A.I., Polevoi, I.F. Motion of overhead line bundle conductors during short circuits 1-43721
- Aleksandrov, I.V., Bukhtiarova, T.V., Vikulov, S.P., Vystavkin, A.N., Syachenko, A.A., Mikilev, A.I., Milyavskii, Yu.S., Mutnykh, A.E., Romanovtsev, V.V., Sokolov, A.V., Shushpanov, O.E. An automatic system for measuring optical fiber parameters during drawing 1-28475
- Aleksandrov, I.V. *see* Nesterova, Z.V. 1-28786
- Aleksandrov, K.S. *see* Torfimov, A.I. 1-38171
- Aleksandrov, O.V., Gorina, Yu.I., Kiseleva, K.V. Low-temperature lattice instability in the PbTe-SnTe system 1-50808
- Aleksandrova, A.A., Khizhnyak, N.A. Scattering of electromagnetic waves on a dielectric wedge 1-37303
- Aleksanyan, A.A., Galakhov, V.A., Utkin, M.A., Plyusnin, V.N. Effect of the inertial properties of transistors on distortions in audio-frequency switching amplifiers 1-42489
- Aleksanyan, A.G., Belenov, E.M., Kompanets, I.N., Poluektov, I.A., Popov, Yu.M., Sovolev, A.G., Uskov, A.V., Tsukanov, V.G. Negative resistance at metal-barrier-metal-barrier-metal junctions 1-50848
- Alekseenko, V.V. *see* Zuevich, A.V. 1-34733
- Alekseev, A.G. *see* Zenin, E.I. 1-36020
- Alekseev, A.V., Baldin, B.Yu., Bitukov, S.I., Bushnin, Yu.B., Glebov, V.Yu., Dunaitsev, A.F., Konoplyannikov, A.K., Kryshkin, V.I., Kul'man, N.Yu., Lanshchikov, G.I., Mlyaitin, V.K., Rybakov, V.G., Sulyaev, R.M., Sytin, A.N., Turchanovich, L.K. System of drift chambers of FODS spectrometer 1-52742
- Alekseev, E.L., Pendik, V.M. Group decoupler for multichannel data-acquisition systems 1-48010

- Alekseev, G.A., Klepikov, R.P., Otto, M.Sh. Study of the possibility of increasing the precision of electrochemical machining by short pulses of current 1-44540
- Alekseev, G.D., Kalinina, N.A., Karpukhin, V.V., Kruglov, V.V., Khazins, D.M. Effect of radiation load on operation of proportional chamber 1-52706
- Alekseev, G.V., Likhatskii, V.N. Nonuniqueness of the solution of the mixed problem of synthesis of a linear radiator 1-51658
- Alekseev, K.B., Fiskhis, M.M., Fokin, V.V. The adaptive control of a welding robot 1-53834
- Alekseev, N.I., Kuznetsov, V.D. Measuring magnetic susceptibility using superconducting quantum magnetometer 1-42728
- Alekseev, O.G. Choice of optimal multiparameter series 1-50217
- Alekseev, V.G. On estimation of some functionals of spectral density of Gaussian random processes 1-44883
- Alekseev, V.N., Zhilin, A.N., Chernov, V.N. Experimental investigation of saturation of the gain experienced by 1 nsec laser pulses in neodymium glasses 1-51428
- Alekseev, V.N., Zhilin, A.N., Starikov, A.D., Chernov, V.N. Formation of a spatial profile of a beam in a laser amplifier by a system comprising a hard aperture and a spatial filter 1-28764
- Aleksenko, A.G. *see* Spivak, G.V. 1-32680
- Alekseychik, M.I., Kalyuzhnyi, G.V. The theoretical basis and an algorithm for the procedure of relaxation for problems of quasicone programming 1-50229
- Aleksic, Z.J. *see* Rabrenovic, D.M. 1-45167
- Aleksiejuk, M., Dobranski, M.M., Larecki, W. Generation and detection of incoherent hyper-sonic vibrations using superconducting tunnel junctions 1-48909
- Aleksoff, C.C. Synthetic-aperture techniques at near-millimeter wavelengths 1-47995
- Aleksoff, C.C. *see* Cindrich, I. 1-51827
- Aleksova, P.A. *see* Yanachkova, I.M. 1-27188
- Alemanni, M., Strona, P., Zucchini, A. 'GELSO': a 3-D automatic generation programs system 1-39251
- Aleman, C., Holweck, C., Nicolas, J. Use of microprocessors in medium voltage power distribution installations 1-49088
- Alenduff, P.D. *see* Chadwick, J.W., Jr. 1-49195
- Alengrin, G., Favier, G. Stochastic realisation algorithms for the estimation of the steady state gain of a Kalman filter in the case of multi-variable systems 1-37529
- Alent'ev, A.N., Chaikin, A.A. Efficiency of light collection in a large scintillation counter 1-30329
- Alentsev, B.M. Design of measuring laser with normalized energy parameters 1-46764
- Alers, G.A., Zimmerman, R.M. Ultrasonic characterization of the thermal protection tiles for the Space Shuttle 1-38630
- Aleshin, N.N. *see* Shlykov, G.P. 1-40189
- Alesina, A., Venturini, M.G.B. Solid-state power conversion: a Fourier analysis approach to generalized transformer synthesis 1-39061
- Alessi, J., Herscovitch, A., Prelec, K., Sluyters, Th. Development of multiampere negative ion sources 1-43177
- Alesso, H.P. Proven commercial reactor types: an introduction to their principal advantages and disadvantages 1-53201
- Alex, P. *see* Lee, G. 1-30749
- Alex, P. *see* McCourt, J.W. 1-34960
- Alexa, L. *see* Sasek, L. 1-44037
- Alexander, G. *see* Lowe, R.J. 1-53331
- Alexander, L., Kritikos, H. An investigation of the relation between radar images and visible texture 1-29789
- Alexander, P. Fast convolution using modularized multiprocessor architectures 1-47151
- Alexander, P.M. Frequency modulated (FM) and amplitude modulated (AM) in millimeter radar due to vibrating structures 1-47713
- Alexander, R.W. *see* Begley, D.L. 1-32703
- Alexander, W.E. *see* Riley, H.B. 1-41786
- Alexandre, F. *see* Duhamel, N. 1-50275
- Alexandrov, A. Dependence of the inductance leakage of a transformer on its winding currents 1-39020
- Alexandrov, G.N., Polevoi, A.I., Polovoi, I.F. Oscillations of overhead transmission line split-phase conductors under short circuit conditions 1-49127
- Alexe, V. *see* Nguyen Hanh 1-52454
- Alexeev, N.N., Veselov, M.A., Goldin, L.L., Zavodov, V.P., Reabceev, A.S. Experiments on the automatic optimization of injection conditions at the ITEP proton synchrotron 1-48471
- Alexeev, M.P. Oversight of the VVER-440 type nuclear power plant units safety in the Soviet Union 1-30893
- Alexopoulos, N.G., Contoyannis, P.J., Franceschetti, G. Effect of baffles on the mutual admittance between slot antennas 1-51717
- Alexopoulos, N.G., Rana, I.E. Mutual impedance computation between printed dipoles 1-28982
- Alexopoulos, N.G. *see* Rana, I.E. 1-28981
- Alfano, G. *see* Carta, M. 1-39266
- Alferness, R.C., Buhl, L.L. Polarization-independent optical filter using interwaveguide TE $\rightarrow$ TM conversion 1-36918
- Alferness, R.C., Buhl, L.L. Waveguide electrooptic polarization transformer 1-36920
- Alferness, R.C., Buhl, L.L. Waveguide electro-optic polarization transformer 1-36973
- Alferness, R.C., Buhl, L.L. Polarization independent optical filter using interwaveguide TE $\rightarrow$ TM conversion 1-51242
- Alferness, R.C., Economou, N.P., Buhl, L.L. Fast compact optical waveguide switch modulator 1-33077
- Alferness, R.C. *see* Economou, N.P. 1-28529
- Alferov, V.E. On the maintainability of 100 kW induction short-circuited motors 1-31233
- Alferov, Zh.I. Heterostructures in semiconductor electronics 1-50819
- Alfrey, A.J. Flashlamp-pumped dye laser as an undergraduate lab project 1-46701
- Algazi, V.R., Ford, G.E. Quality measures in the processing of high-contrast images 1-37647
- Algazi, V.R., Ford, G.E. Radiometric equalization of nonperiodic striping in satellite data 1-47167
- Algazinov, E.K., Bobreshov, A.M. The noise factor of a receiver in the presence of interference 1-52232
- Algazinov, E.K., Mymrikova, N.N. Theoretical analysis of two-signal interaction in a TWT over a broad frequency band 1-40356
- Alhaider, M.A. *see* Ibrahim, M.M. 1-33974
- Alhaider, M.A. *see* Mansour, M.A.S. 1-35419
- Ali, K.F. *see* Ahmed, F.I. 1-35152, 1-38968
- Ali, K.S. *see* Asaph, *see* Asaph Ali, K.S.
- Ali, S.M. *see* Saleh, M.A. 1-49645, 1-49646
- Ali, Z. *see* Godbole, V. 1-41747
- Ali Avad Makhmud Mustafa *see* Avad Makhmud Mustafa Ali
- Ali Azizi Seyed *see* Seyed Ali Azizi
- Ali Kettani, M. Prospects for photovoltaics in the Arab world 1-53658
- Aliev, A.O., Baukin, I.S., Tagirov, V.I., Gakhramanov, N.F. The temperature dependence of thermopower in single crystals of Sb<sub>2</sub>S<sub>3</sub>-Sb<sub>2</sub>Se<sub>3</sub> solid solutions 1-40433
- Aliev, B.A. *see* Yakubov, S.Ya. 1-35901
- Aliev, F.M., Baushev, V.N., Dul'nev, G.N., Meshkovskii, I.K., Prokhorov, A.M. Optoelectronic cell using thermally controllable light scattering in a heterogeneous porous-glass+liquid-crystal system 1-33093
- Aliev, I.M., Aliev, M.A., Gadzhiev, A.R., Tagiev, B.G., Guseinov, G.M. Impurity photoconductivity stimulated by one carrier injection in p-GaSe 1-33104
- Aliev, M.A. A difference method for solving Trikom-type problems for mixed equations 1-50087
- Aliev, M.A. *see* Aliev, I.M. 1-33104
- Aliev, N.A., Tavie, B.G., Mamedov, G.M. Residual photoconductivity and photomemory in GaSe MSM structures 1-40464
- Aliev, N.A. *see* Bagir-zade, E.F. 1-40990
- Aliev, R.A. Electric drives modelling of mechanisms producing oil by servo system 1-35411
- Aliev, S.A., Kakhramanov, K.Sh., Ismailov, Sh.S. Thermoelectrical properties of alloys in the Sb<sub>2</sub>Te<sub>3</sub>-Bi<sub>2</sub>Te<sub>3</sub> system 1-32667
- Alig, R.C. Kinescope electron gun design 1-27764
- Aligue, F.J.L., Delgado, F.J.C., Conde, P.M.G. Data acquisition system using a digital multimeter and a microprocessor 1-30031
- Alikin, V.I. Statistical analysis of a system for the metrological servicing of measuring devices 1-47866
- Alimov, A.K., Ovechkin, N.F., Mashkeev, A.K., Ten, S.D., Baizhanova, M.M. Installation for heliotherapy for children 1-30472
- Aliphas, A., Peterson, A.M. A reduction on the design of the linear programming problem for the design of frequency sampling filters 1-36270
- Aliphas, A., Peterson, A.M. Narrowband filtering with frequency sampling filters 1-41772
- Alipov, N.V., Shumeiko, N.A. Elemental arrangement algorithm minimizing the maximum length of connections 1-27201
- Alippi, A., Palma, A., Palmieri, L., Socino, G., Verona, E. Phase contrast optical filtering for mapping SAW second harmonic fields 1-32943
- Alishev, Ya.V. Interference immunity of communication systems when transmitting analog signals over an optical channel with pulse polarization modulation and an FM subcarrier 1-42245
- Aliyu, U.O., Suleiman, A.T. Feasibility studies of solar energy potentials for rural electrification in Nigeria 1-49364
- Alkhafaji, S.M. Monte Carlo calculations of a bismuth germanate scintillation detector 1-52687
- Allaart, A.J. Experiments on circuit-breaking. III 1-44254
- Allaire, M.-A. *see* Phan, L.C. 1-38781, 1-43725
- Allaire, R.A. Large area flat panel display structure 1-48177
- Allais, L. Interconnection of solar cells with the power grid using a switching inverter 1-49709
- Allam, E.M., McKean, A.L. Laboratory development of  $\pm 600$  kV DC pipe cable system 1-34888
- Allam, E.M., Sr., McKean, A.L. Laboratory development of  $\pm 600$  kV DC pipe cable system 1-30746
- Allan, A.H., Wood, J.H. Method for measuring the depth of reinforced concrete foundation piles 1-42742
- Allan, C.J., McDonald, A.M., Cuttler, J.M., Erven, J.H. The development and use of a travelling flux detector system for CANDU reactors 1-34456
- Allan, G.R. *see* Davis, B.W. 1-37068
- Allan, J.D. *see* Kang, S.D. 1-27472
- Allan, R. Local-net architecture, protocol issues heating up 1-37740
- Allan, R.N., Leite de Silva, A.M., Burchett, R.C. Evaluation methods and accuracy in probabilistic load flow solutions 1-43633
- Allan, R.N., Rondiris, I.L., Fryer, D.M. An efficient computational technique for evaluating the cut/tie sets and common-cause failures of complex systems 1-39442
- Allard, P.E. *see* Shiva, S.G.S. 1-37419
- Allas, R.G. *see* Treddo, P.A. 1-38416
- Allasia, G., Giordano, C. Representation and valuation of the remainder in the generalised numerical integration formulae 1-35921
- Allay, L. *see* Bosca, G. 1-46360
- Allcock, F., Hall, D.R. An efficient RF excited, waveguide CO<sub>2</sub> laser 1-33182
- Allebach, J.P. Design of sampling patterns for time-sequence sampling of spatio-temporal signals 1-47231
- Allebach, J.P., Ehrenberg, D.G., Stadlin, A.H. Predictive encoding of binary dithered images 1-47254
- Allen, A.J., Ross, D.K. A photographic method for neutron small-angle scattering 1-48667
- Allen, C., Schindler, R.A. Determining image quality from electronic or digital signal characteristics 1-37660
- Allen, D.B. *see* Bro, M.I. 1-32914
- Allen, D.E., Hickernell, F.S. SAW bandpass filter components for microwave systems 1-46377
- Allen, D.H., Haisler, W.E. A theory for analysis of thermoplastic materials 1-39683
- Allen, G.W., Merritt, C.R., Phillips, G.C., Jr., Rivenburgh, D.L., Wu, W.W. Circuit module having substrate with center hole 1-45842
- Allen, H.V., Knutti, J.W. A fully integrated RF actuated battery controller 1-28097
- Allen, H.V. *see* Knutti, J.W. 1-34595
- Allen, J., Penfield, P., Jr. VLSI design automation activities at MIT 1-46204
- Allen, J., Penfield, P., Jr. VLSI design automation activities at MIT 1-50992
- Allen, J.B. *see* Smith, J.O. 1-47096
- Allen, J.H. *see* Edge, E.R. 1-52954
- Allen, K., McKee, S. Fixed step discretisation methods for delay differential equations 1-45055
- Allen, K.C. *see* Rush, C.M. 1-33351
- Allen, K.W. Decay of the nucleon—a geochemical approach based on ultra-sensitive mass spectrometry 1-48664
- Allen, L. *see* Quartey, E.L. 1-31087
- Allen, L.B. *see* Chubb, C.R. 1-28725
- Allen, L.B., Jr., Koenig, H.G., Jr. Double-sided heat sinking for the injection laser diode 1-28723
- Allen, L.B., Jr., Rice, R.R., Koenig, H.G., Meyer, D.D. Linear array configurations and applications of the double-sided heat sink diode 1-28724
- Allen, L.B., Jr. *see* Smith, R.J. 1-28691
- Allen, M.A., Karvonen, L.G., McConnell, R.A., Schwarz, H. Operation of PEP longitudinal feedback system 1-42954
- Allen, P. The selection of batteries for stationary power applications 1-49659
- Allen, P.G. Feasibility of long focal length photography in a Central-European environment 1-48904
- Allen, P.H.G., Szpiro, O., Campero, E. Thermal analysis of power transformer windings 1-31285
- Allen, P.H.G. *see* Cory, B.J. 1-26788
- Allen, P.J., Holt, A.G.J. Implementation of a 2nd-order digital filter using AM2900 bit-slice devices and a fast multiplier 1-45532
- Allen, R. *see* Chicklis, E.P. 1-51406
- Allen, R.C., Brooks, G.A., Chen, H.H. Performance of large digital flash chambers 1-34489
- Allen, R.H. *see* Dickey, F.M. 1-46596
- Allen, R.S. *see* Donatelli, D.E. 1-33354
- Allen, S.J. *see* Iskander, M.F. 1-30481
- Allen, T.H., Ash, G.S. Optical properties of tellurium films used for data recording 1-40881
- Allen, W.E. The Magast power system 1-34671
- Allenstein, B.M., Probert, D.E. A strategic control module for a corporate model of the British Post Office Telecommunications Business 1-26848
- Allesen-Holm, J. Lightning protection of telephone exchange buildings 1-52031
- Alley, G.D. *see* Clifton, B.J. 1-45695
- Alley, L.R. *see* Sherif, Y.S. 1-35697

- Alley, R.E. *see* Schieldge, J.P. 1-48842
- Allgaier, G.R., Stout, C.C.R. Navy command and control (C<sup>2</sup>) using local networks 1-29321
- Allias, P. Cures for instability occurring in the type LM111 comparator with slowly varying input signals 1-27553
- Allias, P. Inexpensive oscilloscopes 1-30185
- Allias, P. Acquisition and processing of data: the preservation of performances of integrated components 1-34222
- Allias, P. Low frequency decoding horizontal sweeping 1-34327
- Allias, P. The microprocessor teaching kit—an essential training aid 1-39312
- Allias, P. True RMS measurements: components and circuits 1-48185
- Allibone, T.E. Power in the year 2000. Some reminiscences and forecasts 1-53152
- Allidina, A.Y., Hughes, F.M. Self tuning control of a nuclear reactor 1-43855
- Allier, M. Technologies for tactical missiles: the European perspective 1-52826
- Alliluev, A.A., Shinkarenko, G.V. A mathematical model of a duplex scheme of DC transformers 1-44148
- Allin, G.W. *see* Abele, R.K. 1-34462
- Alliney, S. Digital reconstruction of images from their projections in polar coordinates 1-37661
- Alliney, S., Bellomo, B.R., Sgallari, F. A problem of connected approximations with the synthesis of nonrecursive digital filters 1-35827
- Allinger, J., Carroll, A., Danby, G., DeVito, B., Jackson, J., Leonhardt, W., Prodell, A., Stoehr, R. Studies of quench propagation in a superconducting window frame magnet 1-43104
- Allinger, J.E., Carroll, A.S., Danby, G.T., DeVito, B., Jackson, J.W., Leonhardt, W.J., Prodell, A.G., Weisenbloom, J. Tests of a 3 meter curved superconducting beam transport dipole magnet 1-43103
- Alliot, J.C., Gall, D. French programme of flight testing on electromagnetic effects of lightning 1-33372
- Allison, A.A. Status report on the P896 backplane bus 1-37733
- Allison, J. *see* Thomas, I.P. 1-35976
- Allison, J. *see* Turner, D.P. 1-45108
- Allison, S. *see* Lim, T.S. 1-42730
- Allmen, M. von *see* von Allmen, M.
- Alloin, G., Hantschel, G. Micro-computer-aided testing and diagnosis of electronic component groups 1-52347
- Allnutt, J.E. The INTELSAT propagation measurements programme 1-47655
- Allos, J.E. Variable phase shift automatic voltage regulator 1-27286
- Allos, J.E., Al-Araji, S.R. Wide-band phase-shift network technique using field-effect transistors 1-40157
- Allos, J.E., Al-Araji, S.R., Ezzet, E.H. Pseudo-linear operation of second-order phase-locked loops 1-50467
- Alfred, W.P., Burns, J.W., Hunter, W.L. Synthesis of indium phosphide in a pressure balanced system 1-39756
- Allsop, B.E. *see* Davis, A.W. 1-42272
- Allsop, B.E. *see* Powell, W.H. 1-42263
- Allsop, B.E. *see* Radley, P.E. 1-42252
- Allwood, A.R., Hill, T.J. Built-in test features of a small telephone exchange 1-39395
- Alm, R.W. Harmonic mixers elevate spectrum analysis to EHF 1-48020
- Almasi, G.S. Reflecting/thermal layer for magnetic bubble devices 1-40839
- Almeida, S. *see* Cockerill, D. 1-43233
- Almeida, A. Traca de *see* Traca de Almeida, A.
- Almeida, L.B., Tribollet, J.M. A model for short-time phase prediction of speech 1-37463
- Almeida e Albuquerque, J.P. de *see* de Almeida e Albuquerque, J.P.
- Almond, J. Commercial communication satellite systems in Canada 1-29679
- Almond, P.R. Considerations in the selection of a radiotherapy accelerator 1-38528
- Almqvist, F.A., Parsapour, H.B. Spring-clip mounted extruded aluminium heat sink 1-44710
- Almstrom, C., Anani, A., Herberts, P., Korner, L. Electrical stimulation and myoelectric control. A theoretical and applied study relevant to prosthetic sensory feedback 1-52809
- Almy, P.M., Rivero, J.L. Using error latch trace to obtain diagnostic information 1-45422
- Aloisi, P. Darlington transistors in three-phase network 1-46110
- Alonso, A. Safety of nuclear power stations, their social acceptability and the role of the administration in Spain 1-34990
- Alonso, J. *see* Lothrop, F. 1-48275
- Alonso, J.A. *see* Solis Camba, A. 1-53851
- Alonso, J.R., Criswell, T.L., Howard, J., Chu, W.T., Singh, R.P., Geller, D., Nyman, M. Operations experience at the Bevalac radiotherapy facility 1-48748
- Alonso, J.R. *see* Chu, W.T. 1-43371
- Alonso, J.R. *see* Wada, R. 1-42942
- Alpen, U. von *see* von Alpen, U.
- Al'perovich, V.L., Belinicher, V.I., Novikov, V.N., Terekhov, A.S. Surface photogalvanic effect in solids. Theory and experiments for interband transitions in gallium arsenide 1-46627
- Al'perovich, V.L., Kravchenko, A.F., Pakhanov, N.A., Terekhov, A.S. Influence of an oscillatory Dember EMF on the photo-EMF spectra of gallium arsenide 1-32705
- Alperovich, V.L., Kravchenko, A.F., Pakhanov, N.A., Terekhov, A.S. Effect of electron heating by surface electric fields on oscillating photoresponse spectra of gallium arsenide-metal structures 1-45999
- Alpers, W., Schroter, J., Schlude, F., Muller, H.-J., Koltermann, K.P. Ocean surface current measurements by an L band two-frequency microwave scatterometer 1-30557
- Alpers, W.R., Rufenach, C.L. Image contrast enhancement by applying focus adjustment in synthetic aperture radar imagery of moving ocean waves 1-30558
- Alpers, W.R. *see* Rufenach, C.L. 1-43445
- Alpert, N. *see* Correia, J.A. 1-34573
- Alsaka, Y.A. MICROFIT: microcomputer based gate level logic simulator 1-40068
- Al'shuler, E.B. *see* Men'shov, B.G. 1-34931
- Alsmiller, R.G., Jr., Barish, J., Childs, R.L. Skyshine at neutron energies  $\leq 400$  MeV 1-48307
- Alspach, B., Rosenfeld, M. Realization of certain generalized paths in tournaments 1-35811
- Alspaugh, G.R., O'Hara, F.P. Buffered and unattended dial unit 1-47423
- Alspecter, J. *see* Baggett, N.V. 1-48581
- Alstad, J. *see* Novik, S.I. 1-48591
- Alster, J. *see* Baer, H.W. 1-34516
- Alt, P.M. *see* Sahni, O. 1-37044, 1-41026
- Altaber, J., Beck, F., Rausch, R. Accelerator control systems without minicomputers 1-48318
- Altaf-ur-Rahman, Ramakumar, R. Design aspects of the field modulated generator system 1-53392
- Alteneder, K.P. Salt River Project tests load management techniques 1-48974
- Alter, E. On the availability of electronic television cameras 1-42375
- Alter, H.W., Fleischer, R.L. Passive integrating radon monitor for environmental monitoring 1-52820
- Alterovitz, S.A. Critical currents and pinning forces in the Pb-Ge system 1-28310
- Al'tgauzen, A.P., Berzin, V.A. Technical-economic trends in the development of electrotrophy 1-31665
- Althaus, R., Caspi, S., Gilbert, W.S., Hassenzahl, W., Meuser, R., Rechen, J., Taylor, C., Warren, R. Performance of dipole magnets in helium II. [Accelerator magnets] 1-43113
- Althaus, R. *see* Taylor, C. 1-43114, 1-51112
- Alther, G.R., Ruedisili, L.C., Stauber, H., Kollbrunner, C.F. Glacial melt water in Greenland: a renewable resource for the future 1-38921
- Althoff, K.H., Brefeld, W., von Drachenfels, W., Fischer, H.M., Hofmann, M., Husmann, D., Knop, G., Lindenberg, W., Nietzel, Ch., Nolden, F., Noldeke, G., Paul, W., Reichmann, K., Schittko, F.J. ELSA, a proposed stretcher and post accelerator for the Bonn 2.5 GeV electron synchrotron 1-42878
- Altimari, R., Campagna, F., Vermilyea, C.J. AC plasma panel fabrication 1-40369
- Altmann, W., Hill, B.M.E., Lerner, D.S., Mumford, H. An 844 kbit/s digital line system for paper-cored quad cables 1-42140
- Altmann, W. *see* Blackmore, R.W. 1-42262
- Alton, J. The remote control of electric traction power supply equipment 1-44452
- Al'tshuler, B.L., Aronov, A.G. Magnetoresistance of thin films in transverse magnetic field and of wires 1-45729
- Al'tshuler, E.B. The effect that the structure of permafrost ground has on the parameters of an earthing system 1-53142
- Altshuler, E.E. *see* Mano, K. 1-33348
- Altstetter, C. *see* Ilıc, R. 1-48634
- Altwegg, R. Electro-technical installations for the national highways system. I 1-35115
- Altwegg, R. Electrotechnical equipment for the national motorway network. II 1-37785
- Alurkar, S.K., Bobra, A.D., Bhonsle, R.V. A 1-bit digital autocorrelator 1-29048
- Alvarez, D.C. *see* Bjorklund, G.C. 1-28805
- Alvarez, J.M. *see* Bernabeu, E. 1-41116
- Alvarez, M.F., Gable, M.G. Local area contention network physical level design 1-29453
- Alvarez, R.A., Bix, D., Byrne, D., Mendonca, M., Johnson, R.M. Generation of high-power microwave pulses using a spherical superconducting cavity and interference-type switch 1-28411
- Alvarez, R.A., Bix, D.L., Byrne, D.P., Lauer, E.J., Scalapino, D.J. Application of microwave energy compression to particle accelerators 1-48449
- Alvarez-Estrada, R.F., Calvo, M.L. Inhomogeneous dielectric slabs with analytic frequency-dependent permittivities 1-51580
- Alves, A.P. *see* McEwan, N.J. 1-28898, 1-46899
- Alves, R.V. *see* Wickersheim, K.A. 1-48257
- Alvo, M., Goldberg, M. A measure of reliability for classification of Earth satellite data 1-38574
- Alvo, M. *see* Goldberg, M. 1-44842
- Alwash, J.H. A simple analysis of linear induction machines 1-49495
- Aly, S.A.H., Fahmy, M.M. 2-D separable digital filters 1-40121
- Aly, S.A.H., Fahmy, M.M. Symmetry in two-dimensional rectangularly-sampled digital filters 1-40128
- Aly, S.A.H., Fahmy, M.M. Symmetry in two-dimensional rectangularly sampled digital filters 1-45530
- Aly, S.A.H., Fahmy, M.M. Symmetry exploitation in the design and implementation of recursive 2-D rectangularly-sampled digital filters 1-45544
- Alymkulov, K.A., Baukov, N.A., Bul, B.K., Grushchaya, N.P., Gusel'nikov, E.M. Calculation of transients in a single phase bridge rectifier circuit preceded by a capacitance 1-31330
- Alymkulov, K.A. *see* Baukov, N.A. 1-35172
- Al'zhanov, T.M., Velichko, B.F., Popov, A.N., Rozenberg, V.L. Modern electric ore reduction furnaces 1-31710
- Amadesi, P. A fast evaluation of the error rate of CPSK system with intersymbol and multiple co-channel interferences by means of local approximations of the error function 1-37396
- Amadesi, P. Clock recovery for on-board regeneration in a TDMA satellite communication system 1-47652
- Amaldi, U. Fluctuations in calorimetry measurements 1-38433
- Amaldi, U. *see* Jonker, M. 1-43256
- Amann, J.F. *see* Atencio, L.G. 1-52677
- Amann, M.-C. New contacting system for low-expense GaAs-AlGaAs light sources 1-28594
- Amann, M.-C., Stegmüller, B. Calculation of the effective refractive-index step for the metal-clad ridge-waveguide laser 1-33216
- Amano, J., Carey, K. A novel three-step process for low-defect-density silicon on sapphire 1-50277
- Amano, N., Sato, R. Analysis of a V-loop antenna 1-51682
- Amano, T. Using electronic counters efficiently 1-40002
- Amano, Y. *see* Osada, M. 1-36375
- Amano, Y. *see* Sunaga, Y. 1-38786, 1-43643
- Amano, Y. *see* Yoshioka, K. 1-32446, 1-37849
- Amare, J.C. *see* Bernabeu, E. 1-41116
- Amato, M.A., Arikian, M.C., Ridley, B.K. Photoconductivity of epitaxial GaAs:Cr 1-28562
- Ambats, I. *see* Price, L.E. 1-34443
- Amberny, P. *see* de Mendez, M. 1-28464
- Ambersey, M.D., Pitt, C.W. Piezoelectric ZnO transducers produced by RF magnetron sputtering 1-52971
- Amblard, P., Saucier, G. Design methodology of controllers 1-39372
- Ambos, H. Dieter *see* Dieter Ambos, H.
- Ambre, J.M. *see* Greenwood, J. 1-44290
- Ambrico, L.E., Reible, G.A. Non-selective gas panel erase 1-38245
- Ambridge, R. *see* Faktor, M.M. 1-45971
- Ambrosch, H. Actual problems of the further development of high-voltage switchgear from the point of view of operators of electric energy installations 1-31351
- Ambrosch, H. Winter operation in high-voltage outdoor switch plants 1-31353
- Ambrose, J. *see* Teichholz, L. 1-48697
- Ambrosini, M.L., Sacchetti, R. The 'cylindrical symmetrization' in the study of electrical networks 1-53426
- Ambrozio, A. 1/f noise in (BaSr)TiO<sub>3</sub> (barrier-dominated contact noise) 1-27841
- Ambuhl, H., Bachmann, P. Determination of the losses in individual stage-components of single- and multistage radial pump-turbines 1-38929
- Ambruter, B.P. *see* Davis, R.E. 1-43444
- Ameling, W. *see* Jensch, P. 1-48696
- Amemiya, M., Takahara, M. Computation of a realizable optimum filter to additive and multiplicative noises 1-32325
- Amemiya, T., Iwano, T., Niuro, M., Ogawa, T., Ohchi, H. Optical loop network controller module for CAMAC system 1-29772
- Amendolia, S.R., Batignani, G., Bertolucci, E., Bosio, L., Budinich, M., Bradascchia, C., Fidecaro, F., Foa, L., Focardi, E., Giazotto, A., Giorgi, M.A., Marrocchesi, P.S., Menzione, A., Ristori, L., Rolandi, L., Scribano, A., Stefanini, A., Vincelli, M.L. Multi electrode semiconductor detectors 1-43238
- Amer, N.M. *see* Yasa, Z.A. 1-28754
- Ameri, S., Ash, E.A., Neuman, V., Petts, C.R. Photo-displacement imaging 1-34372
- Amerongen, G. van *see* van Amerongen, G.
- Amerongen, J. van *see* van Amerongen, J.
- Ames, J.R.W., Elsdon, M.J., Hill, M.W., Trudgett, P.A. UXD5: a small digital-switching telephone exchange for rural communities. II. System software and operation 1-33888
- Ames, W.F. *see* Adams, E. 1-50261
- Amey, D.I. Leadless chip carriers: present art and future trends for high lead densities 1-40337

- Amin, I.A., Szasz, F.A. On extensions of nilpotent torsion rings by semisimple rings 1-50069
- Amin, M.B., James, J.R. Techniques for utilization of hexagonal ferrites in radar absorbers. I. Broadband planar coatings 1-34009
- Amin, M.B. *see* James, J.R. 1-34010
- Aminev, A.M., Sultanov, A.Kh., Timofeyev, A.L., Kovalev, Yu.I. Charge inversion in charge-coupled devices 1-50951
- Aminoff, C.G., Kaivola, M. High power single-mode CW dye laser with Michelson mode selector 1-33204
- Amir, G., Gregorian, R., Edwards, G. The implementation of a speech synthesis algorithm 1-37470
- Amir, G. *see* Gregorian, R. 1-47160
- Amir, H. *see* Schell, R.R. 1-41714
- Amirkhanov, A.V., Fursin, G.I. Investigation of the small-signal impedance of the n-p-i structure 1-32809
- Amitay, N., Gans, M.J. Narrow multibeam satellite ground station antenna employing a linear array with a geosynchronous arc coverage of 60° 1-52097
- Amler, J. Energy economizing vehicle for the Nuremberg underground system—the first series production three-phase current asynchronous drive emu 1-44419
- Amm, D.E. *see* Cherney, E.A. 1-38835
- Ammann, H. *see* Horler, H. 1-49309
- Ammirato, F. Ultrasonic inspection of in-service shrunk-on turbine wheels 1-35992
- Ammon, G.J. Archival optical disc data storage 1-42442
- Amoia, V., De Micheli, G., Santomauro, M. Computer-oriented formulation of transition-rate matrices via Kronecker algebra 1-39446
- Amoia, V., Premoli, A., Santomauro, M., Saracco, O. Optimum time-domain design of system reliability 1-35680
- Amoroso, F. The bandwidth of digital data signals 1-33839
- Amos, S.W. FM detectors. II. A survey and a system of classification 1-27367
- Amosov, A.A. Solvability of the radiative heat-transfer problem in accordance with the Stefan-Boltzmann law 1-50256
- Amosova, O.A. Difference scheme for an elliptic equation with a discontinuous coefficient 1-32028
- Ampuja, M. *see* Andruszkiewicz, J. 1-44189
- Amri, Z. El Abidine *see* El Abidine Amri, Z.
- Amstutz, P. Circuit theory versus classical mechanics 1-45158
- Amstutz, P. *see* Carlin, H.J. 1-32126, 1-50377
- An, L.N., Smith, G.S. The circular antenna near a material interface 1-51722
- An-Chang Deng On the matrix equation  $BXA^T = C$  1-44782
- An-na Sun *see* Sun An-na
- Anafi, D., Spinhirne, J.M., Freeman, R.H., Oughtston, K.E. Intracavity adaptive optics. II. Tilt correction performance 1-41112
- Anafi, D. *see* Spinhirne, J.M. 1-28739
- Ananasso, F. Nulling performance of null-steering arrays with digital phase-only weights 1-28972
- Anand, L.C. Polyurethane based wire-enamels 1-40751
- Anand Das, Y. *see* Khan, A.A. 1-46117
- Anandan, M., Wadhwa, R.P., Satyam, M., Savoor, K.R. Coplanar gas-discharge display 1-50734
- Anani, A. *see* Almstrom, C. 1-52809
- Anan'in, A.V., Stinon, M.N. Dynamic focusing in memory on electrostatic vidicon 1-42418
- Anant, A. *see* Chandan, E. 1-42635
- Anantha, N.G., Bhatia, H.S., Gaur, S.P. Bipolar transistor having low base-collector junction and diffusion capacitances 1-27997
- Anantha, N.G., Bhatia, H.S., Kumar, A.H. Method for forming palladium-silicon contacts and electrodes on silicon semiconductor devices 1-45994
- Ananthakrishna, P., Mitra, S.K., Anderson, B.D.O. Digital lattice and ladder block structures 1-36268
- Ananthapadmanabha, T.V., Srinivasa Chakravarty, H.S. Linear prediction analysis based on square root autocorrelation [speech analysis] 1-41529
- Anantharam, V. *see* Narasimhan, M.S. 1-41388
- Anaskin, I.F. *see* Fialkov, A.S. 1-43190
- Anastasovski, P. On the possibility of betatronic increase in the amplification of ionic lasers 1-51336
- Anastasovski, P., Pop-Yanev, S., Kachurkov, D. Light modulation by gas plasma with an alternating magnetic field 1-51337
- Anastassiou, D., Sakrison, D.J. A probability model for simple closed random curves 1-41460
- Anaton, D. *see* Bar-David, I. 1-51818
- Anchutkin, V.S. Investigating dynamics of small lateral strains of rough bodies by means of speckle interferometer 1-41158
- Ancilotti, P., Boari, M. Information streams sharing a finite buffer: protection problems 1-37748
- Anczurowski, E. *see* Josefowicz, J.Y. 1-42725
- Anday, F. Realization of second-order transfer functions with switched-capacitor networks 1-32334
- Andel, J. On extrapolation in multiple ARMA processes 1-27066
- Andelman, D. Maximum likelihood estimation applied to cryptanalysis 1-33507
- Anders, S.W., Puccini, S.E., Tarr, L.A. GTD-5 EAX—digital remote units 1-29537
- Andernach, H.F., Kupsch, E. Renovation of a lighting installation with high power reflecting lamps 1-35502
- Anders, G.J., Gunn, E.A. A dual interval programming approach to power system reliability evaluation 1-34785
- Anders, G.J., Gunn, E.A. A dual interval programming approach to power system reliability evaluation 1-38662
- Anders, K. Overhead cable equipment 1-42154
- Anders, P. Digital speech synthesis for low cost applications 1-51797
- Anders, P. Digital speech synthesis for low-cost applications 1-51804
- Anders, P.U. Measurement errors in the investigation of characteristic fixed signals of any form from their scan values—consideration of the spread of empirical moments 1-51840
- Andersen, B.E., Boettcher, C.W., Jr., Hamilton, B.H., Retotard, D.D., Schroeder, R.E. Analysis of the static characteristics and dynamic response of push-pull switching converters operating in the current programmed mode 1-53538
- Andersen, C.M. *see* Noor, A.K. 1-39716
- Andersen, D.W. *see* Ver, I.L. 1-44165
- Andersen, E. *see* Faber *see* Andersen, E.
- Andersen, G.F. Underground residential distribution practices in a developing suburban city 1-43671
- Andersen, H. The alarm network [PAXNET remote monitoring system] 1-47294
- Andersen, O.W. Two stage solution of three dimensional electrostatic fields by finite differences and finite elements 1-49043
- Anderson, A.C., Dolat, V.S., Brogan, W.T. Attenuating thin films for SAW devices 1-32952
- Anderson, A.P., Dawoud, M.M., Patel, P.D. 'Super-suppression' of side lobes in linear arrays 1-41306
- Anderson, A.P. *see* Godwin, M.P. 1-41368
- Anderson, B.D.O., Gevers, M.R. On multivariable pole-zero cancellations and the stability of feedback systems 1-45169
- Anderson, B.D.O. *see* Ananthakrishna, P. 1-36268
- Anderson, B.D.O. *see* Bitmead, R.R. 1-33658, 1-37501
- Anderson, B.D.O. *see* Johnson, C.R., Jr. 1-37498, 1-37637
- Anderson, C.J., Ketchen, M.B. Measurements of the effects of asymmetry in an on-chip regulated power distribution system using a dual trace Josephson sampling oscilloscope 1-27258
- Anderson, C.L. *see* Kubena, R.L. 1-36630
- Anderson, C.L. *see* Vaidyanathan, K.V. 1-40408
- Anderson, C.M., Naguib, H.M. The development of 8"–100 lpi thick-film thermal printheads 1-48123
- Anderson, C.M., Sanders, W.J., Harrison, D.C. Comparing the morphologies of ECG waveforms in frequency space 1-52784
- Anderson, C.M. *see* Conn, D.R. 1-45700
- Anderson, C.N., Stone, R.W. Leaching of asbestos-cement cooling-tower fill 1-53249
- Anderson, D.A. *see* Weissfield, R. 1-50795
- Anderson, D.F. A photoionization detector for the detection of xenon light 1-34468
- Anderson, D.V., Demers, R.A. TID office repeater design 1-29565
- Anderson, E., Herrell, D., Hays, W.D., West, R.G. Computer-controlled meteorological monitoring system 1-34712
- Anderson, E.R., Vojak, B.A., Holonyak, N., Jr., Stillman, G.E., Coleman, J.J., Dapkus, P.D. Transient and noise characteristics of quantum-well heterostructure lasers 1-33221
- Anderson, E.W. *see* Ackermann, N.J., Jr. 1-35011
- Anderson, E.W. *see* Johnson, G.E. 1-28182
- Anderson, G. *see* Ahrenkeli, R.K. 1-32756
- Anderson, G.A., Barnes, R.K. Reset signal generator for a processor 1-27330
- Anderson, H. Homing in on the advanced workstation market 1-41920
- Anderson, H.L. *see* Hargrove, C.K. 1-43237
- Anderson, H.L. *see* Yang, M.-J. 1-48584
- Anderson, H.R. Digital processing of synthetic array radar data [in military aircraft] 1-47727
- Anderson, I. Aberrative properties of a planar dielectric sheet [radomes] 1-47033
- Anderson, J. 1200 bps, full-duplex, 2-wire data transmission—impossible 1-41996
- Anderson, J. *see* Pinciroli, F. (editor) 1-49878
- Anderson, J.A., Philips, R.P. Regression, discrimination and measurement models for ordered categorical variables 1-44828
- Anderson, J.A. *see* Albert, A. 1-44771
- Anderson, J.B. Simulated error performance of multi-h phase codes 1-41502
- Anderson, J.B., Sundberg, C.-E.W., Aulin, T., Rydbeck, N. Power-bandwidth performance of smoothed phase modulation codes 1-29062
- Anderson, J.B., Sundberg, C.-E.W., Aulin, T., Rydbeck, N. Power-bandwidth performance of smoothed phase modulation codes 1-33527
- Anderson, J.B. *see* Modestino, J.W. 1-33666
- Anderson, J.B. *see* Mohan, S. 1-33557
- Anderson, J.C. A low-cost digital voice recognition and response system 1-47155
- Anderson, J.C. *see* De Silva, G.M.S. 1-27714
- Anderson, J.C. *see* Kimmins, S.T. 1-40617, 1-46175
- Anderson, J.C. *see* Smith, D.P.H. 1-40325, 1-40326
- Anderson, J.E., Graves, Y.B. Steady-state characteristics of oxygen concentration cell sensors subjected to nonequilibrium gas mixtures 1-30086
- Anderson, J.G. Paper/board moisture measurement by microwave loss 1-52612
- Anderson, J.L. Optimal processing techniques for real-time isolated word recognition 1-41573
- Anderson, J.N., Radman, G. Power factor controller performance evaluation. Final report 1-44112
- Anderson, K. *see* Ballo, B. 1-45710
- Anderson, L. Rural electrification in developing countries 1-43658
- Anderson, L., Barrett, G. Telco construction spending to top \$23 billion in 1981 1-29356
- Anderson, L.A. *see* Boehman, L.I. 1-31153
- Anderson, M.A. *see* Chamorro, R.S. 1-38664
- Anderson, M.D. *see* Chamorro, R.S. 1-34779
- Anderson, M.D. *see* MacArthur, C.A. 1-30592, 1-31790
- Anderson, M.E. *see* Foster, W.M. 1-43843, 1-49233
- Anderson, M.S. *see* Agrawal, P.K. 1-47075
- Anderson, N., Arthurs, A.M. Variational principles for Maxwell's equations II 1-46822
- Anderson, P.M. An approach to probabilistic system disturbance evaluation 1-52976
- Anderson, R. Normal modes on uniform, multi-conductor transmission lines 1-49049
- Anderson, R. *see* Huang, C. 1-46176
- Anderson, R.A. *see* Brainard, J.P. 1-36705, 1-49181
- Anderson, R.B. Lightning research in Southern Africa 1-30790
- Anderson, R.E., Frey, R.L., Lewis, J.R. Position surveillance using one active ranging satellite and time-of-arrival of a signal from an independent satellite 1-52172
- Anderson, R.E., Frey, R.L., Lewis, J.R., Milton, R.T. Satellite-aided mobile communications: experiments, applications, and prospects 1-42209
- Anderson, R.H., Huang, C.-C., Buholz, N.E. Sensing the position and vibration of spacecraft structures 1-46816
- Anderson, R.J. *see* VanDevender, J.P. 1-32524
- Anderson, R.S., Warner, B.E., Larson, C., Grove, R.E. 85-W copper vapor laser oscillators 1-51386
- Anderson, R.T., Bass, S. How to control reliability from design through burn-in 1-50041
- Anderson, S.W. *see* Landgren, G.L. 1-43637, 1-43684
- Anderson, T.W. Preventive maintenance and energy survey with a pyroelectric vidicon system 1-45867
- Anderson, W.A., Rajeswaran, G. An evaluation of potentially low-cost silicon substrates for metal-insulator-semiconductor solar cells 1-49685
- Anderson, W.A. *see* Han, M.K. 1-49686
- Anderson, W.A. *see* Han, M.K. 1-49682
- Anderson, W.A. *see* Sternberg, R.L. 1-47066
- Anderson, W.H. *see* Dwyer, S.J., III 1-43320
- Anderson, W.T., Jr., Christou, A., Giuliani, J.F. Laser annealed Ta/Ge and Ni/Ge ohmic contacts to GaAs 1-36517
- Anderson, W.T., Jr., Christou, A., Giuliani, J.F., Dietrich, H.B. Ohmic contacts to GaAs for high-temperature device applications 1-36528
- Anderson, W.T., Jr. *see* Giuliani, J.F. 1-51541
- Anderson, W.W. *see* Thornton, J.A. 1-45117
- Andersen, R.S., De Hogg, F.R., Love, J.D. A numerical technique for solving the scalar wave equation for Gaussian and smoothed-out profiles 1-33050
- Andersson, L. Rural electrification in developing countries 1-34790
- Andersson, O. Swedish know-how in the electric furnace yield will create products for the world market 1-35514
- Andersson, T., Eng, S.T. Gigahertz bandwidth measurements of photodetectors and fibers using picosecond pulses generated by semiconductor lasers 1-51179
- Andeweg, A.H. Large-capacity sample-changer for automated gamma-ray spectroscopy 1-43270
- Ando, H., Kanbe, H. Ionization coefficient measurement in GaAs by using multiplication noise characteristics [avalanche photodiodes] 1-41015
- Ando, H., Susa, N., Kanbe, H. Carrier density profiles in Zn- and Cd-diffused InP 1-27927

- Ando, H., Susa, N., Kanbe, H. Planar InP avalanche photodiode with Zn-diffused guard ring 1-33136
- Ando, H. *see* Ito, M. 1-37037
- Ando, K., Yamaguchi, M. Flat band state determination of MIS and Schottky interfaces by modulated photoluminescence method 1-46017
- Ando, K., Yamamoto, A., Yamaguchi, M. Surface field effect of photoluminescence intensity in ZnSe Schottky diode 1-28566
- Ando, K., Yamamoto, A., Yamaguchi, M. Surface band bending effects on photoluminescence intensity in n-InP Schottky and MIS diodes 1-51261
- Ando, K. *see* Sato, T. 1-41792, 1-51529
- Ando, M. *see* Kitada, K. 1-52418
- Ando, N. *see* Fukagawa, H. 1-43701
- Ando, S. *see* Oe, K. 1-32067
- Ando, T. Calculation method for the scattering cross section of a dielectric sphere considering the resonance phenomena 1-33331
- Ando, T., Umoto, J. Analysis of transient response of magnetic flux in nonlinear magnetic circuit 1-31247
- Ando, T. *see* Hatanaka, Y. 1-40345
- Ando, T. *see* Nishi, M. 1-28388
- Ando, T. *see* Sakai, Y. 1-44430
- Ando, T. *see* Shimada, T. 1-41175
- Ando, T. *see* Shimamoto, S. 1-28369, 1-51118
- Ando, T. *see* Sumiyoshi, M. 1-38318
- Andoh, S., Murase, K. Trends in AC plasma displays 1-45879
- Andoh, S. *see* Uchiike, H. 1-45880
- Andrew, P.K. Fault trees and failure analyses: discrete state representation problems 1-39367
- Andrada, T. *see* Murphy, R.E. 1-42554
- Andrade, M.C. *see* De Andrade, M.C.
- Andras Rescisi, Judit Takacs On the combinatorial sufficient conditions for linear network solvability 1-45201
- Andre, G. *see* Espiau, B. 1-52582
- Andre, J.P. *see* Hallais, J. 1-50779
- Andreadakis, N. *see* Holz, G. 1-45883
- Andreev, A.A., Golikova, O.A., Kazanin, M.M., Mezdrogina, M.M. Electric-field and temperature dependences of the conductivity of amorphous silicon 1-32666
- Andreev, A.L., Gubin, Yu.A. Increasing stability of static characteristics of optical-electronics angular deviation sensor 1-48047
- Andreev, A.T., Grundinin, A.B., Dianov, E.M., Prokhorov, A.M., Guryanov, A.N., Devyatikh, G.G., Ignatiev, S.V., Hopin, V.F. Experimental study of single-mode W-type optical fibre 1-36870
- Andreev, A.Ts., Borkina, G.Yu., Bubnov, M.M., Dianov, E.M., Karpychev, N.I., Konov, A.S., Laptev, A.Yu., Mazavin, S.M., Pryakhina, T.A., Rusanov, S.Ya., Sokolov, N.I., Yushin, A.S. Frost-resistant fiber waveguides with a quartz glass core and a silicone rubber cladding 1-28478
- Andreev, A.Ts., Gur'yanov, A.N., Konov, A.S., Nikitin, E.P., Yazdyzhi, A.V. Investigation of the temperature dependence of the optical losses in low-loss fiber-optic waveguides 1-28479
- Andreev, G.A., Chernaya, L.F. The scattering of millimeter waves by rough surfaces 1-41251
- Andreev, R.B., Vorzobova, N.D., Kalintsev, A.G., Staselko, D.I. Image pulsed holography recording in the green region of the spectrum 1-41164
- Andreev, S.A., Andreeva, N.P., Badikov, V.V., Matveev, I.N., Pshenichnikov, S.M. Frequency up-conversion in a mercury thiogallate crystal 1-28783
- Andreev, V.A., Dolgov, A.A., Enin, A.S. Remote indication-equipment for rural distribution networks 1-53149
- Andreev, V.I. *see* Vikulin, I.M. 1-33144
- Andreev, V.M., Zadiranov, Yu.M., Korol'kov, V.I., Tabarov, T.S., Yuferev, V.S. Photoeffect in smooth isotopic and anisotropic AlGaAs-heterostructures at high illumination levels 1-28552
- Andreeva, A.F. *see* Samsonov, G.V. 1-27813
- Andreeva, L.I., Demin, V.V., Lozovskii, P.M., Semichastnova, Z.M., Chernov, S.P., Yuzhin, A.I. Photocell with a high time resolution for a vacuum ultraviolet detector 1-52469
- Andreeva, N.P. *see* Andreev, S.A. 1-28783
- Andreiev, N. Data loggers show two faces—data acquisition and PID control 1-42561
- Andrejewski, T. *see* Badziak, J. 1-37198
- Andrenko, S.D., Provalov, S.A., Shestopalov, V.P. An experimental investigation of near electromagnetic fields at millimeter wavelengths 1-33304
- Andreoni, A. *see* Cova, S. 1-37036
- Andresciani, V., Perri, A.G. A computer aided design of two-stage amplifier for the frequency range 8÷12 GHz with MESFET and hybrid matching networks 1-45637
- Andresen, E., Baertz, U. Normal forces in linear induction motors with wound secondary 1-49487
- Andresen, E., Bieniek, K. The current-source-inverter-supplied induction motor with three and six phases 1-31217
- Andresen, E., Muller, W. On the determination of the starting data of AC squirrel-cage motors by means of numerical field calculation 1-38972
- Andresen, R.D. *see* Taylor, B.G. 1-34471
- Andreucci, F., Fedi, F., Marchetti, P.G. Analytical method to evaluate the effect of multipath fading on long-haul high-capacity digital radio-relay systems 1-29624
- Andreucci, F., Marchetti, P.G. An analytical method to evaluate error probability in 4 and 8 phase-coherent detection-digital transmission systems 1-41483
- Andrews, A.J. *see* Fujii, K. 1-51342
- Andrews, B. Digital display excitation techniques 1-30205
- Andrews, C.W. The development of the enhanced degree course at Sheffield City Polytechnic—B.Sc. (Hons) manufacturing systems engineering 1-26792
- Andrews, H.C. *see* McCaughey, D.G. 1-37510
- Andrews, J. Pulse reference waveform standards development at NBS 1-52491
- Andrews, J.A., Mahalingam, L.M., Berg, H.M. Thermal characteristics of 16 and 40 pin plastic DIL packages 1-46271
- Andrews, J.D. Automatic voice systems for telecommunications 1-42046
- Andrews, J.R. *see* Nahman, N.S. 1-52589
- Andrews, J.W. *see* Coates, P.B. 1-50733
- Andrews, L.A. *see* Brainard, J.P. 1-49181
- Andrews, R.W. *see* Schriber, T.J. 1-39525
- Andreyev, G.A., Golunov, V.A., Ismailov, A.T., Parshchikov, A.A., Rozanov, B.A., Tanygin, A.A. Fluctuations of the intensity and arrival angle of radio emission at  $\lambda=2.3$  mm in the turbulent Earth's atmosphere 1-33355
- Andreev, A.B., Burtsev, V.A., Vodovozov, V.M., Drozdov, A.A., Makeev, G.M. Low-inductance capacitor module for charging to 100 kV and energy storage capacity 80 kJ 1-31488
- Andrianov, D.G. *see* Brandt, N.B. 1-32646
- Andrianov, V.A., Bezlyudko, G.Y., Ponomarev, V.I. On the altitude profile retrieval of the troposphere refraction index according to the Earth satellite radio data 1-46941
- Andrianov, V.A. *see* Armand, N.A. 1-43441
- Andrijašević, R. Determination of efficacy in systems of interoffice TT connections 1-37681
- Andrikanis, L.I., Bunina, N.S. High-voltage axially symmetrical electron-optical system with centrifugal electrostatic shaping and strong electron deceleration 1-37267
- Andrisano, O., Calandrino, L., Crippa, G. Multipath propagation effects on availability of 4 $\phi$ -PSK radio relay systems 1-29621
- Andritsos, I. *see* Fray, C. 1-41436
- Andritsos, J. *see* Fray, C. 1-41288
- Androne, C. The synthesis of an amplitude modulator featuring magnetic cores 1-36152
- Andronov, A.M., Sklyarevich, F.A. Numerical method of analyzing computer associations with two-dimensional Markov description 1-39633
- Andros, F.E., Curtin, P.M., Finch, L.R., Kerjilian, G.K., Sirico, J.L. Heat sink with internal holes 1-31886
- Andrushko, L.M., Litvinenko, O.N., Naumenko, K.P., Shchepkina, Ye.D. Synthesis of flat dielectric waveguides with a small number of modes 1-33383
- Andrushko, L.M., Shchepkina, Ye.D. Use of the solution of inverse Sturm-Liouville problem in the synthesis of circular inhomogeneous dielectric waveguides 1-46992
- Andrusieczko, A. Decrease of energy consumption in glass melting process by applying electric heating 1-53849
- Andruszkiewicz, J., Ampuja, M., Ritamaki, P. Thyristor controlled static compensator in industrial applications 1-44189
- Anello, N.J. Grounding grid connections simplified 1-34933
- Ang, P.H. *see* Ahmed, H.M. 1-41565, 1-47161
- Angehrn, R. Computational method for analyzing the lateral vibration of rotors 1-43984
- Angehrn, R., Schweizer, F., Starkermann, K. On the stress analysis of Pelton buckets 1-38918
- Angel, E.S. Digital halftones and image coding 1-37575
- Angel, R. Stereo sound in television studio productions 1-29833
- Angelakos, D.J. *see* Coen, S. 1-43459
- Angelo, R.G. Unlocking captive production time with DC drives 1-53821
- Angelucci, A. *see* Accatino, L. 1-30243, 1-47657
- Anger, F. *see* Acedo, H.A. 1-32736
- Angermann, D. *see* Grams, T. 1-31907
- Angerstein, J., Wagner, E. Semiconductor laser on the way to mass applications 1-41083
- Angert, N. *see* Hutter, G. 1-48372
- Angert, N. *see* Klabunde, J. 1-48418
- Anghel, F. *see* Moraru, A. 1-31296
- Anghinolfi, M. *see* Corvisiero, P. 1-48600
- Angius, S. *see* Kasagi, J. 1-48362
- Angulo, J.M. *see* Inigo, R. 1-46458
- Angulo Usategui, J.M., Gutierrez Gonzalez, J.L. Principles and formation of systems of magnetic bubble memories 1-40840
- Angulo Usategui, J.M., Gutierrez Gonzalez, J.L. Principles and formation of magnetic bubble memories. I 1-51098
- Angus, B. Dolby C: new developments [audio recording] 1-29948
- Anheier, W., Kim, W. Optimization of complex functional integrated logic by means of a new network analysis method 1-40057
- Ani, P.I. *see* Mustata, O. 1-49071
- Anichkin, S.A. *see* Kalashnikov, V.V. 1-44838
- Anikin, V.I., Gorobets, A.P., Olevskii, S.S., Polovinkin, A.N. Influence of transition layers on the dispersion characteristics of film optical waveguides prepared by the method of reactive cathodic sputtering 1-51205
- Anil Kumar, K., Manohara Murthy, N., Sivakumar, K.V., Subrahmanyam, S.V. Effect of temperature and magnetic field on the frequency of UJT relaxation oscillator 1-36133
- Anis, H., Srivastava, K.D. Particle-initiated breakdowns in compressed gas insulation under time-varying voltages 1-46347
- Anis, H., Srivastava, K.D. Free conducting particles in compressed gas insulation 1-51041
- Anis, M.K., Nazar, F.M. Conductivity and Hall mobility in GaSe single crystals 1-50804
- Anis, M.K., Zaheer, M.Y., Nazar, F.M. Photoconduction in GaSe thin films 1-46610
- Anishchenko, V.A. *see* Lankin, Yu.N. 1-44532
- Anisimov, V.I., Kapitonov, M.V., Prokopenko, N.N., Sokolov, Yu.M. The input stages of high speed operational amplifiers 1-39962
- Anisimov, V.K. 'Instantaneous' determination of two coordinates of the sources of signals of acoustic emission 1-36008
- Anjaiah, B., Prabhakar, A. On deduction of voltage transfer function 1-27206
- Anjaneyulu, P.B., Dubey, G.K., Prabhu, S.S. A novel pulse delay circuit for converter control 1-44206
- Ankenbrandt, C., Curtis, C., Hojvat, C., Johnson, R.P., Owen, C., Schmidt, C., Teng, L., Webber, R.C. H<sup>-</sup> charge exchange injection systems 1-48573
- Ankenbrandt, C. *see* Moore, C. 1-48368
- Ankiewicz, A., Pask, C. Analysis of multimode optical fibres with profile perturbations 1-46511
- Annaratone, B., Bruzzese, R., Ceresara, S., Pericoli-Ridolfini, V., Pitto, G., Sacchetti, N. Effect of the thickness of aluminium layer on the transport properties of Nb<sub>3</sub>Al superconducting wires 1-28302
- Anness, D.L. CUTLASS [CEGB standard real-time software system] 1-49003
- Anolick, E.S. *see* Li-yu Chen 1-45157
- Anreac, P.M., Barrington, P.J. System X: the traffic generator and monitor 1-29544
- Ansari, A.A., Qadeer, A. Conduction mechanisms in M-I-M sandwich structures 1-36538
- Ansari, M. *see* Afzal *see* Afzal Ansari, M.
- Ansari, R., Liu, B. Interpolations and decimators as periodically-time-varying filters 1-47227
- Ansari, R., Liu, B. A class of low noise computationally efficient recursive digital filters 1-50573
- Antal, L. Calculation length of a slotless synchronous machine 1-31196
- Antal, L. Induction parameters of a slotless synchronous machine 1-31197
- Antani, K.A. *see* Ganghi, S.N. 1-51051
- Antar, Y.M.M. *see* Hendry, A. 1-28901, 1-46901
- Antaya, T., Miller, P., Poe, D. K-500 superconducting cyclotron deflector high voltage tests 1-48363
- Antes, G. Optical recognition of coins 1-28813
- Anthony, G.D. *see* Jenkins, P.E. 1-31573, 1-35462
- Anthony, P.J., Zilko, J.L., Hartman, R.L., Schumaker, N.E., Wagner, W.R., Swaminathan, V. Improved reliability for 0.87- $\mu$ m (Al,Ga)As DH lasers using Ga(As,Sb) active layers [LPE growth] 1-37158
- Anthony, P.J., Zilko, J.L., Swaminathan, V., Schumaker, N.E., Wagner, W.R., Norberg, J.C. Sulfur doping in Al<sub>0.4</sub>Ga<sub>0.6</sub>As 1-32752
- Anthony, P.J. *see* Pollack, M.A. 1-33234
- Anthony, P.J. *see* Zilko, J.L. 1-38267
- Antikain, P.A. The feasibility of raising superheated steam temperature at thermal power stations 1-49287
- Antipenko, B.M., Sinitsyn, B.V., Uvarova, T.V. Laser converter utilizing BaYb<sub>2</sub>F<sub>8</sub>:Ho<sup>3+</sup> with a three-micron output 1-28694
- Antipin, A.V. *see* Samoilovich, G.S. 1-49289
- Antipov, I. Prevention of birdsbeak formation 1-46282
- Antler, M. Sliding wear of metallic contacts 1-32459
- Antler, M., Drozdowicz, M.H., Haque, C.A. Connector contact materials: effect of environment on clad palladium, palladium-silver alloys, and gold electrodeposits 1-45753
- Antognetti, P., Cotta, B., Gabriele, B., Massobrio, G., Sciutto, G. Modeling and simulation of power transistors in electronic power converters 1-28003

- Antonenko, V.T., Korotkov, Yu.M., Kotykhin, Yu.P., Gribkov, Yu.G. A spot-welding robot with correction of the programme on the basis of the position of the workpieces 1-44531
- Antonetti, V.W. *see* Un Pah Hwang 1-32850
- Antoniadis, D.A. *see* Geis, M.W. 1-45087, 1-45092
- Antoniadis, D.A. *see* Wada, Y. 1-46014
- Antoniazzi, P., Buongiovanni, C., Tintori, S. Measuring transient intermodulation in audio amplifiers 1-29953
- Antonik, A., Badziak, J., Dubicki, A., Niedzielski, W., Szadzinski, L. Controlling the generation process in a laser with multi-stage suppression of losses. II. Experimental studies 1-37197
- Antonini, A., Giadrossi, A. Turbine behaviour under cavitation conditions 1-35079
- Antoniou, A., Charalambous, C. Design of factorable lowpass two-dimensional digital filters satisfying prescribed specifications 1-50567
- Antoniou, A., Charalambous, C. Improved design procedure for equiripple digital differentiators 1-50595
- Antoniou, M., Harja, C. A 10 kV megohmmeter 1-30171
- Antonuk, D. *see* Seguin, H.J.J. 1-51331
- Antonov, B.M., Sluchanko, E.I. Methods for valve converter investigation under non-zero initial conditions 1-31314
- Antonov, V.M., Mailayev, R.M., Nalimov, I.P., Shakirov, A.H. 3-D holographic pictures of human lungs 1-52767
- Antonov, Yu.F., Kos'kin, Yu.P., Mikutskii, A.S. A mathematical model of a superconducting rectifier 1-49558
- Antonucci, R.F. Method for increasing/decreasing line widths and/or gaps on printed circuit boards 1-40297
- Antonucci, R.F., Herdzik, R., Levite, J.M., Rose, H.K. Calibration module 1-35648
- Antonyuk, E.M. Approximation error in multiple-channel systems with adaptive quantisation 1-47087
- Antoranz, J.C., Velarde, M.G. Phase diagrams of a laser with absorber 1-46665
- Antoszkiewicz, K., Markowski, J. Application of the thermoelectric effect in measurements of thermal resistance of Gunn diodes 1-45643
- Antoulas, A.C. On canonical forms for linear constant systems 1-27054
- Antreich, K.J., Kobitz, R.K. An interactive procedure to design centering 1-45190
- Antsyferov, S.S. *see* Kurtev, N.D. 1-38484
- Anttila, A. *see* Raisanen, J. 1-36463
- Anuchin, O.N. *see* Karakashev, V.A. 1-36234
- Anuff, A., Ludwick, J.J. TID line repeater design 1-29589
- Anulova, S.V. On Markov stopping times with a given distribution for a Wiener process 1-44891
- Anunciada, A.V., Ferreira, R.J. Test of low voltage circuit breakers with thyristor AC controllers 1-31381
- Anunciada, A.V.A., Ferreira de Castro, C.F. Design of static power voltage stabilizers for rural areas 1-31391
- Anuszewski, Z., Rudalski, E. System of utilization safety examination for electronic consumer products 1-26920
- Anuta, P.E. *see* Kou-yuan Huang 1-43434
- Anyaeji, C.A. *see* Prior, D.L. 1-49470
- Anzai, A. *see* Ogirima, M. 1-32877
- Anzaldi, E., Bassi, E., Benzi, F., Petrecca, G. The use of microprocessors in electrical variable speed drives 1-31526
- Anzelone, T.A., Greenfield, J., Hames, J.L., Syler, R.L. Clip-hold down standoff insulator 1-44709
- Aoki Power system network optimisation 1-30692
- Aoki, H. *see* Arinobu, M. 1-30938
- Aoki, K. *see* Uchida, K. 1-46854
- Aoki, M., Washiyama, M. Solution growth of Zn and Cd chalcogenides using Te as the solvent 1-27100
- Aoki, S. *see* Kajitani, M. 1-37910
- Aoki, S. *see* Tani, S. 1-29391, 1-30030
- Aoki, T., Ikeda, G., Watanabe, T., Shinohara, H., Nitta, S. An automatic data-acquisition and processing system for testing large power transformers 1-44172
- Aoki, T. *see* Kato, F. 1-44446
- Aoki, T. *see* Sakai, S. 1-29751
- Aoki, T. *see* Seki, S. 1-42848
- Aoki, Y., Yamamoto, T., Hyo, K., Saito, K. Magnification theorem in Fresnel transform and its application to numerical image reconstruction 1-37662
- Aoki, Y., Yamamoto, T., Onda, K. Analysis of time series signals of wave fields by using state vectors 1-33649
- Aoki, Y. *see* Feng, G. 1-51538
- Aoki, Y. *see* Fujii, K. 1-28126
- Aoki, Y. *see* Yamamoto, T. 1-41169
- Aomine, T., Mizuno, K., Miyake, K., Matsuo, K., Kusunoki, S., Hidaka, M. Effects of magnetic field and injected current on DC SQUIDS with Dayem bridges 1-46472
- Aoshima, Y., Harada, T., Kishi, K. DC voltage distribution characteristics on polluted insulator string 1-30784
- Aoyama, H. *see* Odawara, G. 1-32493, 1-45424
- Aoyama, I. *see* Saito, T. 1-34692
- Aoyama, T. *see* Sasaki, T. 1-45414
- Aoyama, T. *see* Togashi, S. 1-52531
- Apakhov, M.I., Raikhan, A.Z., Markovskii, V.A. Distribution of interference signals and of the 'useful signals+interference signals' mixture during ultrasonic defectoscopy 1-36014
- Apanasenko, V.V. *see* Kiselev, V.I. 1-51989
- Aparisi, R.R. Method of calculating shading of heliostats in tower-type solar power plants 1-31098
- Aparisi, R.R., Teplyakov, D.L., Khantsis, B.G. Simplified method for calculating radiation density on the surface of tower-type solar power station receivers 1-49350
- Aparisi, R.R. *see* Rekan, N.B. 1-49352
- Aparisi, R.R. *see* Teplyakov, P.I. 1-49348
- Apel, P.Yu., Tret'yakova, S.P. Study of the process of etching of charged-particle tracks by the conductometric method 1-30357
- Apel, W. *see* Opitz, R. 1-31569
- Apel, W.-D. *see* Behrend, H.-J. 1-43229
- Apfel, R., Smith, D. IC power op amps...  $\mu$ A759 and  $\mu$ A791 1-32195
- Apfelbaum, H.L. Tendencies in the development of hardware technology 1-36411
- Apley, W.J. *see* Laity, W.W. 1-31127
- Apostol, D., Bachmann, P., Blarun, C., Cazacu, St., Damian, V., Ionescu, A., Vasiliu, V. A laser interferometer for straightness measurement 1-51543
- Apostol, D., Bachmann, P., Ciura, A.I., Nitoiu, A., Ristic, M., Vasiliu, V. A He-Ne laser apparatus for the description of a plane 1-51544
- Apostolov, E.M. *see* Madzharova, N.A. 1-28052
- Apothelov, M. *see* Ducommun, M. 1-41861
- Appa Rao, T.V.S.R. *see* Khadakkar, A.G. 1-52607
- Appel-Hansen, J. Distance criteria in near-field and far-field antenna measurements 1-41315
- Appelbaum, J. *see* Bany, J. 1-53705
- Appelbaum, J. *see* Yablon, A. 1-35184
- Apperley, M.D., Spence, R. Data-base navigation in the office of the professional 1-41984
- Appert, O., Swann, T., Sweatt, W., Saxman, A. Antares automatic beam alignment system 1-46780
- Apple, J.H. An onboard baseband switch matrix for SS-TDMA 1-47648
- Applebaum, M. Programmable Schmidt trigger circuit 1-36181
- Applebaum, M. Multi-event stopwatch 1-40154
- Appleby, D.G. SAR wave imaging [oceanography] 1-30559
- Appleby, M. *see* James, D.S. 1-47742
- Appleton, A.D. Industrial applications of superconductivity 1-44021
- Appleton, B. *see* Lau, S.S. 1-36524
- Appleton, B.R. *see* White, C.W. 1-36555
- Appleyard, R.K. An EEC view on the new technologies of information 1-29296
- April, G.-E. *see* Olivier, G. 1-49562
- Aprile, E. *see* Deiters, K. 1-30336
- Apyshev, Dzh., Neklepae, B.N. Analysis of transients in circuitry with resonance noninertial current-limiter 1-43778
- Arahata, K. Omron's programmable controllers meet optimum control requirements 1-40270
- Arahata, Y. *see* Ogura, S. 1-33313
- Arai, A., Senshu, T., Hosoe, Y. Development of high efficiency air conditioners 1-49811
- Arai, E. *see* Kobayashi, T. 1-50856
- Arai, I., Suzuki, T. Realization of open-input type second-order active RC filters using two operational amplifiers 1-45495
- Arai, K., Fukuhara, R., Ichie, T., Suzuki, K. Crane position detecting and data transmission using inductive radio in raw material yard 1-29392
- Arai, K., Tanabe, T., Mase, H., Manabe, T. Application of super-dense hollow cathode discharge to Ar ion laser tube 1-46686
- Arai, K. *see* Tabe, M. 1-32064
- Arai, M. *see* Hirata, H. 1-43455
- Arai, S., Asada, M., Tanbun-ek, T., Seumatsu, Y., Itaya, Y., Kishino, K. 1.6  $\mu$ m wavelength GaInAsP/InP BH lasers 1-37109
- Arai, S. *see* Asada, M. 1-37105, 1-46729
- Arai, S. *see* Itaya, Y. 1-37108
- Arai, S. *see* Stubkjaer, K. 1-51468
- Arai, S. *see* Tokuda, N. 1-48436
- Arai, T. *see* Goto, T. 1-28628
- Arai, Y. *see* Agui, T. 1-51836
- Arai, Y. *see* Fujioka, M. 1-48328
- Arakawa, H., Nakajima, K. Handprinted characters recognition on facsimile input 1-51931
- Arakawa, H. *see* Nakajima, K. 1-51935
- Arakawa, H. *see* Odaka, K. 1-29153
- Arakawa, T. *see* Hanaki, S. 1-47456
- Araki, K., Itoh, T. Hankel transform domain analysis of open circular microstrip radiating structures 1-28979
- Araki, K. *see* Takahashi, M. 1-43423, 1-43424
- Araki, T. *see* Nakaya, S. 1-42708
- Aramaki, S. *see* Shioya, H. 1-37881
- Arandjelovic, V. *see* Damjanovic, D. 1-27306
- Aranoff, S., Abulaffio, Y. Routing of printed circuit boards 1-45770
- Arantes, D.S. *see* Bezerra, J.B. 1-33505
- Arantes, D.S. *see* Waldman, H. 1-29319
- Arapostathis, A., Sastry, S., Varaiya, P. Bifurcation analysis of the load flow equations 1-30696
- Arapostathis, A., Varaiya, P. Global analysis of swing dynamics 1-53031
- Arapostathis, A., Sastry, S., Varaiya, P. Analysis of power flow equation 1-49052
- Arapotathis, A., Sastry, S., Varaiya, P. On the solutions of the load flow equations in power systems 1-30695
- Araseki, T. *see* Maruta, R. 1-29285
- Araujo, C.A. Paz de Paz de Araujo, C.A.
- Aravamudan, R., Raja, J. System-reliability effort at the Indian Space Research Organisation 1-38548
- Aravena, J.L., Porter, W.A. Finite memory partial inverses 1-36038
- Arbel, A. Analog divider 1-32363
- Arbel, A., Kaufman, L. Increasing quantitation accuracy of fluorescent excitation analysis (FEA) systems by pulse rise-time discrimination 1-34496
- Arcari, F., Bassi, A. Modular engine and microprocessor controlling techniques 1-39198
- Arce, R. Puerto Rico Tel goes to computer administered modular distributing frame 1-29548
- Arcese, A., Molina, A.S. On the method of maximum entropy spectrum estimation 1-33463
- Archer, J.A., Petz, F.A., Weidlich, H.P. GaAs FET distributed amplifier 1-46132
- Archer, J.A. *see* Weidlich, H.P. 1-27329
- Archer, J.L. Integrated magnetic-stripe reader encoder 1-51086
- Archer, J.W. Millimeter wavelength frequency multipliers 1-40231
- Archer, J.W., Granlund, J., Mauzy, R.E. A broad-band VHF mixer exhibiting high image rejection over a multidecade baseband frequency range 1-50464
- Archer, M.D., Morris, G.C., Yim, G.K. Electrochemical approaches to solar energy conversion: a brief overview and preliminary results obtained with n-type cobalt ferrite 1-53645
- Arcidiacono, V., Denegri, G.B., Maccio, G. Identification of turbogenerator models from frequency response tests 1-44039
- Arculli, W.A. *see* El Arculli, W.A.
- Ardenti, F. An estimate of the potentials of a magnetic linear accelerator (MAGLAC) 1-30293
- Ardila, R.J. *see* Asseo, S.J. 1-51850
- Arditi, M., Foster, F.S., Hunt, J.W. Transient fields of concave annular arrays 1-43473
- Arditi, M. *see* Foster, F.S. 1-48690
- Ardito, F.M. VLSI building-block arithmetic units for FFT processing 1-51849
- Arditty, H.J., Bourbin, Y., Mapuchon, M., Puech, C. Current sensor using state-of-the-art fiber-optic interferometric techniques 1-36957
- Arditty, H.J., Lefevre, H.C. Sagnac effect in fiber gyroscopes 1-51188
- Arditty, H.J. *see* Kayoun, P. 1-36869
- Arduin, L. Regulating for more production 1-49844
- Areitio Bertolin, J. A generalized matrix controller and spot light group controller 1-53773
- Arenson, J.W., Cobbold, R.S.C., Johnston, K.W. A linear stepped Doppler ultrasound array for real-time two-dimensional blood flow imaging 1-43329
- Aretz, A.J. *see* Miller, M. 1-52894
- Arfin, B., Read, M.E. A high power gyron operating in the TE<sub>041</sub> mode 1-45860
- Argent, G.G.R., Pells, H.N.F., Taylor, J., Strongman, C.P. Steenbras pumped storage scheme 1-53311
- Argumedo, A.J., Brower, R.D., Freeman, R.D., Kleczkowski, S.P. Alignment of magnetic head modules 1-32974
- Argyle, B.E., De Luca, J.C. Bubble automation channels by laser annealing 1-28258
- Argyle, B.E. *see* Jantz, W. 1-32968
- Argyle, B.E. *see* Kryder, M.H. 1-46397
- Argyle, B.E. *see* Spreen, J.H. 1-40786
- Arianer, J. Generation of the high-Q ions by the CRYEBIS method 1-38371
- Arianer, M. *see* Paris, P. 1-48327
- Aridgides, A. *see* Komo, J.J. 1-33441
- Arie, A.A., Grigoriu, M., Eremia, M., Covaci, T. Analysis of a cryoresistive cable thermal regime 1-38765
- Arie, R. *see* Hisano, K. 1-43922
- Arii, K. *see* Kitani, I. 1-28153
- Arikan, C. *see* Ermis, M. 1-53332
- Arikan, M.C. *see* Amato, M.A. 1-28562
- Ariki, Y., Kanade, T., Sakai, T. Interactive model construction for moving picture analysis 1-47251
- Arima, M. *see* Watanabe, K. 1-45646
- Arimoto, K. *see* Gamo, K. 1-40862
- Arimoto, S. *see* Hashimoto, T. 1-37427, 1-41499
- Arimoto, S. *see* Monden, Y. 1-41761
- Arimoto, S. *see* Yamada, M. 1-50565
- Arimoto, Y. *see* Ihara, M. 1-28085

- Arinobu, M.**, Shiho, E., Aoki, H. On the oscillations induced by steam condensation in water 1-30938
- Ariskina, R.A.**, Fanchenko, S.D., Tsitovich, A.P. Reading of oscillograms of single fast processes by tracking conversion using a dissector tube 1-30009
- Aristov, V.V.**, Konzhukov, F.I. Scanning device for contactless measurement of temperature 1-52470
- Arita, K.**, Fujiwara, K., Tsurumi, S., Yamauchi, G. Eutectic silver-silicon internally oxidized contacts 1-32473
- Aritome, H.** see Moriawaki, K. 1-40491, 1-46074
- Ariyoshi, H.** Feedback arc sets of directed star polygons 1-31990
- Arizumi, T.** see Ogawa, H. 1-39775
- Arjas, E.** A stochastic process approach to multivariate reliability systems: notions based on conditional stochastic order 1-44762
- Arjmand, M.**, Roberts, R. Multifactor algorithms for noncyclic digital convolution 1-37618
- Arjmand, M.**, Roberts, R.A. On comparing hardware implementations of fixed point digital filters 1-40113
- Arjona, F.** see Llabres, J. 1-35366
- Arkad'ev, B.A.** see Kosyay, Y.F. 1-30910
- Arkhangelskii, A.V.** Any topological group is a factor-group of a zero-dimensional topological group 1-50071
- Arkhiereev, L.P.**, Danilevich, O.I., Pilipenko, V.N. Transients of connecting a three-phase bridge charging rectifier 1-44188
- Arkhipkin, V.G.**, Makarov, N.P., Popov, A.K., Timofeev, V.P., Epstein, V.Sh. Optical second-harmonic generation in atomic calcium vapour 1-51521
- Arkhipov, V.I.**, Astvatsaturyan, E.R., Rudenko, A.I. Evolution of current-voltage characteristics of semiconductors with change of recombination centre concentration 1-36451
- Arkhipova, T.A.**, Belosheev, V.K., Butskii, V.V., Gutorenko, O.M., Kuptsova, G.Z. Method of estimating the number of multielectron scintillations from the effective surface of the screen of an electron-optical image converter 1-48000
- Arkind, K.D.**, Powers, R.L. Printed circuit antenna for wide bandwidth requirements 1-52157
- Arkkiö, A.**, Berglund, P., Eriksson, J.-T., Luomi, J., Savelainen, M. A 50 kW homopolar motor with superconducting field windings 1-31246
- Arkos, I.**, Ferencz General analysis of monochromatic signals propagating along inhomogeneous transmission lines 1-46966
- Arkos, I.**, Ferencz, A.I. General analysis of monochromatic signals propagating along inhomogeneous transmission lines. II 1-51634
- Arkushin, V.P.**, Gubarevich, V.N., Isakov, V.N. Regulating the level of constant current in T network inductance-capacitance transformation 1-31303
- Arlantsev, S.V.**, Buchanov, V.V., Vasil'ev, L.A., Molodykh, E.I., Tykotskii, V.V., Yurchenko, N.I. Numerical investigation of a pulse-periodic copper vapor laser 1-37078
- Arianov, V.L.** see Adel'son-Vel'skii, G.M. 1-35721
- Arllett, P.L.**, O'Neill, K.P. The remote sensing of overhead power line temperatures 1-43743
- Armand, M.B.** Intercalation electrodes 1-44335
- Armand, N.A.**, Andrianov, V.A., Aleksandrov, A.L., Vetrov, V.I., Shuba, V.D. Operating conditions of an acoustic sounder in the boundary layer of the atmosphere 1-43441
- Armandillo, E.**, Salvetti, G., Marchetti, R., Penco, E. An experimental investigation of the effects of SF<sub>6</sub> and its dissociation products on the performance of TE N<sub>2</sub> laser 1-41054
- Armandillo, E.** see Marchetti, R. 1-46699
- Armantrout, J.D.**, Meyer, T.O., Briggs, D.C. The INTELSAT V nickel-cadmium battery system 1-31423
- Armaos, J.** A general statistical approach to design centering and tolerancing 1-31991
- Armendariz, M.G.** see Dressendorfer, P.V. 1-28108
- Armenise, M.N.**, de Sario, M. Investigation of the guided modes in anisotropic diffused slab waveguide with embedded metal layer 1-33038
- Armenise, M.N.**, de Sario, M. Wave propagation in inhomogeneous anisotropic rectangular waveguides by the effective index method 1-46552
- Armgarth, M.**, Kindlund, A., Nylander, C. Data collection: better environment with chemical sensors 1-38599
- Armgarth, M.**, Nylander, C. A stable hydrogen-sensitive Pd gate metal-oxide semiconductor capacitor 1-52430
- Armigliato, A.**, Celotti, G., Guerri, S., Ostojia, P., Rosa, R., Martinelli, G. Characterization of TiO<sub>2</sub> films and their application as antireflection coatings for silicon solar cells 1-40986
- Armitage, D.** Thermal properties and heat flow in the laser addressed liquid-crystal display 1-40972
- Armitage, D.** Numerical solution of heat flow in the laser addressed liquid-crystal display 1-51232
- Armitage, J.D.**, Grimm, M.A. Multilayer dielectric internal reflectance enhancement 1-28548
- Armor, A.F.**, Parkes, J.B., Leaver, D.E. Root cause analysis of fossil power plant equipment failures: the EPRI program 1-43927
- Armour, D.G.** see Tognetti, N.P. 1-36525
- Armstrong, D.D.** see Meyer, E.A. 1-43185
- Armstrong, J.R.**, Devlin, D.E. GSP: a logic simulator for LSI 1-46250
- Arnal, Y.** see Pomathiod, L. 1-38404
- Arnaud, J.**, Desage, A.M. Optimisation of a graded-index fibre over a wavelength range 1-33032
- Arnaud, P.** see Rubel, P. 1-48719
- Arnault, C.**, Barberis, P.L., Bassompierre, G., Burkhardt, W., Coignet, G., Dosselli, U., Heusse, P., Montanet, F., Schneegans, M. A silica aerogel counter for large-acceptance hadron detection 1-43246
- Arnborg, T.** see Runov, F. 1-50940
- Arndt, G.D.** see Leopold, L. 1-31134
- Arndt, G.D.** see Monford, L. 1-30678
- Arndt, G.D.** see Seyl, J.W. 1-30504
- Arndt, K.** Asymptotic properties of the distribution of the supremum of a random walk on a Markov chain 1-44887
- Arndt, K.** On the properties of boundary functionals on a random walk on a finite Markov chain 1-50169
- Arnesen, J.H.** Setting the standards for rural telephony 1-29354
- Arnet, F.** see Ries, H. 1-39231
- Arnodo, C.** see Laval, S. 1-51259
- Arnodo, C.** see Nuzillat, G. 1-40036
- Arnold, C.P.**, Duke, R.M., Arrillaga, J. Transient stability improvement using thyristor controlled quadrature voltage injection 1-30626
- Arnold, C.P.**, Duke, R.M., Arrillaga, J. Transient stability improvement using thyristor controlled quadrature voltage injection 1-34789
- Arnold, C.P.** see Heffernan, M.D. 1-38725, 1-38733
- Arnold, G.**, Berlec, F.-J., Glasmachers, G., Vollmer, H.-P. Long-term behavior of V-groove lasers at elevated temperature 1-37128
- Arnold, G.** see Oelgart, G. 1-45936
- Arnold, H.S., Jr.**, Campbell, D., Wallo, M.J., Svenson, E.B., Jr. Portable computerized power plant equipment testing 1-53151
- Arnold, H.W.**, Cox, D.C., Hoffman, H.H. Antenna beamwidth independence of measured rain attenuation on a 28 GHz Earth-space path 1-52096
- Arnold, H.W.**, Cox, D.C., Hoffman, H.H., Leck, R.P. Measurements and prediction of the polarization-dependent properties of rain and ice depolarization 1-28923
- Arnold, H.W.**, Cox, D.C., Hoffman, H.H., Leck, R.P. Measurements and prediction of the polarization-dependent properties of rain and ice depolarization 1-37308
- Arnold, H.W.**, Cox, D.C., Rustako, A.J., Jr. Rain attenuation at 10-30 GHz along Earth space paths: elevation angle, frequency, seasonal, and diurnal effects 1-37309
- Arnold, H.W.** see Cox, D.C. 1-46913
- Arnold, J.** see Jousset, J. 1-52723
- Arnold, J.M.** Asymptotic analysis of planar and cylindrical inhomogeneous waveguides 1-46538
- Arnold, J.R.** see Bhandari, N. 1-48635
- Arnold, M.** Characteristics of various schemes for automatic control of feed for steam generator with drum 1-53264
- Arnold, R.** see Martin, R.L. 1-48310
- Arnold, R.C.** see Sacks, R.A. 1-43093
- Arnold, R.G.** see Morgan, D.P. 1-36786
- Arnold, R.G.** see Thomas, J.W. 1-47992
- Arnold, R.W.**, Grindel, D.R., Lisica, V.M. Optical emitter with processor control 1-28600
- Arnold, T.F.**, Toy, W.N. Inside the 3B-20 processor 1-38376
- Arnold, W.**, Berg, H., Clausnitzer, G. The duoplasmatron emission aperture: a very critical parameter in Lamb-shift sources 1-43152
- Arnoldt, M.** Competition by quartz resonators 1-28189
- Arnoldt, M.** Foldback characteristics of voltage regulators 1-45264
- Arnoldt, M.** Pre-amplifier and divider at 700 megahertz 1-45293
- Arnoldt, M.** A filter with variable cut-off frequency 1-45462
- Arnoldy, R.L.**, Winckler, J.R. The hot plasma environment and floating potentials of an electron-beam-emitting rocket in the ionosphere 1-48852
- Arobelidze, O.K.** see Zotov, V.D. 1-52487
- Arockiaswamy, R.** see Singh, B.P. 1-38988
- Aron, J.**, Benaroya, R., Bollinger, L.M., Clift, B.G., Johnson, K.W., Nixon, J.M., Markovich, P., Pardo, R.C., Shepard, K.W. The superconducting heavy-ion linac at Argonne 1-48302
- Arona, N.**, Barbaga-lo, C., Cavallaro, S., Figuera, A.S., Giardina, G., Potenza, R., Spertuto, M.L. Effective solid angle in the <sup>8</sup>Be detection 1-48626
- Aronoff, E.**, Rivers, D.D. Data turning-average signal to noise ratio improvement 1-37964
- Aronov, A.G.** see Altshuler, B.L. 1-45729
- Aronson, E.V.**, Bida, G.V., Kamardin, V.M., Mikheev, M.N., Samokhvalova, L.Z., Tsar'kova, T.P. Magnetic monitoring of impact viscosity for rolled mild and low-alloy steels 1-36021
- Arora, A.** see Melsa, J.L. 1-29366
- Arora, A.S.** see Cohn, D.L. 1-41579
- Arora, B.M.** see Subramanian, S. 1-36482
- Arora, J.D.**, Mathur, P.C. Behavior of diffused junction silicon solar cells in the temperature range 77-500K 1-53627
- Arora, J.D.**, Singh, S.N., Mathur, P.C. Surface recombination effects on the performance of n<sup>+</sup>p step and diffused junction silicon solar cells 1-44369
- Arora, J.D.** see Mathur, P.C. 1-53628
- Arora, N.K.** see Jain, G.C. 1-53632
- Arora, P.N.** On the Shannon measure of entropy 1-33414
- Arora, R.K.** see Kaushik, S. 1-39605
- Arora, S.S.** see Agarwal, D.D. 1-35223
- Arps, R.B.**, Langdon, G.G., Jr. LIFO arithmetic compression coding method for conditional sources 1-47125
- Arques, P.-Y.** Wiener-filtering matrix eliminating several jamming source 1-47165
- Arques, P.-Y.**, Vezzosi, G. Matched filtering matrix eliminating several jamming sources 1-47166
- Arragon, G.W.** Van see Van Arragon, G.W.
- Arrighi, R.** see Kissel, R. 1-53778
- Arrigoni, A.** see Gargiuli, R. 1-49089
- Arrillaga, J.** see Arnold, C.P. 1-30626, 1-34789
- Arrillaga, J.** see Edward, L.N.M. 1-49197
- Arrillaga, J.** see Heffernan, M.D. 1-38725, 1-38733
- Arrington, R.A.** Load management and automatic meter reading through the use of power line carrier 1-38650
- Arrivallaga, A.D.**, Kreuzer, H. The El Cajon hydro project in Honduras. II 1-35082
- Arrivallaga, A.** Diaz see Diaz Arrivallaga, A.
- Arsenault, D.R.**, Dolat, V.S. Self-aligning bilateral chirp-transform system 1-37540
- Arseneault, P.J.**, Kollar, E.P., Janssen, D.M., Stedman, D. Integrated rotating heat rotor 1-26906
- Arsenin, V.V.**, Koltun, M.M., Kulagin, A.I. Investigation of optical characteristics of solar cells based on MOS structure 1-49669
- Arshavskii, A.N.** Determination of the red limit to the inherent photoelectric effect in a Cs<sub>3</sub>Sb photocathode 1-37039
- Arshinov, A.A.** see Vinokurov, V.A. 1-49744
- Arson, A.G.**, Golovachev, V.A. Voltage for appearance of partial discharges in multilayer windings of SF<sub>6</sub> transformers 1-35230
- Artamonov, A.V.** see Abil'slitov, G.A. 1-37083
- Artemkin, V.P.** see Gavrilenko, I.F. 1-40005
- Artemov, A.D.** see Ageyev, A.I. 1-42866
- Arter, N.K.**, Barela, D.A., Pederson, D.J. Reversible DC motor 'H' driver circuit with short circuit and totem pole protection 1-49642
- Arthur, J.W.**, Reekie, H.M., Mavor, J., Cowan, C.F.N. Inherent error correction in analogue CCD adaptive filters 1-45443
- Arthur, J.W.** see Campbell, P.A. 1-48014
- Arthur, J.W.** see Cowan, C.F.N. 1-32321
- Arthur, P.R.** NiCad battery charger 1-31323
- Arthurs, A.M.** see Anderson, N. 1-46822
- Arthurs, E.**, Stuck, B.W. Communication network design analysis 1-29250
- Arthurs, E.**, Stuck, B.W. A teletraffic performance analysis of a digital communications link 1-29449
- Arthurs, E.G.**, Falster, R. Laser processing of semiconductors—an update 1-40479
- Artom, A.** Data communication networks: international situation, problems and future prospects 1-51980
- Artom, A.**, De Micheli, S., Dogliotti Possibility of using the subscriber logs for new services during the transition phase to ISDN [digital communication] 1-29490
- Artom, A.**, De Micheli, S., Dogliotti, R. The possible use of customer loop for new services during the transition from analogue to digital 1-29338
- Artom, A.**, De Micheli, S., Dogliotti, R. The possible use of customer loop for new services during the transition from analogue to digital 1-51990
- Artyushenko, V.G.**, Bochkarev, E.P., Voronina, S.A., Glavin, G.G., Golovanov, V.F., Darvid, T.L., Dianov, E.M., Kormilitsyn, D.V. Thallium halide crystals with low optical losses 1-28421
- Arunkumar, K.A.** Dependence of satellite pulse occurrence on gain band-width of a passively mode-locked laser 1-41132
- Arur, M.G.** see Khosla, K.L. 1-31853

- Arutyunov, V.E., Kadzor, Ch.O., Manafov, A.A., Muratov, B.M., Salae, E.Yu. The system for performance measurements of photodetectors 1-48082
- Arutyunyan, S.G. Analysis of steady-state operating conditions of composite power systems 1-38655
- Arutyunyan, V.M., Petrosyan, S.G. Impact ionization in a variable-gap n-i-p structure 1-32681
- Arutyunyan, V.M., Vul', A.Ya., Petrosyan, S.G., Shmartsev, Yu.V. Some distinctive features of avalanche multiplication in variable-gap semiconductors 1-32600
- Arvay, P. *see* Laday, O. 1-53479
- Arvay, Z. Superconducting magnetic spectrometer in nuclear-structure research 1-52738
- Arvidsson, G. *see* Thylen, L. 1-42583
- Arya, N.S., Goyal, D.P., Jain, S.K., Mozumder, A., Roy, S., Sengupta, P.K., Singh, S. Estimation of energy of the primary particle in hadron-nucleus interactions in emulsion 1-52720
- Arzamastsev, D.A., Lipes, A.V., Gerasimenko, A.A. Using the principal-component method to simulate the loads on a power system when finding the best level of reactive power compensation 1-38656
- Arzbaeher, R., Yurkonis, C., Jenkins, J., Botos, C., Collins, S. P-wave based microprocessor rhythm module as an adjunct to existing computer ECG systems 1-52792
- Arzhanikov, Yu.N., Lebed'ko, E.G., Timofeev, O.P., Yakovlev, A.S. Determining form of signals reflected off complex objects 1-51822
- Arzubi, L., Baier, E., Knott, P., Loehlein, W. High performance, low power voltage doubler 1-39901
- Arzubi, L., Baier, E., Knott, P., Loehlein, W. Boot-strap driver stage 1-40000
- Asa, K. *see* Ishii, Y. 1-36626
- Asaba, S. *see* Suzuyama, T. 1-44428
- Asada, M., Adams, A.R., Stubkjaer, K.E., Sue-matsu, Y., Itaya, Y., Arai, S. The temperature dependence of the threshold current of GaInAsP/InP DH lasers 1-37105
- Asada, M., Itoh, K., Suematsu, Y., Arai, S. Cavity length dependence of differential quantum efficiency of GaInAsP/InP lasers 1-46729
- Asada, M. *see* Arai, S. 1-37109
- Asada, M. *see* Itaya, Y. 1-37108
- Asada, M. *see* Stubkjaer, K. 1-51468
- Asada, Y. *see* Iwasaki, K. 1-28173
- Asahara, S., Odani, M., Ogura, Y., Shirakawa, I., Ozaki, H. A routing system based on a single-router and its wirability 1-45767
- Asahara, S. *see* Utsunomiya, T. 1-30454
- Asahi, H., Kawamura, Y., Ikeda, M., Okamoto, H. Near room temperature CW operation at 1.70  $\mu$ m of MBE grown InGaAs/InP DH lasers 1-28719
- Asahi, H., Kawamura, Y., Ikeda, M., Okamoto, H. Molecular-beam epitaxial growth of InP homoeptaxial layers and their electrical and optical properties 1-45079
- Asahi, H. *see* Kawamura, Y. 1-45081
- Asahina, K. Medical-use CRT display advances medical diagnoses 1-52764
- Asai, H., Sugiyama, K. Liquid phase epitaxial growth of CuGaSe<sub>2</sub> on ZnSe 1-50285
- Asai, K. General purpose high-density chip-components insertion machine achieves versatility 1-39401
- Asai, K., Ishii, Y., Kawasaki, Y., Kurumada, K. P-column gate field effect transistor 1-46158
- Asai, K. *see* Ida, M. 1-36685
- Asai, S. *see* Matsumoto, H. 1-40599, 1-46141
- Asai, S. *see* Mochui, K. 1-40490
- Asaji, K. *see* Baba, H. 1-48283
- Asakawa, K. *see* Urabe, S. 1-36793
- Asakawa, S., Sugiyama, F. A compact spectrum constant envelope digital phase modulation 1-47099
- Asakura, T. *see* Aoyama, K. 1-47769
- Asakura, T. *see* Takai, N. 1-37242
- Asakura, T. *see* Tedjojuwono, K. 1-42750
- Asami, T. *see* Hasuike, K. 1-29511
- Asano, C. *see* Yamauchi, T. 1-37238
- Asano, K. *see* Kayanuma, A. 1-29940
- Asano, M. *see* Adachi, T. 1-33772
- Asano, M. *see* Nakatani, Y. 1-33764
- Asano, N., Koizumi, Y. New centralized supervision system for power supply plant 1-29521
- Asano, S. *see* Horikawa, S. 1-29721
- Asano, T. On the trunk division methods in the channel routing style 1-47278
- Asano, T., Atanassov, R.D., Ishiwara, H., Furukawa, S. Formation of thick, thermally-stable high-resistivity-layers in GaAs by oxygen ion implantation 1-40502
- Asano, T., Ueda, S., Yamamoto, T. Kanji data terminal equipments 1-41969
- Asano, Y. *see* Saito, Y. 1-32433
- Asano, Y. *see* Yoshioka, K. 1-37849
- Asanov, N.Kh. Single microcircuit converters converting voltage into pulse repetition period 1-27577
- Asanuma, N., Fujita, M. Optical components for video discs entering era of practical application 1-42441
- Asari, S. DC transmission for FM tuner 1-34132
- Asatani, K. *see* Sato, K.-I. 1-47678
- Asbeck, P.M. *see* Zucca, R. 1-28123
- Asbery, J.H. Avoiding tone breaks between adjacent notes 1-42473
- Ascher, U., Christiansen, J., Russell, R.D. Collocation software for boundary-value ODEs 1-39676
- Ascher, U., Russell, R.D. Reformulation of boundary value problems into standard form 1-35911
- Aschmoneit, E.-K. Automatic distance warning for the car driver 1-35485
- Asdente, M., Ricca, A.M. AC losses in Nb<sub>3</sub>Al-Nb layered multifilamentary wires 1-28296
- Aseev, A.G. *see* Pliskin, Yu.S. 1-52456
- Aseev, G.G. Design features of grounding systems for industrial plants in the far-North regions 1-49176
- Asenov, S., Ruskov, T., Tomov, T., Spirov, I. A Mossbauer furnace with a rotating sample-holder 1-30387
- Asghar, S.M. *see* Clark, A.P. 1-37512
- Ash, E.A. *see* Ameri, S. 1-34372
- Ash, E.A. *see* Durr, W. 1-38620
- Ash, G.S. *see* Allen, T.H. 1-40881
- Ashburn, P., Soerowirdjo, B. Arsenic profiles in bipolar transistors with polysilicon emitters 1-36604
- Ashby, V.J. *see* Hammons, S.W. 1-52892
- Asher, J.A., Bast, J.A., Mazandarany, F.N. Advanced battery development at General Electric 1-31407
- Asher, P.G. *see* Chang, K. 1-40538
- Ashida, S. *see* Ito, Y. 1-32945
- Ashikyan, N.M., Torosyan, M.T. Experience in operation of standard electric equipment on the Armenian main energy administration system under high-mountain conditions 1-34757
- Ashiya, F. Discussion on applicability of edge capacitance correction for cylindrical electrodes 1-40250
- Ashiya, F., Furukawa, S., Negishi, Y. Loss increase of submarine coaxial cable due to oxidation of conductor surface 1-52042
- Ashiya, F., Furukawa, S., Negishi, Y., Kojima, N. General expressions for attenuation-characteristics of submarine coaxial cables at high frequency 1-33913
- Ashiya, F., Furukawa, S., Negishi, Y., Kojima, N. Effect of jacket materials on attenuation loss aging effect of submarine coaxial cable 1-42150
- Ashiya, F. *see* Furukawa, S. 1-47517
- Ashiya, F. *see* Negishi, Y. 1-52041
- Ashkenazi, L.E. *see* Curtis, T.H. 1-47626
- Ashkin, A., Dziedzic, J.M., Stolen, R.H. Outer diameter measurement of low birefringence optical fibers by a new resonant backscatter technique 1-46487
- Ashkin, A. *see* Dziedzic, J.M. 1-33267
- Ashkin, M. A theoretical analysis of finite-length electromagnetic shields of superconducting turbine generators 1-31175
- Ashkin, M. A theoretical analysis of finite-length electromagnetic shields of superconducting turbine generators 1-38960
- Ashkin, M. *see* Fredrickson, H.P. 1-28309
- Ashkin, M. *see* Koronides, A.G. 1-44066
- Ashley, C.L., Cases, M., Moore, V.S., Thomas, N.G. Dynamic regulation subroutine for a microprocessor-controlled switching power supply 1-36077
- Ashley, C.L., Moore, V.S. Digital voltage regulator for switching power supplies 1-36078
- Ashley, J.R. The ASSP sound reinforcement systems 1-42493
- Ashley, J.R. *see* Cascino, G.M. 1-42477
- Ashley, P.R., Poulsen, P.D. Wire burr and thickness detection unit for superconductive braided cable 1-30759
- Ashmontas, S., Olekas, A. Thermo-EMF and diffusion of hot electrons at a metal-semiconductor contact with a Schottky barrier 1-36527
- Ashmore, B. *see* Kang, S.D. 1-27472
- Ashok, S., Fonash, S.J., Singh, R., Wiley, P. On resolving the anomaly of indium-tin oxide silicon junctions 1-45979
- Ashok, S. *see* Kardauskas, M.J. 1-45982
- Ashok, S. *see* Ruths, P.F. 1-52442
- Ashok Singh *see* Vardeman, S. 1-35772
- Ashraf Syed Javed *see* Syed Javed Ashraf
- Ashton, C.R.W. Modification adds versatility to Electronic Keyer 1-40267
- Ashton, J.E.U., Gibb, R.M., Eales, B.A. Semiconductor CW laser packages with full hermeticity integral power monitoring and direct fibre optic launching 1-28722
- Asimakopoulou, D.N. *see* Mousley, T.J. 1-34379
- Ask, P., Carlsson, P., Ake Oberg, P., Pettersson, H., Torngren, P., Tibbling, L. Feedback system for control of abdominal compression in oesophageal investigations 1-43272
- Ask, P., Edwall, G., Tibbling, L. Combined pH and pressure measurement device for oesophageal investigations 1-43283
- Askar, M., Derin, H. Optimal Bayes smoothing with uncertain observations 1-33471
- Askar, M., Derin, H. A recursive algorithm for the Bayes solution of the smoothing problem 1-33602
- Askenazy, S. *see* Zdanowicz, W. 1-45953
- Askerov, I.M. *see* Bagirzade, E.F. 1-46615
- Asman, B., Berglund, R.E.S., Carlson, P.J., Jon-and, K. A fast scintillator module with uniform response 1-52675
- Asmus, J.F. *see* Brannon, J.H. 1-28792
- Asnis, A.E., Pokladii, V.R., Yarmachkov, A.V. Welding with a double electrode in CO<sub>2</sub> and in a CO<sub>2</sub>+O<sub>2</sub> mixture at a speed of up to 150m/hr 1-44533
- Aso, S. *see* Nagoshi, H. 1-43353
- Aspin, G.J. *see* White, I.H. 1-46734
- Aspinall, J.D. Intrinsic safety and the SAA standards 1-39346
- Aspishchev, G.M., L'vov, G.V., Marchenko, Ya.E., Rodionova, N.V. An 'analog-frequency-phase converter for controlling thyristor converters 1-31324
- Aspnes, D.E., Schwartz, G.P., Gualtieri, G.J., Studna, A.A., Schwartz, B. Optical properties of GaAs and its electrochemically grown anodic oxide from 1.5 to 6.0 eV 1-32711
- Aspnes, J., Merritt, R.P., Akasofu, S.-I. Harmonic generation in transformers related to DC excitation and system loading 1-39027
- Aspnes, J.D., Merritt, R.P., Akasofu, S.-I. Harmonic generation in transformers related to DC excitation and system loading 1-39038
- Asraph Ali, K.S., Pratapa Reddy, V.C.V. TMR crystal controlled clock 1-36216
- Assal, F.T., Betaharon, K., Zaghloul, A.I., Gupta, R. Wideband microwave switch matrix for SS-TDMA systems 1-47647
- Assens, R., Joubert, T., Martin, M. A promising tool for reliable software design 1-29563
- Asseo, S.J. Detection of target multiplicity using monopulse quadrature angle 1-33998
- Asseo, S.J., Ardila, R.J. Generalized target state estimator design and evaluation 1-51850
- Asset, R. Electric monorails 1-53823
- Assimacopoulos, A., Baud, R., Rivollet, R., Scherrer, J.R. A computer station for the ward-unit adapted to routine work as well as to the permanent support and training of users 1-41980
- Assmus, U. Microprocessor for the supervision of time division multiplex equipment 1-33868
- Astabatyan, R.A., Grigoryan, K.R., Lorkyan, M.P., Markaryan, K.Zh. Detector of transition radiation 1-30321
- Astabatyan, R.A., Lorkyan, M.P., Manukyan, G.A., Markaryan, K.Zh. A method for separation of local and spatially distributed ionizations 1-52683
- Astaf'ev, A.Yu. *see* Rod'kin, D.I. 1-31318
- Astafieva, T.B., Bychkov, R.M. Modified method of determining fibre diameter from an interference pattern 1-40885
- Astakhov, Yu.I. *see* Zarochentsev, G.G. 1-43917
- Astardzhian, G.B. *see* Khristov, H.R. 1-34060
- Astardzhian, G.B. *see* Khristov, H.R. 1-34215
- Astashevskaya, T.S. Computer design of transformer displacement converters 1-31299
- Astbury, A. Calorimeter facilities 1-43217
- Asten, L.D. Testing technology peps up middle-aged central office 1-37830
- Astheimer, A. Speech synthesis in LPC-technique 1-41525
- Astier, A.B.P. *see* Chollet, G.F. 1-41575
- Astier, R. *see* Migus, A. 1-28678
- Astle, B. Broadband frequency tripler 1-27585
- Aston, G., Wilbur, P.J. Ion extraction from a plasma 1-48561
- Astrop, A. Laser know-how is kept in this country [Great Britain] 1-28823
- Astuskeskus, S. *see* Neuvonen, D.I. 1-39366
- Astvatsaturyan, E.R., Lonyushkov, S.A., Chumakov, A.I. Calculating the pickup in electronic apparatus caused by weak quasi-steady-state electromagnetic fields 1-41255
- Astvatsaturyan, E.R. *see* Arkhipov, V.I. 1-36451
- Ata-Doss, S. Abu el Ata-Doss, S.
- Atac, M. Gas-ionization sampling calorimeters 1-34440
- Atac, M., Hanssen, D., Jensen, H., Tollestrup, A., Urish, J., Kennett, R.G., Walker, R., Nodulman, L. A gas ionization sampling electromagnetic shower detector 1-34442
- Atal, B.S., Remde, J.R. Split-band APC system for low bit-rate encoding of speech 1-41555
- Atal, B.S. *see* Schroeder, M.R. 1-37460
- Atanasiv, N. The shape optimization of the ultrasonic concentrations 1-43466
- Atanasov, P.A., Petrova, M.D., Grodel, M. Effect of peaking capacitor on the discharge characteristics and output parameters of TE CO<sub>2</sub> lasers 1-33184
- Atanassov, R.D. *see* Asano, T. 1-40502
- Atchison, F. Theoretical study of a target reflector and moderator assembly for SNS 1-48566
- Atchison, W.L. *see* Fessenden, T.J. 1-48557
- Atef, K.H. A model of the signal source and probability-density function for a series of impulses 1-41451

- Atekum, T.M. *van see* van Atekum, T.M.  
 Atenasio, B.A. *see* Lucas, M.S. 1-47922  
 Atencio, L.G., Amann, J.F., Boudrie, R.L., Morris, C.L. Delay-line readout drift chambers 1-52677  
 Athale, R.A., Barr, H.S., Lee, S.H., Bartholomew, B.J. Digital optical processing 1-41815  
 Athale, R.A., Lee, S.H. Bistability and thresholding by a new photoconductor-twisted nematic liquid crystal device with optical feedback 1-33089  
 Athanasia, I. *see* Zervos, C. 1-36171  
 Athani, V.V. Multi-point temperature monitor-logger 1-42562  
 Athani, V.V., Khurana, S.K. Optimal design of a variable reluctance stepping motor 1-49525  
 Athar Khan, A. *see* Kohli, D.R. 1-44401  
 Athay, T.M., Sun, D.I. An improved energy function for transient stability analysis 1-53032  
 Athenes, C. *see* Charransol, P. 1-29567, 1-37815  
 Atherton, D.L. A magnetic circuit analysis of the iron-cored homopolar linear synchronous motor 1-38969  
 Atherton, D.L., Sponagle, N.C. Oval test coil for examining mechanical effects in superconducting coils 1-28365  
 Atherton, J. *see* Schoggen, W.O. 1-42225  
 Athnos, T.T. *see* Roth, D.R. 1-31791, 1-39303  
 Atia, A. *see* Bonetti, R. 1-45616  
 Atia, A.E. *see* Bonetti, R.R. 1-27600  
 Atiq, M.T. *see* Nazar, F.M. 1-40755, 1-46005  
 Atiya, F.S., Soliman, A.M., Saadawi, T.N. Universal second-order filter uses single op-amp 1-27515  
 Atkins, D.E., Liu, W., Ong, S. Overview of an arithmetic design system 1-45421  
 Atkins, W.J., Jr. *see* Ransom, P.L. 1-42566  
 Atkinson, A.C. Two graphical displays for outlying and influential observations in regression 1-35735  
 Atkinson, C., Thompson, M.E. Analysis of two parallel queues with common exit service and infinite queue size 1-26980  
 Atkinson, C.S. Network diagnostics and telecommunications management 1-33732  
 Atkinson, D.A. A Bayesian analysis of surveillance attribute data 1-29793  
 Atkinson, G.D., Dixon, G.F.L. Dealing with faults and supply interruptions on low-voltage cable networks 1-49199  
 Atkinson, P.J., Fleming, R.J. Thermally stimulated conductivity in electron irradiated FEP-Teflon 1-32103  
 Atlas, P. ROM speeds programmable timer to 18 MHz 1-40146  
 Atlung, S., West, K., Jacobsen, T. Dynamic considerations in the design of batteries with intercalation cathodes 1-44348  
 Atluri, S.N. *see* Murakawa, H. 1-39678  
 Atsuki, K. *see* Yamashita, E. 1-40206  
 Attaie, N., El-Masry, E.I. Synthesis of switched-capacitor filters in the multiple-input follow-the-leader feedback topology 1-45507  
 Attal, J. *see* Cambon, G. 1-28203  
 Attal, J. *see* Saurel, J.M. 1-32925  
 Attard, A.C. *see* Baird, J.M. 1-45866  
 Attard, A.E., Heffner, B.L. Diffraction of light by acoustic waves on a membrane 1-36988  
 Atteo, E., Salvetti, G., Solimeno, S. Electrical characteristics of a transversely pulse-initiated hydrogen fluoride laser 1-28624  
 Attfield, E. *see* Sakauye, G. 1-46333  
 Attridge, E. Combined analog/digital testing of line cards and associated components 1-47478  
 Attrill, I.M. Medium and short wave radio 1-34066  
 Attrill, I.M. Telephone charge reminder 1-47447  
 Attwood, C.F. *see* Stewart, R.T. 1-37987  
 Atwater, H.A., Sudbury, R.W. Use of switching Q in the design of FET microwave switches 1-45692  
 Atwood, B.C. Gated Schottky barrier diode 1-46095  
 Atzeni, C. *see* Manes, G.F. 1-36800  
 Atzeni, C. *see* Tortoli, P. 1-37539  
 Au, A.M.K. *see* Hughes, J.F. 1-40749  
 Au Kong Jin *see* Jin Au Kong  
 Aubert, D. The measurement of very low frequencies 1-30227  
 Aubert, J., Bliman, S., Chan-tung, N., Geller, R., Jacquot, B., van Houtte, D. Charge transfer cross sections of argon ions colliding with argon atoms 1-38397  
 Aubert, J., Lejeune, C., Nagues, P. Experimental analysis of the correlations between the beam-plasma interface and the beam emittance of a duoplasmatron 1-38409  
 Aubert, J.J. *see* Declais, Y. 1-30359  
 Aubert, J.J. *see* Murthy, M.R.L.N. 1-35935  
 Aubin, C., Houdret, C., Mailfert, R., Pargamin, L. Natural and artificial weathering of EPDM compounds used in outdoor high voltage insulation 1-53121  
 Aubourg, M., Villotte, J.P., Codon, F., Garault, Y. Analysis of microstrip line on semiconductor substrate 1-47002  
 Aubourg, P., Bettini, J.P., Agrawal, G.P., Cottin, P., Guerin, D., Meunier, O., Boulnois, J.L. Doppler-free continuous-wave phase-conjugate spectrum of SF<sub>6</sub> by resonant degenerate four-wave mixing at 10.6  $\mu$ m 1-51522  
 Auckland, D.W., Cooper, R., Sanghera, J. Photographic investigation of formative stage of electric breakdown in diverging fields 1-28155  
 Audegean, B., Mionet, H. 12 MHz telephone and television transmission system 1-47512  
 Audoin, C. *see* Lesage, P. 1-51295  
 Audoin, C. *see* Petit, P. 1-29962  
 Audrix, J.-C. *see* Charransol, P. 1-37815  
 Auer, W. Transformers in communications transmission systems using overhead cables and power lines of electricity supply undertakings 1-42155  
 Auerbach, D. *see* Kleber, W. 1-44545  
 Auerbach, L. The distinction between carriage and content [telecommunication legislation] 1-29302  
 Aufhaus, H. *see* von der Schmitt, H. 1-48320  
 Auge, J. *see* Caudras, C.M. 1-35774  
 Augelli, V., Piccolo, R., Rizzo, A., Vasaneli, L. Study of the photomagnetolectric and photoconductivity effects with numerical methods, for any injection level, in gallium selenide 1-46617  
 Augerat, J. *see* Alard, J.P. 1-52717  
 Augustin, J.E., Busetto, G., Capon, G., Cosme, G., Dudelzak, B., Eschstruth, P., Fulda, F., Grelaud, B., Grosdidier, G., Jean-Marie, B., Julian, S., Lalanne, D., Lepeltier, V., Parrou, G., Paulot, C., Riskalla, R., Roy, Ph., Rumpf, F., Szklarz, G. DM2, a magnetic detector for the Orsay Storage Ring DCI 1-43230  
 Augustiniak, W.M. *see* Auston, D.H. 1-28586  
 Augusty-Niak, A.M. *see* Smith, P.R. 1-51283  
 Augustyniak, W. *see* Boccaccio, P. 1-38426  
 Augustyniak, W.M. *see* van der Ziel, J.P. 1-51443  
 Auinger, H. Effects of frequency converter supply on electric rotating-field machines, with special reference to squirrel-cage induction motors 1-39148  
 Aulaskari, R. On F<sub>0</sub>-normality and additive automorphic functions of the first kind 1-31922  
 Auld, B.A., Ayter, S., Tan, M., Hauden, D. Filter detection of phase-modulated laser probe signals 1-52575  
 Aulich, H., Kinshofer, G., Liertz, H., Oestreich, U. Complete description of fiber strength distribution using lower and upper strength thresholds 1-28457  
 Aulich, H. *see* Bose, D. 1-51204  
 Aulin, T. Error probability bounds for Viterbi detected continuous phase modulated signals 1-37576  
 Aulin, T. Characteristics of a digital mobile radio channel 1-42195  
 Aulin, T., Lindell, G., Sundberg, C.-E. Selecting smoothing pulses for partial-response digital FM 1-47106  
 Aulin, T., Rydbeck, N., Sundberg, C.-E.W. Continuous phase modulation. II. Partial response signaling 1-29064  
 Aulin, T., Sundberg, C.-E. Minimum distance and bandwidth of M-ary multi-h continuous phase modulated signals 1-33443  
 Aulin, T., Sundberg, C.-E.W. Continuous phase modulation. I. Full response signaling 1-29063  
 Aulin, T. *see* Anderson, J.B. 1-29062, 1-33527  
 Aull, D.W., Spies, D.A., Davis, P.C., Moyer, S.F. A 60 V IC for a transformerless trunk and subscriber line interface 1-33873  
 Aull, D.W., Spies, D.A., Davis, P.C., Moyer, S.F. A high-voltage IC for a transformerless trunk and subscriber line interface 1-52001  
 Aulombard, R.L. *see* Porowski, S. 1-32639  
 Aumasson, C. *see* Cottillon, T. 1-38551  
 Aumiller, B. *see* Vowinkel, B. 1-42620  
 Aune, B., Juillard, M., Letonturier, P., Mosnier, A. Upgrading the energy of the Saclay electron linac 1-48429  
 Aura, M. *see* Kuusisto, S. 1-29402  
 Auray, J.P., Duru, G., Mougeot, M. A problem of classification on a set endowed with a poor structure 1-44907  
 Auret, F.D. *see* Lutsch, A.G.K. 1-39551  
 Auschwitz, B., Eichler, H.J., Wittwer, W. Operating conditions of the slotted hollow cathode UV Cu<sup>+</sup> laser 1-33179  
 Ausfeld, A.R. Spread spectrum return signalling system for power supply networks 1-30652  
 Auslender, A. On the differential properties of the support function of the e-subdifferential of a convex function 1-39608  
 Auslender, A.L., Vishnyakov, G.N., Levin, G.G. Solution of Radon's integral equation in an optical processor 1-41809  
 Austgen, P., Watry, W., Karin, M. Software-based design automates scope operations 1-30154  
 Austin, B., Billinge, R., Brown, R., Carron, G., Johnson, C., Jones, E., Koziol, H., Leemann, C., Sherwood, T.R., van der Meer, S., Wilson, E.J.N. Beam optics studies on the antiproton accumulator 1-42891  
 Austin, D. 600 ohm floating source 1-50423  
 Austin, I.G. *see* Turner, D.P. 1-45108  
 Austin, L.M., Ghandforoush, P., Hanna, M.E. Advanced starts in a primal-dual cutting plane algorithm for all-integer programming 1-35862  
 Austin, M.C., Chang, M.U. Quadrature overlapped raised-cosine modulation 1-29066  
 Auston, D.H., Smith, P.R., Johnson, A.M., Augustiniak, W.M., Bean, J.C., Fraser, D.B. Recent advances in picosecond optoelectronics 1-28586  
 Auston, D.H. *see* Johnson, A.M. 1-33123, 1-46607, 1-46621  
 Auston, D.H. *see* Smith, P.R. 1-30131, 1-51283  
 Autin, B. Simultaneous correction of chromaticity and orbit dispersion in a strong focusing machine 1-48502  
 Autin, B., Bellanger, A., Billinge, R., Brown, R., Johnson, C.D., Jones, E., Sherwood, R., Umstatter, H.H. Multipole fields in the Antiproton Accumulator magnet system 1-52643  
 Auton, J.R., Van Blaricum, M.L. A preprocessing technique for identification of scatterer resonances from measured transient response [radar] 1-52136  
 Autronica, M. *see* Borroni, M. 1-31618  
 Autry, R.G. *see* Kreutel, R.W. 1-29671  
 Auvert, G., Bensahel, D., Georges, A., Nguyen, V.T., Henoc, P., Morin, F., Coissard, P. Influence of CW laser scan speed in solid-phase crystallization of amorphous Si film on Si<sub>3</sub>N<sub>4</sub>/glass substrate 1-32050  
 Auxier, J.A. Health effects of low-level radiation 1-48765  
 AuYeung, J. Picosecond optical pulse generation at gigahertz rates by direct modulation of a semiconductor laser 1-28708  
 AuYeung, J., Johnston, A.R. Picosecond optical pulse generation at gigahertz rates by direct modulation of a semiconductor laser 1-41109  
 Auza, V.Ya., Ustinov, N.N. Decrease of eddy current losses during a steady motion of an electromagnet 1-49742  
 Auzel, F.E. Processes in heavily doped rare-earth materials and their applications to optoelectronic devices 1-51293  
 Auzolle, R., Kircher, F., Penicaud, J.P. A Panofsky-type superconducting quadrupole with a very high gradient homogeneity 1-43102  
 Auzolle, R., Perot, J., Bazin, C. A superconducting undulator for synchrotron radiation light 1-30297  
 Av-Ron, M., Brown, D.K., Shatzkes, M. Diode protection against interlevel polysilicon shorts 1-50974  
 Av-Ron, M., Shatzkes, M., DiStefano, T.H., Gdula, R.A. Electron tunneling at Al-SiO<sub>2</sub> interfaces 1-40466  
 Av-Ron, M. *see* Shatzkes, M. 1-40636  
 Avad Makhmud Mustafa Ali *see* Polnitskii, K.A. 1-31174  
 Avadhanlu, T.V., Saxena, R.B. Cost optimized design of variable speed inverter-fed cage rotor induction motor 1-53462  
 Avadhanlu, T.V., Saxena, R.B. Performance evaluation and redesign aspects of variable speed inverter-fed induction motor 1-53463  
 Avalos, J.Z. *see* Abadia, V. 1-32443  
 Avam, M. *see* Jousset, J. 1-52723  
 Avant, R.L., Lee, F.C., Chen, D.Y. A practical SCR model for computer aided analysis of AC resonant charging circuits 1-50375  
 Avanzi, F. Aspects and problems of maintainability 1-39360  
 Avaritsiotis, J.N., Howson, R.P. Fluorine doping of In<sub>2</sub>O<sub>3</sub> films employing ion-plating technique. [Optical and electronic properties] 1-50323  
 Avazian, J.F., Bailey, I.L., Hardardt, A.T., Lapo, R.B., Mele, P.J. Piston/spring transfer device and carrier 1-50017  
 Avazian, J.F., Cook, L.G., Lapo, R.B., Shariff, R.S., Walsh, T.J. Quick disconnect/locking/locating stud 1-49999  
 Avenirov, A.K., Bondarevskii, S.I., Eremin, V.V., Irkaev, S.M., Sokolov, M.M. Proportional resonance detector from Mossbauer studies on <sup>119</sup>Sn 1-52709  
 Avera, H.Q. Remote sensing analysis instrumentation 1-48905  
 Averbakh, Y.A., Bonesko, V.A., Sheshelovskii, M.L., Kosinov, Y.P. The use of condensing turbine plants for district heating 1-35057  
 Averbakh, Y.A.A., Bonesko, V.A., Itskovskii, A.A., Kosinov, Y.P., Naimanov, O.S. Special features of equipment of geothermal power stations 1-31067  
 Averin, A.N. *see* Rogozin, V.V. 1-41282  
 Averous, M., Calas, J., Charar, S., Fau, C., Raymond, A. Experimental evidence of the resonant acceptor level E<sub>2</sub> in Hg<sub>0.82</sub>Cd<sub>0.18</sub>Te from Hall and SdH measurements vs. T, B, P on various annealed samples 1-27805

- Avery, R., Elioff, T., Grunder, H., Kennedy, K., Meneghetti, J., Aita, R., Barale, J., Batson, P., Bercovitz, J., Caylor, R., Chambers, M., Chin, J., Crebbin, K., Edwards, R., Fong, E., Glicksman, A., Henderson, T., Humphries, D., Hunt, D., Lake, A., Lax, J., Masana, A., MacDonnell, F., MacKenzie, R., Morris, D., Nakae, T., Ohnen, D., Richter, R., Rothfuss, D., Ryce, S., Shine, S., Syversrud, D., Voelker, F., White, G., Wilde, S., Wilson, W. Improving the bevaron vacuum to  $10^{-10}$  torr [using cryogenic pumping] 1-42826
- Avery, R.G. Escape lighting 1-44472
- Avery, W. see Balko, E.N. 1-49662
- Avery, W.H. see Dugger, G.L. 1-31115
- Aver'yanov, G.A. see Gavrilenko, I.F. 1-40005
- Averyanov, O.I. Modular designs of NC machining centres 1-39238
- Avezov, R.R., Babakulov, K.B. On the distribution of temperature and heat transfer through the thickness of a receiver-wall combined with a heat accumulator 1-48252
- Avgeris, T.G. see Tzannes, N.S. 1-41466
- Avijit Gupta see Walker, L.N. 1-30613
- Avilov-Karnaikhov, B.N., Gordeev, V.I., Dmitrieva, E.N., Platonov, V.V. Calculating electric loads of contact network feeders and traction substations at open-cast mine workings 1-43629
- Avizienis, A. see Mangir, T.E. 1-32867
- Avizonis, P. see Rogovin, D. 1-37054
- Avlund, M. Testing of gas detectors 1-34247
- Avni, M., Bhargava, V.K. On improving the bit error rate of various modulation systems by block coding 1-29119
- Avram, E. see Popovici, C. 1-32533
- Avramchenko, P.F. see Shovkoplyas, V.M. 1-44536
- Avramenko, V.N. Development of procedure for calculating electromechanical transient processes in complex electric power systems 1-43571
- Avramovic, B. see Winkelman, J.R. 1-34770
- Avrutskii, V.A., Naimark, G.V. Spiral generator design 1-39980
- Avrutskii, V.A., Naimark, G.V. Design of a spiral generator 1-44035
- Avvakumova, L.A. see Bodyachevskii, S.V. 1-31871
- Awad, S., Guerin, B. Programmable sine generator is linearly controlled 1-45312
- Awadalla, K.H. Direction diversity in mobile communications 1-47020
- Awai, I., Itoh, T. Coupled-mode theory analysis of distributed nonreciprocal devices 1-45623
- Awai, I. see Nakajima, M. 1-51213
- Awai, I. see Onodera, H. 1-40969, 1-46581
- Awaka, J. see Furuhama, Y. 1-33333
- Awoyama, K., Wakabayashi, T., Kuwabara, K., Asakura, T., Kobayashi, N. 1000 kW medium wave broadcast transmitter 1-47769
- Aws, A.A. see Krikor, K.S. 1-35199
- Axel, P., Cardman, L.S., Daniel, R.A., Hanson, A.O., Hoffswell, R.A., Jamnik, D., Laszewski, R.M., Sutton, D.C., Vetter, A.M. Plans for a two stage 450 MeV cascade microtron 1-42900
- Axelrod, J., Sands, D.A., Akselrod, B. Homing Overlay Experiment (HOE) Sensor/Honeywell test facility command and data acquisition system 1-52477
- Axelsson, K. Field service: the emulator—all in one. [test modules] 1-38090
- Axelsson, S.R.J. On optimum algorithms for imaging tracking systems 1-33656
- Axer, W., Kessler, A. Teletex traffic via PBXs 1-47351
- Axson, M.J. Computers in radio. II 1-47529
- Ayai, N. see Hagihara, T. 1-40991
- Ayala, I.L. A simplified adaptive lattice algorithm for recursive filters 1-37554
- Ayala, I.L., Orton, D.A., Elliott, D.F. An algorithm for a moving target tracker using feature matching 1-37971
- Ayala, I.L. see Elliott, D.F. 1-37640, 1-37663
- Ayasli, Y., Vorhaus, J.L., Mozzi, R., Reynolds, L. Monolithic GaAs travelling-wave amplifier 1-36342
- Ayazyan, R.E., Grekhov, I.V., Shenderei, S.V. Dynamics of an electric field in the base layers of a p-n-p-n structure turned off by the gate current 1-36510
- Aycoberry, C. The present and future of recycling in France 1-49236
- Aydin, K. see Hizal, A. 1-51675
- Ayers, D.L., White, D., Wright, T., Settembrini, R.C. Development of a low noise FOA transformer cooler. I. Fan and heat exchanger design 1-44157
- Ayliffe, P.J. see Crossland, W.A. 1-52545, 1-52548
- Aylor, J.H. see Thacker, J.G. 1-30398
- Aylott, Bertay, Fikus, Geeraert, Macor, Pautz, Saulo Energy economy and heat recovery in electrothermal processes 1-49822
- Aylward, M.J. see Gelsthorpe, R.V. 1-41417
- Ayman Shibib, M., Fossum, J.G. Limitations on the open-circuit voltage imposed by  $P^+$  and  $N^+$  regions in silicon solar cells 1-39124
- Ayman Shibib, M. see Fossum, J.G. 1-50915
- Ayoub, F. Encryption with keyed random permutations 1-51772
- Ayres Neto, J.B. De M. see Sunak, H.R.D. 1-28472
- Ayter, S. see Auld, B.A. 1-52575
- Ayuso, A.J.R. A note on a new Walsh transformation method for delta modulated functions 1-47134
- Azarenkov, N.A., Vorob'ev, V.M., Kondratenko, A.N. Scattering of electromagnetic waves by proper waves in a semiinfinite plasma 1-37320
- Azarm, A., McLagan, G., Husseiny, A., Metwally, M. Assessment of diesel generator reliability in light-water reactors 1-31062
- Azimi Sadjadi, M.R., King, R.A. Truncation error in 2-D block mode filtering 1-29150
- Azimi-Garakani, D., Shahbazi, M., Latifi, G. A new automatic spark counting system 1-30346
- Azimov, E.L., Kurkov, I.N. Operational amplifiers in line scan generators for transmitting cameras 1-36442
- Azimov, R.K., Ismatullaev, P.R., Zamov, A.A. Thermal primary transducer for measuring the moisture content of bulk materials 1-34261
- Azimov, S.A., Mirsagatov, Sh.A., Akhmedov, R., Rasulov, D.T. Film photoconverters based on  $ZnCd_{1-x}S$  solid solutions 1-53617
- Azizi, A. Simulation of microwave bipolar transistors in class C 1-40558
- Azizi, C., Graffeul, J., Rossel, P. GaAs Schottky barrier field effect transistor: analysis and mathematical model for forward biased gate 1-40607
- Azizi, S.A. Measurement applications of the Fast Fourier transform. I. Discrete Fourier transform 1-30829
- Azizi, S.A. Technical test application of the fast fourier transform (FFT). III. Description of an application 1-39727
- Azizi Ghanad, G. see Faucher, J. 1-53415
- Azizi Seyed Ali see Seyed Ali Azizi
- Azizov, K.A. see Bakhadyrkhanov, M.K. 1-37012
- Azizov, T.Kh. see Abdullaev, G.B. 1-32723
- Azouit, M., Vernin, J. Remote investigation of tropospheric turbulence by two-dimensional analysis of stellar scintillation 1-38584
- Azoulay, E. see Tamir, M. 1-28757
- Azoulay, J. Soft X-ray sources 1-34528
- Azoury, S.J. see Senturia, S.D. 1-50799
- Azelos, G. see Hargrove, C.K. 1-43237
- Azuma, K. Application of laser-holography vibration analysis to record players 1-34136
- Azuma, K. see Nakagawa, T. 1-34134
- Azuma, M., Kurata, M., Ohashi, H. Design considerations for high power GTOs 1-40571
- Azuma, M. see Jinzenji, T. 1-44434
- Azuma, T. see Saito, K. 1-49010
- Azzalini, A. A note on the estimation of a distribution function and quantiles by a kernel method 1-35762
- Azzam, A. First boundary value problem for elliptic equations on rectangular regions 1-44785
- Azzam, A., Kreyszig, E. On the mixed boundary value problem for elliptic equations in n-dimensional regions with corners 1-32026
- Ba Bakary see Bakary Ba
- Baack, C., Elze, G. Problems in optical broadband transmission systems 1-29770
- Baack, C., Elze, G., Enning, B., Heydt, G., Wolf, G., Wenke, G. Optical transmission of 16 digitised TV channels over 21 km fibre at a bit rate of 1.12 Gbit/s 1-47809
- Baack, C. see Albrecht, W. 1-52106
- Baack, C. see Krick, W. 1-47660
- Baartman, R., Beveridge, J., Blackmore, E.W., Craddock, M.K., Dohan, D., Doornbos, J., Dutto, G., Erdman, K.L., Kost, C.J., Laxdal, R., Macdonald, J.A., Mackenzie, G.H., Schmor, P.W., Vincent, J.S. Beam developments at TRIUMF 1-48338
- Baba, H., Sato, H., Matsumoto, S., Kubo, T., Kitagawa, K., Asaji, K., Kabe, A. Improved dynamic filters for the main ring magnet power supply of the KEK 12 GeV PS 1-48283
- Baba, H. see Shimura, M. 1-37007
- Baba, J. see Takagi, T. 1-30826, 1-34963
- Baba, K. see Endo, H. 1-29665
- Baba, N. Convergence of a random optimization method for constrained optimization problems 1-39619
- Baba, N., Kanaya, K. Correction of the distorted spot shape of a deflected electron probe by means of an eight-pole deflection system 1-46838
- Baba, N. see Yuuki, H. 1-33364
- Baba, S., Yamada, I. Programmable oscilloscope 1-42658
- Babae, M.M. see Gasymov, T.M. 1-32597
- Babae, R.S. see Dzjagupov, R.G. 1-52229
- Babakulov, K.B. see Avezov, R.R. 1-48252
- Babanov, I.A., Luk'yanov, L.M. Digital-analog converters with galvanically decoupled output circuits for automatic control systems of thyristor converters 1-27586
- Babcock, B.L., Sarchet, B.R. Is engineering management a profession? 1-31828
- Babcock, D.L., Sarchet, B.R. Is engineering management a profession? 1-49913
- Babcock, R.V., Pack, J.L. Rejuvenating He-Ne lasers. Comment 1-37053
- Babenko, A.I., Dikiy, V.N., Zaytsev, E.F. Noise in scanning phased arrays with random errors 1-47025
- Babic, H.G., Kampa, H. Experience in the shifting of responsibility for quality through introducing operator testing in industrial production 1-31893
- Babich, A.V. see Kotelnikova, A.A. 1-27170
- Babich, L.P., Tarasov, M.D. Mechanism for nanosecond vacuum pulsed discharge 1-50711
- Babich, V.V. see Krivosheev, M.I. 1-47804
- Babichev, A.P., Baranov, V.Yu., Baronov, G.S., Voinov, E.M., Kazakov, S.A., Karchevskii, A.I., Kulikov, S.Yu., Mezhevov, V.S., Starodubtsev, A.I. Pulse-periodic  $CF_4$  laser with circulation of the working gas 1-51380
- Babel, J.J., Zobniw, L.M. Delay-related fault detection using logic test data 1-32268
- Babilya, C. Digital thermometer uses silicon diodes to sense rapid temperature changes 1-30158
- Babin, V.V., Zelenov, V.E., Lipatov, V.S., Starshinov, N.N., Khomskii, I.G., Shapiro, A.L. High-speed DC commutator using electron-beam rectifiers 1-31332
- Babinet, R. see Alard, J.P. 1-52717
- Babkin, G.I., Klyatskin, V.I. Intensity fluctuations of a wave in a one-dimensional randomly inhomogeneous medium. IV. Invariant embedding and probability distribution for intensity 1-51584
- Babkine, E.V. Optimum duration of pulses for the evaluation of vision circuits 1-47801
- Babolian, R., Haynes, G.S., McBride, L.E. Corrosion evaluation of steel clad copper concentric neutrals 1-30747
- Babolian, R., Haynes, G.S., McBride, L.E. Corrosion evaluation of steel clad copper concentric neutrals 1-34884
- Babolian, E., Delves, L.M. A fast Galerkin scheme for linear integro-differential equations 1-45046
- Babotai, I. Heart pacemaker: from simple pulse generator to microprocessor. Computer for the heart 1-38533
- Babu, S.V. see Rao, D.P. 1-53317
- Babuder, R. see Lagostena, L. 1-49057
- Babuskin, G.I. see Egorov, E.P. 1-49406
- Babusiaux, D., Valais, M. Energy modeling and aggregation of refining 1-32005
- Babuska, I., Szabo, B.A., Katz, I.N. The p-version of the finite element method 1-45022
- Baccaglioni, G. see Acerbi, E. 1-42896
- Bacci, C., Bernabei, R., Ceradini, F., d'Angelo, S., Lacava, F., Moricca, M., Paoluzi, L., Salvini, G. A large drift chamber with image read out to localize high energy electromagnetic showers 1-43236
- Bacci, C., Furetta, C., Vasanelli, L. Medical applications of cadmium telluride gamma radiation detectors 1-30405
- Baccigalupi, A. Electrical network simulation by a parallel DDA emulator 1-27084
- Bach, G. see Sander, B. 1-31341
- Bach, H., Frnadsen, A., Larsen, F.H. Pattern prediction for a focused reflector antenna using GTD and near-field to far-field transformations 1-41348
- Bach, R. see Poza, L. 1-49121
- Bach, S., Kasprzyk, A., Ptasinski, L. Investigations of spark discharges from surfaces of charged dielectrics 1-36700
- Bach, T. see Marko, S. 1-48943
- Bachar, S.-T. see Kaplan, B.-Z. 1-45314
- Bachem, A., Grottschel, M. Characterizations of adjacency of faces of polyhedra 1-35847
- Bachem, A., Grottschel, M. Homogenization of polyhedra 1-44897
- Bachem, K.H., Heyen, M. Epitaxial growth of  $Al_xGa_{1-x}As$  in a chloride transport system 1-50298
- Bachem, K.-H. see Veuhoff, E. 1-39785
- Bacher, P., Gery, A., Capel, R. Measures taken by Electricite de France following the incident at Three Mile Island 1-30591
- Bachert, H. The possibilities of influencing the spectral behaviour of injection lasers 1-51477
- Bachmann, K.J. see Menezes, S. 1-36542
- Bachmann, P. Advances in the measurement and evaluation of forces and moments on the rotors of model hydraulic turbomachinery 1-38915
- Bachmann, P. see Ambuhl, H. 1-38929
- Bachmann, P. see Apostol, D. 1-51543, 1-51544
- Bachofen, F. A new range of  $SF_6$  outdoor circuit breakers type HGF 100 1-31370
- Bachrach, R.Z., Krusor, B.S. Morphological defects arising during MBE growth of GaAs 1-45093
- Bachrach, R.Z. see Brillson, L.J. 1-46000
- Bachtin, O. de see de Bachtin, O.

- Bachtold, W.**, Scheel, H.J. Integrated bidirectional fiber-optic repeater 1-47675
- Bacia, H.** Automation of the coal handling system of power stations 1-53260
- Bacigalupi, J.L.** Introduction to single sideband [transmitters] 1-29630
- Bacilieri, P.**, Ghiselli, A., Matteuzzi, P., Masetti, M. A microprogrammed interactive refresh display system which can overlap digital and analogue data with hardware clipping facility 1-38440
- Bacilieri, P.**, Luvisetto, M.L., Masetti, M., Ugolini, E. Automatic analysis of a huge amount of pictures related to a spark chamber experiment of the Milano-Dubna collaboration 1-38441
- Backensto, W.V.**, Viswanathan, C.R. Measurement of interface state characteristics of MOS transistor utilising charge-pumping techniques 1-28022
- Backer, M.** *see* Mulligan, G.A. 1-43609
- Backes, J.L.**, Baron, P.L., Lau, J.A., Vivona, J.W., Jr. Solder removal tool 1-35647
- Backlund, J.** Fracture analysis of notched composites 1-39640
- Backus, C.E.** *see* Chambers, B.C. 1-53686
- Backus, G.E.** Photovoltaic solar cells: concentrating systems 1-49675
- Bacon, D.R.** Properties of a PVDF hydrophone with 100 MHz bandwidth for studying medical, nonlinear and other fields 1-38619
- Bacon, F.** *see* Liu, Y.S. 1-46066
- Bacon, F.M.**, Walko, R.J., Cogwill, D.F., Riedel, A.A. Intense neutron source development for use in cancer therapy 1-38527
- Bacon, F.M.** *see* Walko, R.J. 1-48563
- Baczko, A.** A comparison of optical and microwave telecommunication systems 1-41873
- Badach, A.**, Sobczak, R., Zientalski, M. Telecommunication software problems of nodes in teleinformatic networks with channel switching 1-37822
- Badalec, R.**, Runge, H. Thin silicon films for ion beam monitoring 1-38365
- Badalov, A.Z.** *see* Ismailov, T.K. 1-42623
- Bade, W.G.**, Dales, H.G. Norms and ideals in radical convolution algebras 1-44775
- Bademian, L.** Acousto-optic laser recording 1-33095
- Baden, J.L.** *see* Hardwick, N.E., III 1-33985
- Badertscher, G.**, Salathe, R.P., Weber, H.P. Dynamics of laser crystallization in amorphous Ge films 1-40383
- Badescu-Singureanu, Al.** *see* Ursu, I. 1-49225
- Badics, G.**, Szalmassy, Z., Wilmes, L. Contact properties of thin films on the relaxation semiconductor GaAs:O 1-45998
- Badikov, V.V.**, Matveev, I.N., Panyutin, V.L., Pshenichnikov, S.M., Rozenson, A.E., Skrebneva, S.V., Trotsenko, N.K., Ustinov, N.D. Growth and optical properties of the  $\text{AgGa}_{1-x}\text{In}_x\text{S}_2$  system 1-28423
- Badikov, V.V.**, Matveev, I.N., Pshenichnikov, S.M., Rychik, O.V., Trotsenko, N.K., Ustinov, N.D., Shcherbakov, S.I. Growth and nonlinear properties of  $\text{HgGa}_2\text{S}_4$  1-28422
- Badikov, V.V.** *see* Andreev, S.A. 1-28783
- Badino, G.**, Ghalcotti, P., Periale, L., Saavedra, O., Turtelli, A. The effect of wavelength shifters on water Cherenkov detectors 1-48611
- Badr, A.H.**, Benson, F.A., Rahman, M.M. Current conduction in coaxial cable braids at radio frequencies 1-42724
- Badr, A.H.**, Benson, F.A., Sitch, J.E. Interference between braided coaxial cables 1-41254
- Badrinarayanan, S.** *see* Sainkar, S.R. 1-50629
- Badwal, S.P.S.** *see* McCann, J.F. 1-53595
- Badygin, V.N.** Electrical paper under action of shape-modifying operations 1-32911
- Badziak, J.** The effect of nonlinear losses on the energy extraction from the amplifying medium 1-51319
- Badziak, J.**, Dubicki, A. Controlling the generation process in a laser with multi-stage suppression of losses. I. Theoretical analysis 1-37196
- Badziak, J.**, Dubicki, A., Andrejewska, T. Giant pulse generation in a laser with a two-photon absorbent 1-37198
- Badziak, J.** *see* Antonik, A. 1-37197
- Bae, E.**, Hageler, K. Solar energy and the Norwegian Telecom system 1-33864
- Bae, P.**, Chaari, A., Gaillard, P., Chretien, Jf. Pattern recognition technique for characterization and classification of acoustic emission signal 1-30060
- Baechler, U.** Standardization of electrical equipment in short-distance traction vehicles 1-35424
- Baekmann, A.** *von see* von Baekmann, A.
- Baeger, H.** Liquid crystal displays for automotive applications 1-30210
- Baeggli, H.**, Struby, E., Werder, J. The B'2/B' urban light rail vehicles (LRV) for Cleveland, Ohio, USA 1-35423
- Baer, E.**, Ernst, G., Wurz, D. Effect of wind on the flow within the shell of a natural draught cooling tower 1-30956
- Baer, G.**, Woischlager, M. Power supplies for telex and data switching systems 1-39918
- Baer, H.W.**, Bolton, R.D., Bowman, J.D., Cooper, M.D., Cverna, F.H., Heffner, R.H., Hoffman, C.M., King, N.S.P., Piffaretti, J., Alster, J., Doron, A., Gilad, S., Moinester, M.A., Bevington, P.R., Winkelmann, E. Design, construction and performance of a high-resolution  $\pi^0$  spectrometer for nuclear physics experiments 1-34516
- Baer, J.E.**, Knights, M.G., McCarthy, J.C., Chickliss, E.P., Jensen, H.P. 450-nm operation of XeF-pumped Tm:YLF 1-46720
- Baer, J.E.** *see* Wing, W.F. 1-46717
- Baer, J.W.** *see* Knights, M.G. 1-46719
- Baer, M.** *see* Last, I. 1-41036
- Baer, T.** *see* Rubin, P. 1-51801
- Baeri, P.** *see* Campisano, S.U. 1-32604
- Baeri, P.** *see* Cullis, A.G. 1-35932
- Baert, D.** *see* Bonte, L. 1-50405
- Baertz, U.** *see* Andresen, E. 1-49487
- Baev, V.M.**, Gaida, G., Schroder, H., Toschek, P.E. Quantum fluctuations of a multi-mode laser oscillator 1-51424
- Bafleur, M.** *see* Munoz-Yague, A. 1-40517
- Bagalei, Yu.V.**, Shchebenyuk, L.A. Lifetime of paper-epoxy dielectric in an electric field at mains frequency 1-40752
- Bagautinov, G.A.** *see* Starikov, V.S. 1-49082
- Bagchi, C.N.**, Gottilla, S.C. Application of human engineering criteria to annunciator display systems in a large fossil power station 1-43928
- Bagdasarov, R.E.**, Merkulov, A.E., Taranov, V.E. Power source for current ionization chamber 1-36082
- Bagdasaryan, O.V.**, Peremyakov, V.A. On the characteristics of reflection and refraction of the planar electromagnetic wave in the thin layer of a nonlinear dielectric 1-28967
- Bage, M.J.** *see* Edwards, S.J. 1-29773
- Baggenstos, M.G.** Innovations in preparation in the field of data telecommunications 1-51907
- Baggett, N.V.**, Fowler, E.C., Kalbfleisch, G.R., Alspector, J. A muon monitor for neutrino flux measurement 1-48581
- Bagir-zade, E.F.**, Tagiev, B.G., Aliev, N.A., Mamedov, G.M. The influence of strong electric field on the residual conduction of  $\text{GaSe}_x\text{Te}_{1-x}$  (Sn) single crystals 1-40990
- Bagir-zade, E.F.**, Tagiev, B.G., Mamedov, G.M. Residual conductivity of plastically deformed GaSe single crystals 1-37013
- Bagirov, M.A.**, Akhmedov, Z.G., Malin, V.P. Temperature influence on electric characteristics alteration of the polymer films under discharge acting in air 1-32898
- Bagirzade, E.F.**, Tagiev, B.G., Mamedov, G.M., Askarov, I.M., Sultanov, F.N. Interference oscillation of photocurrent in GaSe:Sn and  $\text{GaSe}_{0.95}\text{Te}_{0.05}$  single crystals 1-46615
- Baglin, J.E.E.** *see* Neri, J.M. 1-48556
- Bagnoli, P.**, Catoni, E., Saracco, R. Software tools for SDL documentation handling and software development methodology for automatic generation of SDL documentation 1-42106
- Bagratishvili, G.D.**, Dzhanelidze, R.B., Jishiashevili, D.A., Piskanoskii, L.V., Zyuganov, A.N., Mikhelashvili, V.N., Smertenko, P.S. Mechanism of charge flow through the  $\text{M-Ge}_3\text{N}_4\text{-GaAs}$  structure 1-46023
- Bagstad, B.**, Estrada, R., Mandel, H. Hybrid circuit clamp mount assures electrical performance, grounding, and heat transfer 1-40332
- Bahar, E.** Full-wave solutions for the depolarization of the scattered radiation fields by rough surfaces of arbitrary slope 1-41210
- Bahar, E.** Scattering cross sections for random rough surfaces: full wave analysis 1-42293
- Bahcevandziev, S.**, Jonoska, M., Mitreska, Z., Karovska, M. Registration of some thermal effects by hologram 'real time' method 1-51532
- Bahder, G.**, Katz, C., Eager, G.S., Jr., Leber, E., Chalmers, S.M., Jones, W.H., Mangrum, W.H., Jr. 'Life expectancy of cross-linked polyethylene insulated cables rated 15 to 35 kV' 1-34882
- Bahder, G.**, Katz, C., Eager, G.S., Jr., Leber, E., Chalmers, S.M., Jones, W.H., Mangrum, W.H., Jr. Life expectancy of cross-linked polyethylene insulated cables rated 15 to 35 kV 1-38758
- Bahei-El-Din, Y.**, Dvorak, G.J., Utku, S. Finite element analysis of elastic-plastic fibrous composite structures 1-39648
- Bahl, I.J.**, Bhartia, P. Radiation characteristics of a triangular microstrip antenna 1-37369
- Bahl, I.J.**, Bhartia, P. Comparison of radiation characteristics of microstrip patch antennas 1-47039
- Bahl, I.J.**, Stuchly, S.S. Characteristic of microstrip ring antennas 1-47042
- Bahl, I.J.**, Stuchly, S.S., Lagendijk, J.W., Stuchly, M.A. Microstrip loop radiators for local hyperthermia 1-48750
- Bahl, K.** *see* Saxena, P. 1-32791, 1-32791
- Bahl, L.R.**, Bakis, R., Cohen, P.S., Cole, A., Jelinek, F., Lewis, B.L., Mercer, R.L. Continuous parameter acoustic processing for recognition of a natural speech corpus 1-41602
- Bahl, L.R.**, Bakis, R., Cohen, P.S., Cole, A., Jelinek, F., Lewis, B.L., Mercer, R.L. Speech recognition of a natural text read as isolated words 1-41607
- Bahl, L.R.**, Bakis, R., Jelinek, F., Mercer, R.L. Language-model/acoustic-channel-model balance mechanism 1-29127
- Bahl, L.R.**, Cocke, J., Cullum, C.D., Hagenauer, J. Sequential decoding for burst error channels 1-33519
- Bahl, L.R.**, Cohen, P.S., Jelinek, F., Mercer, R.L. Automatic high-resolution labeling of speech waveforms 1-29128
- Bahl, L.R.**, Lewis, B.L., Mercer, R.L. Audio indication of error in speech recognition 1-29130
- Bahl, L.R.** *see* Nadas, A. 1-41603
- Bahl, R.**, Indiresan, P.V. A novel beamformer for circular sonar arrays 1-42346
- Bahn, R.C.** *see* Greenleaf, J.F. 1-38503
- Bahr, H.P.** *see* Kolouch, D. 1-41738
- Bahrami, K.** *see* Ramakumar, R. 1-49362
- Bahrman, M.P.**, Bishop, D.W., Hill, R.H., Mortensen, K.N., Newell, R.J., Taylor, C.W., Woodford, D.A. Dynamic performance characteristics of North American HVDC systems for transient and dynamic stability evaluations 1-43646
- Bai, R.D.**, Fel'dman, A.V., Chabanov, A.I. Utilization of various types of motors in follow-up electric drives for feeds in machine tools with numerical program control 1-31728
- Bai Jian-Rong** *see* Wang Zi-Jiang 1-51506
- Bai Yuke** *see* Fan Tiwen 1-32633
- Baibikov, A.S.**, Lisichkin, G.M. A method of calculation of the axial force acting on a turbine disc, with allowance for leakage 1-49286
- Baier, E.** *see* Arzubi, L. 1-39901, 1-40000
- Baier, H.**, Kallmeyer, M., Rosesch, H. Improving a matched amplifier circuit for a photodiode 1-27302
- Baier, R.E.**, Rogers, C.W., DePalma, V.A., Pilie, R.J. Remote sensing of the sea/air interface as an indicator of subsurface activity 1-48876
- Baier, W.** Digital Hi-Fi [recording techniques] 1-29949
- Baier, W.** Developing the flat picture screen 1-52224
- Baikov, A.I.**, Bratolyubov, V.B., Dukhnina, L.S., Trefilov, A.F. A comprehensive method of analysing the EM and thermal processes as a basis for automated parametric design of high-power semiconductor devices 1-39051
- Baikova, N.D.** *see* Shishkov, A.G. 1-28238
- Bailey, A.** *see* Brinkowrth, G. 1-44569
- Bailey, A.L.** The RX80 Mk2. II 1-29610
- Bailey, A.L.** The RX80 Mk2. III 1-33923
- Bailey, A.L.** The RX80 Mk2. IV 1-42182
- Bailey, D.S.** *see* Lec, R. 1-32949
- Bailey, I.L.** *see* Avazian, J.F. 1-50017
- Bailey, J.A.**, Black, R.G., Jr., Gersbach, J.E., Lewkowicz, J., Rajagapalan, R. Head failure detector for a magnetic head 1-46411
- Bailey, J.A.**, Black, R.G., Jr., Lewkowicz, J. Predictor for 'H' configured write driver for magnetic recording 1-46413
- Bailey, J.R.**, Divjak, A.A. Precision voltage clamp outperforms Zener diode 1-39896
- Bailey, M.C.** Resonant frequency of rectangular microstrip antennas 1-47036
- Bailey, M.C.** *see* Moskowitz, S.M. 1-41399
- Bailey, P.**, Sterk, T., Maconber, L. 200 KHz power FET technology in OEM modular power supplies 1-50404
- Bailey, R.S.** *see* Kapoor, V.J. 1-46163
- Bailey, S.J.** Variable speed motor drives '81: designers exhibit energy concern 1-31498
- Bailey, S.J.** Temperature measurement 1981: sensors expand loop influence 1-42588
- Bailis, E.I.** *see* Streuber, D.W., Jr. 1-38204
- Baillie, R.J.** Mass lamination as a laminator's service to the PCB industry 1-45784
- Baillieu, J.** Controllability and observability of polynomial dynamical systems 1-50245
- Baily, P.K.** *see* Lovejoy, C.M. 1-46698
- Baimukhanov, Zh.S.** *see* Petlenko, B.I. 1-53489
- Bain, W.C.** Models of the ionospheric D region at noon 1-46931
- Bainbridge, G.R.** Comparative risks of different fuels in electricity generation 1-38891
- Bair, H.E.** *see* Johnson, G.E. 1-28182
- Bair, J.H.** Communications technology and the evolution of organizations 1-41981
- Baird, A.S.** Shipborne guided weapon-system development 1-48787
- Baird, J.F.** *see* Edward, L.N.M. 1-49197
- Baird, J.M.**, Attard, A.C. Design of single-anode MIG-type gyrotron gun for a 35 GHz gyro-TWT 1-45866
- Baird, R.** *see* Van Enk, F. 1-47548
- Baird, R.N.** *see* Clifford, P.C. 1-30401
- Baitch, T.L.** Design practices for electricity supplies, distribution and utilisation within a large, widespread water supply and sewerage authority 1-44575
- Baizhanova, M.M.** *see* Alimov, A.K. 1-30472

- Bajic, B.** Dynamics of the heterodyne spectrum analyzer with rectangular bandpass filter 1-48017
- Bajic, B., Tasic, J.** Experiments on the signal extraction from additive stationary noise non-correlated with the signal 1-37482
- Bajic, V.B.** *see* Milic, M.M. 1-50399
- Bajus, P., Henne, M., Jaskule, G.** 'Tekatext 40': a telex and text switching system 1-33857
- Bajwa, A.S., Parsons, J.D.** Observations of UHF multipath propagation from measured delay-Doppler scattering functions 1-46946
- Bajwa, A.U., Chaudhry, P.** An alpha particle range spectrometer using solid state nuclear track detectors 1-48669
- Bak, J., Mazur, J.** Selected problems of the fundamentals of computer-aided interior lighting design 1-53774
- Bak, J.** *see* Iwanowski, R.J. 1-32631
- Bakalow, G.** *see* Batow, S. 1-44572
- Bakan, T.M.** Filtering under conditions of nonstatistical indeterminacy 1-33644
- Bakanovich, E.A., Mel'nik, N.I., Orlov, M.A., Chetyrkina, Z.N.** Study of a mathematical model of a composite probability converter 1-36310
- Bakare, P.P.** *see* Murthy, M.N.S. 1-51083
- Bakary Ba** *see* Hoan Nguyen Cong 1-44315
- Baker, C., Dyer, P.E., Tait, B.L.** Design of a compact high PRF TEA CO<sub>2</sub> laser and performance under multimode and single mode conditions 1-51358
- Baker, C.C., Abdou, M.A., Boley, C.D., Bolon, A.E., Brooks, J.N., Clemmer, R.G., Ehst, D.A., Evans, K., Jr., Finn, P.A., Fuja, R.E., Gohar, Y., Jung, J., Kann, W.J., Mattas, R.F., Misra, B., Schreyer, H.L., Smith, D.L., Stevens, H.C., Turner, L.R., De Freece, D.A., Dillow, C., Morgan, G.D., Trachsel, C.A., Graumann, D., Alcorn, J., Fields, R.E., Prater, R., Kokozenski, J., Barry, K., Cherry, M., Klumpe, H., Conn, R.W., Emmert, G.A., Sviatoslavsky, I.N., Sze, D.K.** Starfire, a commercial Tokamak power plant design 1-35016
- Baker, C.C., Abdou, M.A., DeFreece, D.A., Trachsel, C.A., Graumann, D., Kokozenski, J.** Energy conversion considerations of the STARFIRE commercial fusion power plant 1-30916
- Baker, C.R., Gualtierotti, A.F.** On the capacities of Gaussian channels 1-33460
- Baker, D.J., Ephremides, A.** A distributed algorithm for organizing mobile radio telecommunication networks 1-37866
- Baker, D.J.** *see* Frodsham, D.G. 1-45186, 1-48104
- Baker, D.W.** Modulation and signal processing equipment for a new digital troposcatter link with military and general application 1-42190
- Baker, D.W.** *see* Eyer, M.K. 1-30426
- Baker, H.J., Bannister, J.J., King, T.A.** Electro-optic pulse cutting and mode-locked pulse selection at 1.315  $\mu\text{m}$  using Krytron switching 1-28752
- Baker, H.J., King, T.A.** Repetitively pulsed iodine laser with thermal gas flow cycle 1-46684
- Baker, J.** High-quality compressor 1-29947
- Baker, J.** Soldering iron reminder 1-31879
- Baker, J.C., Payne, D.N.** Expanded-beam connector design study 1-51158
- Baker, J.E.** *see* Bhattacharyya, A. 1-46065
- Baker, J.E.** *see* Oliver, J.A. 1-53278
- Baker, J.L.** Satellite aided coastal zone monitoring and vessel traffic system 1-52171
- Baker, R.P., Gafarella, J.H.** Hybrid convolver/binary signal processor achieves high processing gain 1-32929
- Baker, R.W.** *see* Lee, K.L. 1-44013
- Baker, T.C., Jr., Sielken, R.L., Jr.** Estimation of a distribution function by extrapolating upper and lower bounds 1-35783
- Baker, T.E.** *see* Roberts, K.A. 1-46253
- Baker, T.M.** Electric cars and the electricity system 1-49763
- Bakhadyrkhanov, M.K., Tursunov, A.A., Azizov, K.A., Nigmankhodzaev, S.S.** Infrared quenching of the photoconductivity and residual conductivity of n-type Si:Mn 1-37012
- Bakhtmutskii, V.F., Kolomitsev, L.A., Nikolai-chuk, O.L., Pavlyukov, A.T.** Transducer suite for automatic checking of data-acquisition systems 1-52413
- Bakhrakh, L.D., Litvinov, O.S.** On an effective method of computing the coefficients in the Fourier series of functions of sharply directed antenna diagrams 1-41304
- Bakhtizin, R.Z., Gots, S.S.** Peculiarities of the flicker noise of silicon field emitters 1-27752
- Bakinovskii, K.N., Shchors, L.S.** Fast comparator with a flip-flop stage 1-50587
- Bakirov, M.Ya., Efendiev, D.T.** Use of photoelectric generators to produce hydrogen from water 1-49349
- Bakirov, N.K., Sultanov, A.Kh.** On the probability that a level will not be exceeded by the trajectory of a random process 1-26987
- Bakis, R.** Spectral parameter estimator 1-29129
- Bakis, R.** *see* Bahl, L.R. 1-29127, 1-41602, 1-41607
- Bakis, R.** *see* Nadas, A. 1-41603
- Bakken, P.M.** *see* Maseng, T. 1-37307
- Bakker, J.M.T.de** *see* de Bakker, J.M.T.
- Bakker, M., Hoonhout, D.** A program to solve a solute diffusion problem with segregation at a moving interface 1-36457
- Bakker, R.** Combined cable TV surveillance and alarm 1-47808
- Baklanov, R.N.** *see* Kuprievskii, V.L. 1-48270
- Bakos, J.S., Sorlei, Zs., Kuti, Cs., Szikora, S.** Sub-harmonic resonances in KDP electrooptical light shutters 1-46573
- Bakos, P., Darrow, R.E., Funari, J.** Dissipating excess heat during bonding operations 1-27735
- Bak'rdzhiev, V.M.** *see* Ivanova, E.S. 1-46188
- Bakry, S.H., Ackroyd, M.H.** Teletraffic analysis for single-cell mobile radio telephone systems 1-29236
- Baksheev, V.G., Duzenko, V.A., Krivosheev, I.A., Pal'shin, G.N., Panin, V.I.** Equipment for measurement of the characteristics of ultrasonic piezoelectric transducers 1-30575
- Bakshi, A.Ya.** On allowance for the error in the readings of electronic level gauges of the regenerative heaters of turbine sets 1-49277
- Bakshi, I.S.** *see* Zhigal'skii, G.P. 1-40320
- Bakut, P.A., Sviridov, K.N., Troitskiy, I.N., Ustinov, N.D.** Optimum processing of light fields, distorted by a turbulent atmosphere 1-33359
- Balabanov, I.G., Pal'mskii, V.G., Milyuts, G.B.** Corrosion of electric machine water cooling system elements 1-35129
- Balabaud, J.P.** *see* Guillon, P. 1-45615
- Balaceanu, M.** *see* Popovici, C. 1-32533
- Balachandran, S., Lee, F.C.Y.** Algorithms for power converter design optimization 1-49566
- Balagurov, L.A.** *see* Plitnikas, A. 1-36484
- Balak, R.** Building the Gabcikovo and Nagymaros hydroelectric project with the overall power output of 878 MW 1-43980
- Balakrishna, K.J.** Polymers and plastics of interest to electronics industry 1-50340
- Balakshiy, V.I., Parygin, V.N.** Optoacoustic readout of images 1-34216
- Balamatov, N.N., Sotsilenkov, A.A.** Converter taking pulse amplitudes into time intervals with automatic control 1-27572
- Balamatov, N.N., Zalivako, V.Yu.** Nanosecond range time-amplitude converter 1-27576
- Balan, G., Constantinescu, J., Neagu, V.** Reducing the technological consumption in the national electric grid distribution system, by optimisation of voltage levels 1-30718
- Balan, G.** *see* Bralu, L. 1-34850
- Balanis, C.A.** *see* Lilly, J.D. 1-41398
- Balanis, C.A.** *see* Powell, J.R. 1-42585
- Balanis, C.A.** *see* Radcliff, R.D. 1-43427
- Balanovskiy, L.I.** *see* Martensitsen, S.I. 1-47344
- Balas, E., Christofides, N.** A restricted Lagrangean approach to the traveling salesman problem 1-39594
- Balashov, B.M., Bolotkovskii, S.A., Kigel', G.A., Tereshchenkov, V.V.** Compensation for reactive loads in 6 kV networks in mining installations 1-35550
- Balashvili, D.N.** *see* Giorgadze, D.P. 1-31354
- Balassy, Zs.** Analysis of some factors affecting the efficiency of research and development 1-49910
- Balasubramanian, C.** *see* Mahalingam, T. 1-32510, 1-32511, 1-50641
- Balasubramanian, C.** *see* Paramasivam, K.R. 1-36362
- Balasubramanian, G., Riesz, R.P.** Digital thickness monitor using only one crystal oscillator 1-38293
- Balasubramanyam, K., Karaperis, L., Lee, C.A., Ruoff, A.L.** An inorganic resist for ion beam microfabrication 1-50861
- Balayan, R.F.** *see* Lopatko, A.P. 1-53835
- Balbekov, V.I.** *see* Ageyev, A.I. 1-42866
- Balbin Villaverde, A.** High power laser optical isolator using NaCl 1-46593
- Balchev, I.M.** *see* Khristov, H.R. 1-34060
- Baldassarre, L., Cingolani, A., Ferrara, M.** InSe electrical characterization by means of transport parameters 1-45969
- Balder, W., Humphrey, R., Pang, P.** Automated light source monitor 1-34253
- Baldereschi, A., Maschke, K., Meloni, F.** Acceptor states and core shifts in AlGa<sub>1-x</sub>As 1-27830
- Balderston, J., King, P.W.** Development of radiometers for high power thermal radiation 1-34293
- Baldes, H., Bille, G.** The modern two-axle longitudinal drive SIMOTRAC for rail vehicles; SIMOTRAC two-axle longitudinal drive for rapid transit and tramway electric multiple units 1-44420
- Baldin, A.M., Beznogikh, Yu.D., Chekhlov, K.V., Donets, E.D., Issinsky, I.B., Kirillov, A.D., Markarov, L.G., Pikin, A.I., Somenyushkin, I.N., Smirnov, A.A., Volkov, V.I., Zel'dovich, A.G., Zinoviev, L.P.** The Synchrophasotron: An accelerator of relativistic nuclei 1-48569
- Baldin, A.M., Beznogikh, Yu.D., Donets, E.D., Issinsky, I.B., Makarov, L.G., Monchinsky, V.A., Popov, V.A., Somenyushkin, I.N., Sikenko, V.F., Volkov, V.I., Zinoviev, L.P.** Present-day status of the synchrophasotron as a nuclear accelerator 1-42889
- Baldin, B.Yu., Vlatski, F.D., Monich, E.A., Rakhmatov, V.E., Ronzhin, A.I., Rykalin, V.I., Khachaturov, B.A.** Double scintillation hodoscopes on hodoscope photomultipliers 1-34484
- Baldin, B.Yu.** *see* Alekseev, A.V. 1-52742
- Baldini-celio, R., Celani, F., Cirilli, F., Codino, A., Fabbri, F.L., Laurelli, P., Levy, G., Rivellini, G., Satta, L., Spillantini, P., Zallo, A.** A very fast pulse programmable generator with injected charge control 1-27355
- Baldwin, M.S., McFadden, D.P.** Power systems performance as affected by turbine-generator controls response during frequency disturbances 1-43528
- Baldwin, M.S., McFadden, D.P.** Power systems performance as affected by turbine-generator controls response during frequency disturbances 1-48984
- Baldwin, T.S.** *see* Grisham, D.L. 1-48281
- Bale, R.A.** *see* Moule, G.L. 1-36769
- Bales, T., Walder, H.C., Frasure, D.W.** Data center software and teleprocessing support 1-37689
- Baliga, B.J., Adler, M.S., Oliver, D.W.** Optimum semiconductors for power field effect transistors 1-46153
- Baliga, B.J.** *see* Shealy, J.R. 1-32078
- Baliga, B.** *see* Jayant *see* Jayant Baliga, B.
- Baliga, C., Dorai, V.S., Sahni, M.** Planning and developing of HV distribution systems for metropolitan areas in a developing country 1-43670
- Balint, L.** Lumped-distributed modeling and analysis of interconnection delays, losses, dispersion and couplings 1-45203
- Balk, P.** *see* Heyen, H. 1-40518
- Balk, P.** *see* Jurgensen, H. 1-50297
- Balk, P.** *see* Maier, M. 1-27923
- Balk, P.** *see* Veuhoff, E. 1-39785
- Balkar Singh, Dabholkar, D.A.** New polymers for electronics materials and components 1-50341
- Balkarei, Yu.I., Evitkhov, M.G., Elinson, M.I.** Self-adjustment phenomena in active diffusive media 1-50262
- Balko, B., Berger, R.L., Anderson, K.** Measurement and simulation of thermistor response time in the millisecond range 1-45710
- Balko, E.N., Avery, W.** Fuel cell efficiency in a combined electrochemical-thermochemical process 1-49662
- Balkovets, D.S., Kaganov, L.N., Moryakov, V.F., Kudryavtsev, I.M.** The detection of lack of fusion in electron-beam welds by means of radiography 1-35544
- Ball, C.G.** *see* Lutsch, A.G.K. 1-39551
- Ball, D.G.** *see* Miller, J.L. 1-51389
- Ball, J.B.** The new large tandem electrostatic accelerators 1-42820
- Ball, J.B.** *see* Lord, R.S. 1-42893
- Ball, J.B.** *see* Martin, J.A. 1-42895
- Ball, J.M., Currie, J.C., Olver, P.J.** Null Lagrangians, weak continuity, and variational problems of arbitrary order 1-45042
- Ball, M.** *see* Besser, L. 1-45657
- Ball, P.R., Culshaw, B., Kingsley, S.A.** Recovery of phase modulated signals in multimode optical fibres 1-28470
- Ball, R.G., Newton, R.S., Whitfield, D.** Development of an off-display, high resolution, direct touch input device: the RSRE Touchpad 1-52383
- Balla, D.D.** *see* Obolenskii, M.A. 1-51106
- Ballantyne, J.** *see* Barnard, J. 1-37949
- Ballantyne, J.M.** *see* Gammel, J.C. 1-42235
- Ballard, C.P., Stewart, D.L.** Refractory glass and glass ceramic tube seals [integrated thermionic circuits] 1-36430
- Ballard, G.S.** *see* Mazumder, M.K. 1-52603
- Ballato, A.** *see* Lukaszek, T. 1-36764
- Ballatore, D.** Precision phase shifter 1-40158
- Baller, H.H.** On-board satellite signal processing and simulation 1-41705
- Ballesteros, J.L.** Electricity supply cables: copper or aluminium? 1-43706
- Ballier, L., Bauman, A.H., Wantshouse, R.A., Wylie, T.J.** Self-aligning edge emitter for fiber optics 1-28599
- Ballik, E.A.** *see* Znotins, T.A. 1-46697, 1-51330
- Ballistic, R.** *see* Hafner, C. 1-51593
- Ballman, A.A.** *see* Mahajan, S. 1-32055
- Ballman, A.A.** *see* Tamari, N. 1-51440
- Ballmer, U., Fahmy, S., Dahm, R., Kwasnitschka, W.** Extension of the steam power plant at Beirut-South (Jijeh), Lebanon 1-30987
- Ballou, J.K.** *see* Martin, J.A. 1-42895
- Ballou, R.A.** Estimating and auditing aggregate inventory levels at multiple stocking points 1-35890
- Balls, B.W.** Energy measurement and control using density meters and microprocessors 1-34397
- Balmain, K.G.** *see* Tranquilla, J.M. 1-37374

- Balog, M.** Theoretical installed life and wear out degree of high loaded steamlines in thermal power plants 1—53263
- Balogh, A.** Prediction of system reliability 1—26967
- Balogh, A.** *see* Hejjas, I. 1—42501
- Balsley, B.B.** *see* Ecklund, W.L. 1—46881
- Baltazzi, E.S.** Recent development in electrophotographic processes, materials, and related fields 1—33319
- Baltes, H.P., Glass, A.S., Jauch, K.M.** Multiplexing of coherence by beam-splitters 1—47238
- Baltes, H.P.** *see* Schwarzenbach, H.U. 1—40756
- Baltog, A., Musa, G.** Emissive properties of cesium-molybdenum composite surface in cesium vapours and cesium-noble gas mixture 1—36428
- Baltov, I.K.** *see* Stoyanov, V.E. 1—28576
- Baltrameynas, R., Vaitkus, Yu., Gaubas, E., Nyunka, V., Yarashynas, K.** Application of dynamic holography in determination of the parameters of a degenerate electron-hole plasma in semiconductors 1—32650
- Balts, S.A.** Latvian television broadcasting and its development 1—34042
- Baltz, A., Freitag, W.O., Greifer, A.P., Suchodolski, V.** The effect of chromating on borohydride reduced iron powders 1—46387
- Baltz, A.J., Chasman, C., Thorn, C.E.** Spiral design and beam dynamics for a variable energy cyclotron 1—42897
- Baltz, A.J.** *see* Thorn, C.E. 1—42795
- Baltzer, E., Frewe, W., Rimmrott, M.** 3TL vacuum contactors 1—35283
- Baltzer, G.** 9EC 755 digital voice cipher system for defence applications 1—47557
- Baluta, H.** Incorporation of automatic speech processing technology into ATE 1—52366
- Balzano, G.J.** The group-theoretic description of 12-fold and microtonal pitch systems 1—52282
- Balzer, L.A.** Engineering management education in Britain 1—49901
- Bamberg, W.** Designing with metal halide lamps 1—44463
- Bamberger, A.** Particle identification through pulse shape analysis in proportional counters 1—48624
- Bammert, K., Simon, M., Sutsch, A.** Large parabolic dish collectors with gas turbines 1—53312
- Ban, R.** *see* Hosoba, M. 1—43326
- Ban Tran Hung** *see* Hung Ban Tran
- Banakar, M.** *see* Galiana, F.D. 1—30617
- Banakar, M.H., Galiana, F.D., Jarjis, J.** Security regions in power networks 1—49054
- Banat, M.** *see* Chevaillier, J.P. 1—46827
- Banba, Y.** *see* Kagawa, S. 1—33134
- Bandler, J.W., Biernacki, R.M., Salama, A.E.** A linear programming approach to fault location in analog circuits 1—45204
- Bandler, J.W., El-Kady, M.A.** Power network sensitivity analysis and formulation simplified 1—38654
- Bandler, J.W., El-Kady, M.A.** The method of complex Lagrange multipliers with applications 1—48978
- Bandler, J.W., El-Kady, M.A.** A generalized, complex adjoint approach to power network sensitivities 1—48979
- Bandler, J.W., Rizk, M.R.M., Salama, A.E.** An interactive optimal postproduction tuning technique utilizing simulated sensitivities and response measurements [for microwave networks] 1—45634
- Bandler, J.W., Rizk, R.M.** Analysis and sensitivity evaluation of 2 p-port cascaded networks 1—36032
- Bandler, J.W.** *see* Biernacki, R.M. 1—32138
- Bandman, O.L., Markova, V.P.** Fourier transformations of hypergraphs and graphs 1—50192
- Bandopadhyay, R.N., Subba Rao, V.S., Raju, G.S.** Mathematical models of synchronous machine with unequal mutual reactances 1—35147
- Bandow, T.** *see* Suzuki, M. 1—45948
- Bandurin, V.V.** *see* Blavdzevich, Yu.G. 1—44071
- Bandy, S., Nishimoto, C., Hyder, S., Hooper, C.** Saturation velocity determination for  $\text{In}_{0.5}\text{Ga}_{0.49}\text{As}$  field-effect transistors 1—40579
- Bandopadhyay, C.** *see* Chowdhury, S.K. 1—28952
- Bandzeladze, A.E., Tsaladze, G.M., Kanteladze, N.G., Akaraisvili, P.V., Gogisvanidze, T.G.** Moisture meters for solid substances developed at Proektprilbor Special Design Office 1—34316
- Bane, K., Chao, A., Weiland, T.** A simple model for the energy loss of a bunched beam traversing a cavity 1—43036
- Bane, K., Wilson, P.** Longitudinal and transverse wake potentials in SLAC 1—48490
- Bane, K., Zotter, B.** Transverse modes in periodic cylindrical cavities 1—48488
- Bane, K.L.F.** *see* Wilson, P.B. 1—43012
- Banerjee, B.M., Chowdhury, S.** Variable frequency inverter [for traction motor control] 1—39071
- Banerjee, N.** Automatically recognizing the syntax of natural speech 1—41527
- Banerjee, R.** *see* Ray, S. 1—40414
- Banerjee, R.N.** *see* Guchait, B. 1—49263
- Banerjee, S.K., Bhide, S.D.** Maintenance improvement policy to optimise system availability 1—35672
- Banerjee, S.K., Bhide, S.D.** Evaluation of generating system reliability indices under limited repair facility 1—38698
- Banerjee, S.K., Bhide, S.D.** A technique to simplify reliability expressions 1—44757
- Banerjee, U.K.** Managing technology assessment in India 1—26836
- Banfi, V.** Investigation on electron motion in vacuum within symmetric magnetic static fields 1—28848
- Banfield, A.R.** Evaluating the performance of optical and radiation pyrometers 1—34292
- Banfield, K.E.** *see* Hicks, G.P. 1—44229
- Bangert, E.** *see* Klitzing, K.V. 1—28030
- Banino, J.-S.** *see* Zimmermann, H. 1—37758
- Banjavic, R.A., Zagzebski, J.A.** Ultrasonic pulse-echo beam width and axial response approximations for clinical broadband focused transducers 1—30429
- Bank, R.E., Rose, D.J.** Global approximate Newton methods 1—45058
- Banker, D.C., Battista, M.A., Chen, S.C.** Sense diode 1—36549
- Banker, D.C., Park, S.J., Wong, R.C.** Multifunction latch 1—46199
- Ban'kovskii, N.G., Korotkov, K.G., Solodukhina, V.A., Shigalev, V.K.** Formation of gas-discharge images of objects at reduced pressures 1—50736
- Banks, M.** Telecommunications: solutions with LSI and perspectives for the user 1—47322
- Bannai, E., Cameron, P.J., Kahn, J.** Nonexistence of certain distance-transitive digraphs 1—50209
- Bannenber, J.G.** Beam transport for ion implantation 1—43143
- Bannister, J.J.** *see* Baker, H.J. 1—28752
- Bannister, R.L.** *see* Bennett, S.B. 1—31006, 1—43947, 1—49268
- Bannister, R.L.** *see* Donato, V. 1—34218
- Banno, T.** *see* Fujii, T. 1—40298
- Banque, F.** *see* Bertran, M. 1—52986
- Bansal, K.P., Kumari, S., Das, B.K., Jain, G.C.** Electrical properties of ceramic lanthanum chromite doped with  $\text{TiO}_2$  1—36698
- Bansal, S.** Absolute value linear fractional programming 1—39615
- Bansal, S.C.** *see* Verma, M.C. 1—43989
- Bansal, V.K., Misra, K.B.** Hardware approach for generating spanning trees in reliability studies 1—35695
- Bantegnie, J.G.** *see* Lyszyk, M. 1—33243
- Banting, J.F.** Digital Intercept Recorder Announcer (DIR) 1—33861
- Bany, J., Appelbaum, J.** Utilization of solar energy for electrical motor drive 1—53705
- Bao, C.C., Cruceanu, E.** On the thermal processes in the helium cryostat with superconductive magnets 1—36853
- Bao Bing-qian** *see* Xie Fu-zeng 1—30035
- Bao Ximao, Ji Fuquan, Huang Xinfan** Influence of boron diffusion on the oxidation-induced stacking faults in silicon 1—32605
- Bao Ximao, Ji Fuquan, Huang Xinfan, Chen Nandou** Suppression of oxidation induced stacking faults in silicon by laser annealing 1—27891
- Bao Zhi-xiang** *see* Lin Shao-chi 1—28616
- Bao-hua Feng** *see* Feng Bao-hua
- Bao-Sung Yeh** *see* Brouwer, R.P. 1—37117
- Baonza, J.** *see* Albella, J.M. 1—28150
- Baozhen Zheng** *see* Zheng Baozhen
- Bapat, V.** *see* Jagtap, V. 1—52521
- Bapeswara Rao, V.V., Gopal, T.V.** Measuring power loss in overhead line equipment 1—34952
- Bapna, R.C., Verma, R.L.** Optical properties of amorphous  $\text{Sb}_2\text{S}_3\text{Sb}_2\text{O}_3$  systems 1—32542
- Bapna, R.C.** *see* Verma, R.L. 1—32591
- Bappert, E.** *see* Hoke, M. 1—43314
- Bapst, U.** *see* Meyer, H. 1—29330
- Bar-Chaim, N., Katz, J., Yaviv, A., Ury, I.** Buried-heterostructure AlGaAs lasers on semi-insulating substrates 1—37153
- Bar-David, I., Anaton, D.** Leading edge estimation errors 1—51818
- Bar-Gad, O.** Buried channel CCD double implant 1—50941
- Bar-Ness, Y., Messer, H.** Wideband instantaneous frequency measurements (IFM) using SAW devices 1—38259
- Bar-Ness, Y., Rokach, J.** Cross-coupled bootstrapped interference canceler [adaptive antenna arrays] 1—51738
- Bar-ness, Y.** *see* Abramovitz, A. 1—47383
- Bar-Ness, Y.** *see* Messer, H. 1—40769
- Bar-Shalom, Y.** *see* Fortmann, T.E. 1—29790
- Bara, J.J., Bogacz, B.F.** A pulse shape discriminator for Mossbauer effect measurements 1—48648
- Bara, N., Murata, K.** Maximum entropy image reconstruction from projections 1—47205
- Barabanov, V.A.** *see* Milyakh, A.N. 1—44128, 1—49398
- Barabash, A.S., Golubev, A.A., Kazachenko, O.V., Lobashev, V.M., Ovchinnikov, B.M.** Investigation of some characteristics of a liquid methane pulsed ionization chamber 1—52669
- Barabash, A.S., Golubev, A.A., Kazachenko, O.V., Ovchinnikov, B.M.** Liquid-methane pulsed ionization chamber 1—30320
- Barachevskii, V.A., Belov, V.V., Bykovskii, Yu.A., Kozenkov, V.M., Smirnov, V.L., Tolstopyatov, O.I.** Laser-radiation stabilizer based on an integrated-optical electrochromic cell 1—28519
- Barachevskii, V.A.** *see* Kozenkov, V.M. 1—41170
- Baraei, S.V., Korovin, O.P.** Increasing the pumping efficiency of a resonant microwave storage cavity 1—50619
- Baraff, D.R., Long, J.R., MacLaurin, B.K., Miner, C.J., Streater, R.W.** The optimization of metal-insulator-metal nonlinear devices for use in multiplexed liquid crystal displays 1—42692
- Baraldi, G.** *see* Buzzelli, S. 1—29350
- Barale, G., Fraschetti, G.** Automation in air traffic control: present situation and future trends. I 1—48834
- Barale, J.** *see* Avery, R. 1—42826
- Baran, A.S., Cordaro, W., Dockerty, R.C., Jones, F.D., Regh, J., Zeidenbergs, J.** Static RAM double polysilicon process 1—28111
- Baran, W.** *see* Bechtold, V. 1—51092
- Baraniak, D.W.** Practical applications using a high resolution infrared imaging system 1—52398
- Baranick, M.** Solderability and solderability testing 1—49993
- Baraniecki, M.** *see* Shridhar, M. 1—37459
- Baranov, B.K., Sokut, L.D., Bud'ko, O.A., Pyatina, O.N., Eluskov, V.S.** Setting-up an automatic control system for a DC electric locomotive by the experimental design method 1—31571
- Baranov, N.V.** *see* Deryagin, A.V. 1—28218
- Baranov, V.M., Kudryavtsev, E.M.** Noise immunity of acoustic-emission monitoring systems 1—32120
- Baranov, V.Yu., Borisov, V.M., Davidovskii, A.M., Khristoforov, O.B.** Use of a discharge over a dielectric surface for preionization in excimer lasers 1—51377
- Baranov, V.Yu., Malyuta, D.D., Mezhevov, V.S., Napartovich, A.P.** Influence of gas density perturbations on the ultimate characteristics of pulse-periodic lasers with ultraviolet preionization 1—51369
- Baranov, V.Yu.** *see* Babichev, A.P. 1—51380
- Baranov, Yu.A.** The organization of the automatic decentralized information services of an urban telephone station 1—41900
- Baranski, A.S., Fawcett, W.R., McDonald, A.C., de Nobriga, R.M., MacDonald, J.R.** The structural characterization of cadmium sulfide films grown by cathodic electrodeposition 1—40394
- Baras, J.S.** Noncommutative probability models in quantum communication and multi-agent stochastic control 1—33426
- Barashev, V.V.** *see* Mirlin, G.A. 1—53828
- Barat, R.** *see* Bozzelli, J.W. 1—36434
- Baratka, S.** Transformation of electromagnetic radiation to electric energy photovoltaic cells 1—46633
- Barba, V.I.** *see* Karinskii, S.S. 1—37235
- Barbadoro, A.** Software for an automatic measurement test-set for mobile service transceivers 1—47898
- Barbaga-lo, C.** *see* Arona, N. 1—48626
- Barbaliscia, F., Fedi, F., Maggiori, D., Magliorini, P.** Frequency scaling of rain-induced attenuation at 11, 18 and 30 GHz 1—28883
- Barbaliscia, F., Maggiori, D., Migliorini, P., Paraboni, A.** Rainfall scatter interference between terrestrial and satellite radio-links 1—28904
- Barbanera, S., Carelli, P., Fenici, R., Leoni, R., Modena, I., Romani, G.L.** Use of a superconducting instrumentation for biomagnetic measurements performed in a hospital 1—30410
- Barbara, L.** *see* Morselli Labate, A.M. 1—50371
- Barbarino, A.E., Costanzo, E.** Effect of hydrogen on the growth kinetics of  $\text{Pd}_3\text{Si}$  1—50309
- Barbarino, A.E.** *see* Campisano, S.U. 1—39767
- Barbato, C., Pellegrino, E., Scarnera, M.** Strategy evaluation of engine electronic control by a special purpose microcomputer 1—39172
- Barber, C.** Inherent characteristics of visual stimulus systems and their effect on the visual evoked potential 1—52760
- Barber, H.** Progress in electroheat research in universities and research institutes 1—31698
- Barber, H.** Microwaves for cooking and heating 1—39212
- Barber, P.W.** *see* Owen, J.F. 1—36881
- Barber, S.G.** *see* Rodger, W.H. 1—29631
- Barberis, G., Lambarelli, L.** Optimization of packet switched network topological structures 1—51982
- Barberis, P.L.** *see* Arnault, C. 1—43246
- Barbero, M., Barbieri, G.F.** Satellite broadcasting: problems of audio signal baseband coding 1—29838
- Barbier, D., Poujois, R., Borel, J.** New arrangements of integrated circuits. 7 examples which prepare for the future. I. Fire detection circuit in integrated MOS 1—46299
- Barbier, D.** *see* Ittel, J.M. 1—41923
- Barbieri, G.F.** *see* Barbero, M. 1—29838
- Barbieri, S.** *see* Mayer, L. 1—40310

- Barca, C.T., Giurgiu, V., Popescu, B.G. Electric power distribution equipments and high-voltage [conductor] bars encapsulated with SF<sub>6</sub> 1-49603
- Barchanski, J.A., Muehleisen, T. The quality evaluation method of transportation layer services in a computer network 1-29436
- Barclay, D.J., Larsen, T.A., Martin, D.H., Moth, F.T. The design of silicon-based passive displays 1-30211
- Barclay, D.J., Martin, D.H. Neutralization of manufacturing defects in a display device 1-28524
- Barczak, B. Supervision and accounting system for investments 1-30959
- Bard, A.J. *see* Reichman, B. 1-31402
- Bardelli, G., Sesto, E., Bertani, E., Mosca, W. Evaluation of the performance of low voltage power factor correction capacitors with metalized polypropylene dielectric 1-45726
- Barden, R.J., Braman, D.P. Frequency compensation stabilizes wild amplifiers 1-39937
- Barden, R.J., Braman, D.P. Stabilize wild amplifiers using time-domain analysis. II 1-45288
- Barden, R.J., Braman, D.P. Apply practical methods to tame a wild amplifier 1-45290
- Bardi, M. Predator-prey models in periodically fluctuating environments 1-50099
- Bardl, A. *see* Schreiber, R. 1-27495, 1-32331, 1-40089
- Bareika, B., Dikchyus, G., Isyanova, E.D., Piskarskas, A., Sirutkaitis, V. Parametric generation of tunable picosecond light pulses in the 3.7-10.2  $\mu$ m range in proustite 1-28787
- Bareika, B., Dikchyus, G., Kamalov, V.F., Koroteev, N.I., Piskarskas, A.S., Sirutkaitis, V. Picosecond emission by a synchronous-pumping color-center laser; dynamics of F<sub>2</sub><sup>+</sup> centers during picosecond irradiation 1-28699
- Bareika, B., Dikchyus, G., Piskarskas, A., Sirutkaitis, V. Parametric generation of picosecond radiation with high spectral Q factor and diffraction-limit divergence in a resonator by mode-locked pumping 1-28785
- Bareikis, V., Barkauskas, R., Gal'dikas, A., Katiulyus, R. Ambipolar diffusion of hot carriers and noise in semiconductors 1-32623
- Barel, A. *see* van Biessen, L. 1-49198
- Barela, D.A. *see* Arter, N.K. 1-49642
- Bargeton, G. *see* Robinet, M. 1-47471
- Baribaud, G., Battisti, S., Benincasa, G.P., Boillot, J., Bouthéon, M., Cailliau, R., Carpeter, B., Cuperus, J., Daems, G., Daneels, A., Debordes, R., Delahaye, J.P., Frammery, B., Cagnaire, A., Hallberg, D., Heinze, W., Heymans, P., Kugler, H., Kupier, B., Martini, M., Perriolat, F., Potier, J.P., Pettersson, T., Remmer, W., Serre, Ch., Skarek, P., van der Shueren, P. Start-up of the new CPS controls system and switch-over of the 800 MeV Booster controls 1-42939
- Baribaud, G., Burla, P., Carter, C., Chanel, M., Donnat, J., Heymans, P., Perriolat, F., Royer, J.P., Schonauer, H., Suberluq, G. Conversion of the CERN PS booster controls: local hardware test and accelerator study facilities 1-42934
- Barilovich, V.A., Petrushchenkov, V.A. Some results of an experimental investigation of a wet steam turbine 1-43977
- Baringhaus, L., Plachky, D. On the optimality of the sample variance 1-50141
- Barish, A.E., Ehrlickman, R.L. Receiver circuits 1-27541
- Barish, J. *see* Alsmiller, R.G., Jr. 1-48307
- Barisy, A., Bellone, R., Blanchard, R., Camas, J., Evans, L., Ferioli, G., Hopkins, R., Sievers, P., Zanasco, J.P. A transverse beam profile monitor for p-p studies in the CERN SPS 1-42917
- Bark, M.L. *see* Slegler, K.J. 1-50934
- Barkai, M., Grunbaum, E., Deutscher, G. The epitaxial growth of germanium films onto NaCl/MICA substrates 1-35958
- Barkauskas, R. *see* Bareikis, V. 1-32623
- Barke, E. Scan pattern oriented functions for automatic checking of mask designs for integrated circuits 1-40654
- Barke, E. A comparison between novel methods for edge detection in video-signals 1-52246
- Barker, A.T. Measurement of direct currents in biological fluids 1-43347
- Barker, A.T. The design of a clinical electromagnetic bone stimulator 1-43370
- Barker, B. *see* Penman, J. 1-53413
- Barker, J.R. The potential of the biochip 1-38530
- Barker, J.R. The potential of the biochip 1-52806
- Barker, J.R. The possibilities of the biomicro-circuit board 1-52810
- Barker, J.R. *see* Ferry, D.K. 1-46090
- Barker, M.D., Caskey, G., Gossett, C.A., Haerberli, W., Mavis, D.G., Quin, P.A., Riedhauser, S., Sowinski, J., Ulbricht, J. A target of polarized hydrogen by storage of atoms in a coated pyrex vessel 1-43164
- Barker, M.D. *see* Haerberli, W. 1-43150
- Barker, N.J., Leveson, R.C. A portable photoionisation GC for direct air analysis 1-48881
- Barker, R. Safety in transport of radioactive materials—the next 10 years 1-44652
- Barker, R.E., Jr., Chen, D.Y., Adams, L.J. Problems in the determination of anisotropic transport properties in very thin polymer fibers 1-34362
- Barker, R.W.J., Hart, B.L. Design technique for low-current generators [monolithic bipolar technology] 1-27247
- Barker, T.A. *see* Thieberger, P. 1-42849
- Barkhuff, E.D., Morehouse, H. Packaging method for gas panel 1-36448
- Barkovskii, V.I., Yampol'skaya, E.G., Smol'kova, V.S. Light-weight current-lead systems based on plastics for negative electrode of lead-acid storage battery 1-35347
- Barlik, R., Kazmierkowski, M. The time diagram analysis of torque of the induction machine supplied by current source inverter 1-49447
- Barlow, A.J., Payne, D.N. Polarisation maintenance in circularly birefringent fibres 1-40892
- Barlow, A.J., Payne, D.N. Birefringence testing in single-mode fibres manufactured with controlled polarisation characteristics 1-40954
- Barlow, H.M. Optical fibre transmission in the TE<sub>01</sub> mode 1-33036
- Barlow, H.M. *see* Carter, S.G. 1-42146
- Barlow, R.E. FTAP—fault tree analysis program 1-39444
- Barlow, W.A. *see* Roberts, G.G. 1-45100
- Barna, A. *see* Lominczy, M. 1-40318
- Barna, G.G., Fish, J.G. An improved electrochromic display using an asymmetrical viologen 1-51226
- Barna, P.B. *see* Lominczy, M. 1-40318
- Barnaby, B.E. *see* Shope, L.A. 1-38572
- Barnard, A.G.E. Electrostatic needs special measures to minimise charge 1-33308
- Barnard, J., Wood, C.E.C., Eastman, L.F. Resistivity increase in MBE Ga<sub>0.47</sub>In<sub>0.53</sub>As following ion bombardment 1-46054
- Barnard, J., Wood, C.E.C., Eastman, L.F., Ballantyne, J. Double-heterostructure Ga<sub>0.47</sub>In<sub>0.53</sub>As integrated photoreceiver 1-37949
- Barnard, R.W. *see* Humphreys, D.R. 1-38571
- Barner, R.L. *see* Moffett, D.R. 1-43182
- Barnes, B.C. *see* Pilgrim, M. 1-42173
- Barnes, C.W. Intuitive explanation for low round-off noise in normal realizations of narrow-band digital filters 1-32352
- Barnes, C.W., Shu-Hung Leung Digital complex envelope demodulation using nonminimal normal form structures 1-47191
- Barnes, D.H. The provision of end to end security for user data on an experimental packet switched network 1-41983
- Barnes, E.R. Some matrix minimization problems 1-27208
- Barnes, F.S. *see* Gage, D.S. 1-35390
- Barnes, F.S. *see* Thorpe, T.L. 1-34369
- Barnes, H., Kearley, S. The measurement of the impedance presented to harmonic currents by power distribution networks 1-49196
- Barnes, J.J. *see* Chan, J.Y. 1-32250, 1-32293
- Barnes, N. Edmonton settles down to reliable power generation 1-53259
- Barnes, N.P., Gettemy, D.J. Pulsed Ho:YAG oscillator and amplifier 1-41069
- Barnes, R.K. *see* Anderson, G.A. 1-27330
- Barnett, A.M. Thin film solar cells 1-31468
- Barnett, A.M. *see* Rothwarf, A. 1-44384
- Barnett, B. *see* Hughes, J. 1-46191
- Barnett, J.H. *see* Ferraro, R.J. 1-31586
- Barnett, L.R., Lau, Y.Y., Chu, K.R., Granatstein, V.L. An experimental wide-band gyrotron traveling-wave amplifier 1-40351
- Barnett, L.R. *see* Chu, K.R. 1-40350
- Barnett, L.R. *see* Granatstein, V.L. 1-40352
- Barnett, L.W., Otzinger, B.M., Paulsen, E. Test data analysis and application of nickel hydrogen cells 1-31436
- Barnett, R. A low-sensing protection circuit for battery-powered devices 1-27242
- Barnett, T.G., Stothers, J.K. Pulse-width monitor flags poor timing 1-45346
- Barnhill, R.E., Brown, J.H., Mitchell, A.R. A comparison of finite element error bounds for Poisson's equation 1-58898
- Barniv, Y., Mostafavi, H., Casasent, D. Correlation of images with random contrast reversals 1-47959
- Barns, R.L., Melliar-Smith, C.M., Turnipseed, J.M. Quantitative effect of OH in the MCVD system of process trade offs in the manufacture of economical long-wavelength multimode MCVD optical fiber; results of analysis of as-received and purified MCVD chemicals for low-loss fiberguide manufacture 1-36937
- Barnwell, P.G. Is there a place for thick film hybrids in automobile electronics? 1-31613
- Barnwell, P.G. The economic hybrid 1-40334
- Barnwell, T., III *see* Breitkopf, P. 1-41601
- Barnwell, T.P., III. An experimental study of sub-band coder design incorporating recursive quadrature filters and optimum ADPCM 1-41577
- Barnwell, T.P., III *see* Marr, J.D. 1-37442
- Baron, A.R. *see* Hofmann, C.B. 1-34005
- Baron, B.N. *see* Russell, T.W.F. 1-53683
- Baron, D.A., Lakernik, R.M. Balanced high-frequency cables in aluminum and steel sheaths 1-47515
- Baron, J. *see* Nawrocky, R.J. 1-48349
- Baron, M., Zelez, J. Choosing a vacuum system for plasma and vapour deposition processes [semiconductor device production] 1-35632
- Baron, P.L. *see* Backes, J.L. 1-35647
- Baron, S. The synergetic relationship between the fast breeder reactor and solar energy 1-49245
- Baronov, G.S. *see* Babichev, A.P. 1-51380
- Barr, D.M. North American practice 1-44304
- Barr, D.N. Hybrid TE-TEA CO<sub>2</sub> laser 1-37051
- Barr, G.W. *see* Martin, T.H. 1-48297
- Barr, H.S. *see* Athale, R.A. 1-41815
- Barr, P.C., Brentrup, R.J. Ada as a signal-processing language? 1-41706
- Barr, V.C. Voids in soldered LHP interconnects are a fact 1-44697
- Barratt, M.J. Collision avoidance as observed by shore based radar 1-29799
- Barratt, P.J.S.B., Brock, T.R., Doucas, G., Greenway, T.J.L., Henwood, A., Holmes, A.R., Hyder, H.R.McK., Knox, A.B., Parker, G.M., Takacs, J. The Oxford folded tandem 1-43124
- Barraut, M.R. *see* Afanasiev, A.A. 1-53578
- Barre, C. *see* Journeau, J. 1-27460
- Barrell, D.G. PW 'Stour' top-band transceiver. I 1-47558
- Barrell, D.G. 'Stour' top-band transceiver. II 1-47560
- Barret, J. Rapid planar thyristors for base control of power transistors 1-27237
- Barret, J.P., Benejean, R., Blanchet, P., Herouard, M., Hugoud, R., Irving, E., Meyer, J.P., Monville, J.P., Negoescu, S. Improving system stability by field voltage control of synchronous machines 1-35151
- Barret, P., Colot, Y., Herouard, M., Meyer, J.P., Michard, J., Monville, J.P. Modelling and tests, and FESSENHEIM power station of a 1080 MVA turbogenerator and of its excitation system 1-49412
- Barrett, D., Frost, M.T., Hamilton, J.A., Harris, K., Harrowfield, I.R., Moresby, J.F., Rand, D.A.J. Laboratory simulated studies of lead-acid traction batteries under duty cycles normal to electric vehicle service 1-53752
- Barrett, D.L. *see* Thomas, R.N. 1-27104, 1-35940
- Barrett, G. *see* Anderson, L. 1-29356
- Barrett, H.H. *see* Gmitro, A.F. 1-30424
- Barrett, J.N. Helicopter night vision systems 1-43412
- Barrett, J.R. *see* Styles, J.R. 1-26811
- Barrett, N.J. *see* Gill, S.S. 1-50771
- Barrett, R. Prospects for the optical disc in the office of the future 1-47817
- Barriga, E., Bazan, G. Energy models in Mexico 1-26854
- Barrington, P.J. *see* Anreac, P.M. 1-29544
- Barron, O.L., Rule, A.R. A microprocessor system for collecting temperature data 1-44508
- Barry, B.E. *see* Mun, J. 1-46309
- Barry, K. *see* Baker, C.C. 1-35016
- Bars, J.L. *see* Le Bars, J.
- Barsan, R.M. Analysis and modeling of dual-gate MOSFETs 1-32821
- Barsan, R.M. Dual-gate MOS transistors: physical models 1-32829
- Barsan, R.M. Dual-gate MOS transistors: experimental characterization 1-32830
- Barsan, V. *see* Mantea, C. 1-33392
- Barsky, M.R. *see* Krasnobajev, N.I. 1-53750
- Barson, F. Method of contacting shallow emitters 1-32800
- Barson, F. Improved NPN process and structure 1-36597
- Barsukova, M.L., Karimov, B.Kh., Kuznetsov, V.A., Magomadov, R.M., Fridkin, V.M. Photovoltaic effect in a Bi<sub>2</sub>TiO<sub>20</sub> piezoelectric 1-33119
- Bart, G. *see* Fenster, S. 1-43027
- Bart, G.R. *see* Warnock, R.L. 1-43029
- Barta, S. *see* Hladky, O. 1-48033
- Bartch, D.W. *see* Broughton Deal, S. 1-50718
- Bartel, M. A multi-function timer for measurements 1-42645
- Bartelink, D.J. Limits of applicability of the depletion approximation and its recent augmentation 1-36450
- Bartelink, D.J. *see* Biegelsen, D.K. 1-27090
- Bartel's, E.O. Experience in using the TTUMS-5 radio-relay trunks [TV broadcasting applications] 1-47543
- Bartels, G. *see* Tolkendorf, W. 1-39780
- Bartels, J., Hakansson, K. Factory-assembled sub-stations save time and eliminate complications 1-35206
- Bartels, O. Simple code-lock 1-32361
- Bartelt, H. Spatial frequency coloring and feature coloring 1-41805
- Bartelt, H.O. White light transmission and processing of images 1-29223
- Barth, H. A wideband, backshort-tunable second harmonic W-band Gunn-oscillator 1-45683
- Barth, H. *see* Wendtlandt, B. 1-34064
- Barth, S. *see* Pfahrl, R. 1-34323
- Barth, W. *see* Benichou, J. 1-52639

- Barthel, G.** *see* Kutschera, J. 1-43352, 1-52782
- Barthelemy, A.**, Piasecki, J. Subpicosecond temporal display of fiber mode patterns by coherent optical filtering 1-36880
- Barthelemy, A.**, Piasecki, J., Froehly, C. Subpicosecond cinematographic display of modes of a fiber 1-40934
- Barthelemy, A.**, Piasecki, J., Froehly, C. Recording and selection of an optical fiber mode by coherent optical spectroscopy 1-51183
- Barthelemy, J.P.** A newcomer in energy storage: the ACE 1-44388
- Bartholomew, B.J.** *see* Athale, R.A. 1-41815
- Bartholomew, R.F.**, Revitz, M., Shepard, J.F. Hole opening in polysilicon by selective doping and removal technique 1-50880
- Bartholomew, R.F.**, Revitz, M., Shepard, J.F. Structure using FET selective etching to produce small dimensions 1-51023
- Bartko, J.** *see* Eddy, J.K. 1-36687
- Bartl, B.** *see* Tschirnich, J. 1-51340
- Bartle, C.M.**, Brooks, F.D., Jones, D.T.L., McMur-ray, W.R., Verbruggen, R. A high flux associated particle neutron source 1-30311
- Bartle, P.M.**, Stockham, N.R. Acoustic emission studies in offshore engineering 1-27196
- Bartlett, C.J.**, Schoenberg, L.N. PCB lines and spaces: how fine? 1-50672
- Bartlett, D.F.**, Duncan, A.L., Elliott, J.R. After-pulses in a photomultiplier tube poisoned with helium 1-27768
- Bartlett, D.F.**, Soo, D., Fleischer, R.L., Hart, H.R., Jr., Mogro-Campero, A. Search for cosmic-ray-related magnetic monopoles at ground level 1-52724
- Bartley, P.G., Jr.** The practicality of processing undersampled waveforms 1-41780
- Bartolac, T.J.**, Gardner, D.S., Bozler, H.M. Microprocessor control of a superconducting magnet for adiabatic demagnetization 1-28408
- Bartoletti, C.**, Ciffi, M., Sacerdoti, G. Instrument for measuring network impedance under voltage 1-38735
- Bartoli, F.J.** *see* Meyer, J.R. 1-40374
- Bartolini, R.A.** Media for high density optical recording 1-34100
- Bartolini, R.A.** Media for high-density optical recording 1-40884
- Bartolomei, B.**, Bovo, A. A microprocessor unit for supervision and maintenance of trunk network in a digital toll exchange 1-29558
- Barton, D.S.**, Witkov, R.L. Negative ion source tests for H<sup>-</sup> injection at the Brookhaven AGS 1-43183
- Barton, G.** Aircraft manufacturers approach to the EMC/avionics problems associated with the use of composite materials 1-33367
- Barton, G.T.** *see* Li, T.P.L. 1-45837
- Barton, H.R., Jr.**, Mulholland, G.T., Nicholls, J.E. Multi-level computer simulation of the Energy Saver cooling provisions 1-42833
- Barton, J.** *see* Simankova, L. 1-42400
- Barton, J.B.** *see* Dabrowski, A.J. 1-34449
- Barton, M.L.** *see* Riemersma, H. 1-44163
- Barton, P.**, Waddoup, W.D. Reduction of tracking errors induced by multipath at low elevation angles 1-29807
- Barton, P.J.**, Bhattacharya, S., Herdizik, R.J. Quench test for ascertaining quartz-cracking susceptibility 1-46039
- Barton, R.** *see* Dornan, B. 1-27325
- Barton, R.W.** *see* Schwarz, S.A. 1-40467
- Barton, T.H.** *see* Nichols, S.T. 1-53743
- Bartoo, R.** *see* Schlotterbeck, D.L. 1-38604
- Bartram, A.** Reducing power supply ripple 1-27285
- Bartram, T.** ATE procurement—what the hardware man didn't tell you 1-52846
- Bartsch, H.** *see* Klages, R. 1-32620
- Bartush, T.A.** Dual dielectric for multilevel metal 1-32734
- Bartush, T.A.**, Brooks, G.A. Etchback planarization process 1-27899
- Bartush, T.A.**, Brooks, G.A. Composite insulators [for integrated circuits] 1-46198
- Bartush, T.A.**, Brooks, G.A., Chiu, G.T. Hermetic seal process for multilevel metallurgy 1-50011
- Bartz, W.J.** *see* Haddad, N. 1-52563
- Barua, A.K.** *see* Ray, S. 1-40414
- Baruh, J.S.** Method and algorithm for computation of eigenvectors for real matrices with multiple complex eigenvalues 1-32021
- Barvet, S.**, Degout, R., Obregon, J. FET model applied to solid state circuits design 1-36345
- Barvet, S.** *see* Obregon, J. 1-32215, 1-45667
- Barwick, R.H.**, Dearman, K.W.J. Flexible conduits and their end fittings 1-27674
- Barycka, I.**, Boratynski, B., Ohly, T., Szreter, M., Teterycz, H., Ikanowicz, O. Use of an electron beam to separate semiconductor devices with beam leads 1-27909
- Barycka, I.**, Holodnik, B., Misiuk, A. Ni-P as a new material for thick film technology 1-27720
- Baryshev, S.A.**, Pryalkin, V.I., Kholodnykh, A.I. Widely tunable parametric light generator based on a Ba<sub>2</sub>NbNb<sub>2</sub>O<sub>15</sub> crystal 1-41146
- Baryshev, V.G.** *see* Plaksii, Yu.S. 1-36813
- Baryshev, V.I.**, Gol'din, G.N., Shpilevskaya, L.I. Regulating the pH of the drainage water from a steam power station by joint combustion of fuels 1-49279
- Baryshnikov, F.F.**, Lisitsa, V.S., Sukhin, S.A. Adiabatic population inversion and nonlinear light absorption by accelerating atoms 1-33168
- Barzykowski, J.**, Fidos, M. Hall generator rotational speed converter. Eddy current effects 1-30097
- Basa, F.**, Palik, F. Tribological problems of high-speed traction gear 1-31535
- Basano, L.**, Ottonello, P. Introduction to sampling theory via low-cost transient recorder 1-44611
- Basar, T.** On the saddle-point solution of a class of stochastic differential games 1-39517
- Basaran, M.** *see* Schmid, F. 1-50315
- Basargin, U.G.** Possible applications of proton storage rings. I. High-power RF frequency converter 1-49578
- Basati, R.S.** *see* Mathur, R.M. 1-43639
- Basawa, I.V.** Efficient conditional tests for mixture experiments with applications to the birth and branching processes 1-35747
- Basedow, G.** Properties of electrical stepping motors 1-35204
- Basevich, M.G.** Lighting the V.I. Lenin sports-concert complex in Leningrad 1-31658
- Basevich, Ya.S.**, Zakharov, A.A. Synthesis of ideal frequency multipliers and dividers 1-40198
- Bash, D.** Yagi antenna 1-51704
- Basharin, A.V.**, Basharin, I.A., Belov, A.V. A computer method for determining self-excited oscillations and their parameters in nonlinear control systems [servo drives] 1-31512
- Basharin, G.P.**, Kokotushkin, V.A., Naumov, V.A. On a method of equivalent replacements of computation of fragments of communication networks for a digital computer. II 1-37742
- Basharin, I.A.** *see* Basharin, A.V. 1-31512
- Bashford, K.H.** *see* Mitchell, R.M. 1-49927
- Bashir, A.** *see* Revankar, G.N. 1-49567
- Bashkin, A.S.**, Vagin, N.P., Gerasimov, S.N., Oraevskii, A.N., Porodnikov, O.E., Prishchepa, M.I. Experimental investigation of the possibility of efficient extraction of energy from the active medium of a DF-CO<sub>2</sub> amplifier of nanosecond radiation pulses 1-28661
- Bashkirkii, N.N.**, Krivikh, V.D., Sukhorukov, A.V. Improvement in the burst safety and reliability of heating boilers 1-53239
- Bashnin, O.I.**, Semenov, V.V., Stepura, E.F. Equipment for group control of real power and frequency of hydroelectric power-plant units 1-31090
- Bashtannikov, L.A.**, Bondarenko, V.I., Sebko, V.P., Tyupa, V.T. Determination of the electromagnetic characteristics of the material in solid cylindrical parts 1-38272
- Bashtin, A.N.** *see* Bashtin, N.A. 1-41514
- Bashtin, N.A.**, Bashtin, A.N. The possibility of increasing digital data transmission speed in Morse code communications systems 1-41514
- Basile, G.L.**, Vitone, N. The theory of the asynchronous motor with a solid grooved rotor 1-44077
- Basile, M.**, Berbers, J., Cara Romeo, G., Cifarelli, L., Contin, A., D'Ali, G., Di Cesare, P., Esposito, B., Favale, L., Giusti, P., Laakso, I., Marrian, C., Massam, T., Nania, R., Palmonari, F., Rohrbach, F., Rossi, V., Sartorelli, G., Spinetti, M., Susinno, G., Valenti, G., Votano, L., Zichichi, A. Primary ionization measurement in a large avalanche chamber for free quark detection 1-43250
- Basile, M.**, Cara Romeo, G., Castelvetti, A., Cifarelli, L., Contin, A., D'Ali, G., Di Cesare, P., Esposito, B., Favale, L., Guisti, P., Laakso, I., Marrian, C., Masetti, M., Massam, T., Nania, R., Palmonari, F., Rohrbach, F., Rossi, V., Sartorelli, G., Spinetti, M., Susinno, G., Valenti, G., Votano, L., Zichichi, A. Automatic ionization measurement in avalanche chamber pictures 1-43251
- Basin, Yu.G.** *see* Isachenko, V.I. 1-31337, 1-49540
- Basler, B.**, Korosi, A. Combustion of fuels with low hydrogen content in BBC gas turbines 1-31049
- Basol, B.M.**, Stafsudd, O.M. Determination of trap parameters in electrodeposited CdTe by Schottky barrier capacitance measurements 1-32655
- Basol, B.M.**, Stafsudd, O.M. Optical absorption coefficients from short-circuit current measurements of solar cells 1-44353
- Basov, N.G.**, Glotov, A.P., Danilychev, V.A., Kotev, V.N., Soroka, E.M. Characteristics of supersonic flow of a laser mixture in a closed gas-dynamic loop 1-46696
- Basov, N.G.**, Zuev, V.S., Kanaev, A.V., Mikheev, L.D., Stavrovskii, D.B. Stimulated emission from the triatomic excimer Kr<sub>2</sub>F subjected to optical pumping 1-51375
- Basov, Yu.G.**, Bochkano, A.E., Gusakov, G.M., Dmitrov, V.M., Mazurenko, S.N., Shchukin, L.I. About one of the process applications of flash lamps in microelectronics 1-31649
- Basov, Yu.G.**, Boldyrev, S.A., Sopin, A.I., Fomin, V.V. Instability of the radiation energy of dye lasers pumped with a coaxial lamp 1-33205
- Bass, A.**, Blumberg, R.J., Brenner, S., Scarpero, W.J. T<sup>2</sup>L receiver circuit 1-27420
- Bass, F.** *see* Benemann, J. 1-43860
- Bass, J.** Research and development [IC technology] 1-50988
- Bass, S.** *see* Anderson, R.T. 1-50041
- Bass, S.C.**, Grundmann, J.W. Expected value analysis of combinational logic networks 1-32275
- Bass, S.C.** *see* Goeddel, T.W. 1-47848
- Bass, S.J.** *see* Wight, D.R. 1-28568
- Bassaragette, A.** Reduction and display of eye-height of teletext signal 1-38035
- Basset, R.**, McCombs, M.D. Production bipolars edge out FETs at 4 GHz 1-32802
- Bassetti, M.** Effects due to the discontinuous replacement of radiated energy in an electron storage ring 1-48500
- Bassi, A.** Automotive electronics, systems and components 1-39193
- Bassi, A.** *see* Arcari, F. 1-39198
- Bassi, E.**, Dallago, E., Petrecca, G., Savini, A., Lisi, G. Digital simulation of current source self-controlled synchronous drive 1-53711
- Bassi, E.** *see* Anzaldi, E. 1-31526
- Basso, A.** Circuits for radio amateurs 1-29876
- Bassompierre, G.** *see* Arnault, C. 1-43246
- Bassompierre, G.** *see* Declais, Y. 1-30359
- Bassous, E.**, Kaplan, L.H., Lin, B.J. Acridine and acridine derivatives in photolithography: application as deep UV mask materials for high resolution microlithography 1-27896
- Bast, J.A.** *see* Asher, J.A. 1-31407
- Basterfield, R.** Transposing master tone generator 1-42464
- Bastiaans, M.J.** Sampling theorem for the complex spectrogram, and Gabor's expansion of a signal in Gaussian elementary signals 1-29185
- Bastiaans, M.J.** A sampling theorem for the complex spectrogram, and Gabor's expansion of a signal in Gaussian elementary signals 1-51826
- Bastuscheck, C.M.**, Williamson, S.J. Detection of iron stores in the human body using magnetic susceptibility 1-48684
- Basu, B.N.**, Sinha, A.K. Dispersion-shaping using an inhomogeneous dielectric support for the helix in a travelling-wave tube 1-32557
- Basu, B.N.** *see* Sinha, A.K. 1-46974
- Basu, K.P.**, Shafey, A. Ground fault protection in the insulated neutral high voltage distribution system 1-43674
- Basu, S.** *see* Bose, D.N. 1-50280
- Basu, S.** *see* Broadhead, J. 1-53607
- Basu, T.K.** *see* Sontakke, T.R. 1-34753, 1-53300
- Basu, T.K.** *see* Umamaheshwar, V. 1-35169
- Bataev, V.M.**, Bratchenko, V.N., Makhotina, E.A., Slobodnyak, V.P., Uzielevskii, V.A. TV method for optimization of color reproduction processes 1-52242
- Batalina, M.A.**, Burlakov, I.D., Vlasov, A.N., Stafeev, V.I. Neuristor line made of S-type germanium diodes 1-36593
- Batch, B.A.** *see* Adami, H. 1-49531
- Batchelder, J.S.**, Zewail, A.H., Cole, T. Luminescent solar concentrators 1-35382
- Batchelor, A.S.**, Pearson, C.M., Halladay, N.P. The enhancement of the permeability of granite by explosive and hydraulic fracturing 1-53293
- Batchelor, B.G.** Computer vision for automation 1-39419
- Batchelor, K.**, Galayda, J., Hawrylak, R. RF cavity design for the NLSL 1-43082
- Batchman, T.E.** *see* Gimpelson, G. 1-42614
- Batchman, T.E.** *see* Howell, B.P. 1-40215
- Batchman, T.E.** *see* Mears, C.L. 1-41020
- Bate, G.** Recent developments in magnetic recording materials 1-46414
- Bate, G.**, Hampton, G.J., Latta, B.J. A 5 megabyte flexible disk 1-40799
- Bateman, M.R.**, Liu, B. Programmable CTD filtering using coefficients 0, +1, and -1 1-45444
- Bateman, M.R.** *see* Liu, B. 1-36264
- Bates, B.D.**, Khan, P.J. Analysis of waveguide IMPATT oscillator circuits 1-45670
- Bates, B.D.**, Khan, P.J. Multistage negative-resistance amplifier circuit design using nonideal circulators 1-50624
- Bates, B.D.**, Swanson, A.L. Transformer cooler defers substation expansion 1-35232
- Bates, C.W.** Photoemission from Ag-O-Cs 1-45852
- Bates, C.W., Jr.**, van Atekm, T.M., Wertheim, G.K., Buchanan, D.N.E., Clements, K.E. X-ray photoemission studies of superficially oxidized cesium antimonide photoemitters 1-27749
- Bates, J.C.** *see* Sadler, M.A. 1-49269
- Bates, J.F.** *see* Meehan, W.J. 1-43616
- Bates, J.L.** *see* Rupaal, A.S. 1-46345

- Bates, R.H.T., Millane, R.P. Time domain approach to inverse scattering 1-37293
- Bates, R.J.S. Methods of calculating the error rate of digital transmission systems 1-41478
- Bates, R.N., Coleman, M.D., Nightingale, S.J., Davies, R. E-planes drop millimeter costs [integrated circuits] 1-32402
- Bateson, J.E., Siegl, L.R., Thomas, D.C., Jr. Precision optical emitters 1-46595
- Batev, K.P. *see* Dishkov, P.S. 1-48745
- Batey, M.A. Recognizing system-to-system telephone calls 1-29488
- Bathe, K.J., Gracewski, S. On nonlinear dynamic analysis using substructuring and mode superposition 1-39691
- Bathe, K.J. *see* Rammerstorfer, F.G. 1-39659
- Batho, E.K. *see* Llacer, J. 1-34586
- Batignani, G. *see* Amendolia, S.R. 1-43238
- Batirov, T.M., Fridkin, V.M., Kamarzin, A.A., Malovitskii, Yu.I., Verkhovskaya, K.A. Photoconductivity and anomalous photovoltaic effect in cubic piezoelectric  $\text{La}_2\text{S}_3$  1-46616
- Batishche, S.A., Burakov, V.S., Gladushchak, V.I., Kostenich, Yu.V., Mostovnikov, V.A., Moshkalev, S.A., Naumenkov, P.A., Razdobarin, G.T., Rubinov, A.N., Semenov, V.V., Tarasenko, N.V., Shreider, E.Ya. Third-harmonic generation at the hydrogen  $\text{L}\alpha$  line in a gas mixture 1-33282
- Batishche, S.A., Burakov, V.S., Kostenich, Yu.V., Mostovnikov, V.A., Naumenkov, P.A., Tarasenko, N.V., Gladushchak, V.I., Moshkalev, S.A., Razdobarin, G.T., Semenov, V.V., Shreider, E.J. Optimal conditions for third-harmonic generation in gas mixtures 1-46788
- Battle Grabulosa, J. Electronic combination with delayed aperture 1-45348
- Batov, V.G. *see* Blinov, V.N. 1-31729
- Batow, S., Lakow, M., Bakalow, G. Some aspects of the use of nuclear energy for sea water desalination 1-44572
- Batow, S., Schuschulow, K. Some peculiarities of heat transfer from nuclear energy sources 1-43838
- Batson, B.H. *see* Weber, C.L. 1-29253
- Batson, P. *see* Avery, R. 1-42826
- Batt, R.J. The measurement of propagation characteristics of the atmosphere at 890 GHz using an open resonator technique 1-48868
- Batt, R.J. Application of pyroelectric devices for power and reflectance measurements 1-52552
- Batt, R.J. *see* Harris, D.J. 1-48218
- Battaiotto, R.F. *see* Catalfo, J.M. 1-31249
- Batteh, J.H. *see* Lax, M. 1-28867
- Battesti, J. The frequency dependence of the attenuation of radio waves as a result of rain 1-41229
- Battison, E.J. *see* Lowe, P.A. 1-49663
- Battista, C.E. *see* De Battista, C.E.
- Battista, M.A. *see* Banker, D.C. 1-36549
- Battisti, S., Heymans, P., Kenaghan, J., Philippe, J., Rohrer, F., Sigaud, E. A flexible wide-band analogue network for digital signal display on operator consoles 1-42801
- Battisti, S. *see* Baribaud, G. 1-42939
- Battiwala, F., Keste, M., Steinemer, N. 3AF single-pole vacuum switch for  $16\frac{2}{3}$ -Hz-railway mains 1-35267
- Battiwala, F., Rimmrott, M., Fink, H., Schultz, W. 3AF vacuum circuit-breakers and 3TL vacuum contactors in system operation 1-35289
- Battiwala, F., Schatz, R. Electrical tests on 3AF vacuum circuit-breakers 1-35285
- Battle, T.A. *see* Dominy, J.R. 1-53217
- Battler, A. *see* Dagan, J. 1-34624
- Battocletti, J.H., Halbach, R.E., Salles-Cunha, S.X., Sances, A., Jr. The NMR blood flowmeter—theory and history 1-43307
- Battocletti, J.H. *see* Halbach, R.E. 1-43308
- Battocletti, J.H. *see* Salles-Cunha, S.X. 1-43309
- Battrawi, M.H. *see* El-Wahab, M.A. 1-34455
- Baty, D.L., Watkins, M.L. An advanced electronic cockpit instrumentation system: the coordinated cockpit display 1-30510
- Batygin, Yu.V., Volovik, V.D., Ivanov, S.I., Karasev, S.P., Makhnenko, A.E. Determination of beam profile in accelerator by acoustic dosimetry 1-52646
- Batyunya, B.V. *see* Vasiliev, V.V. 1-48466
- Bauch, H. Advances in transmission technology for broadband services 1-29854
- Bauch, H. To the preparation of reliability rules for medium-voltage distribution networks with rated voltages up to 20 kV 1-30719
- Bauch, H. *see* Kleber, W. 1-44545
- Bauck, R.C., Palmer, D.D. Linear actuator 1-44310
- Baud, A., Gribet, J. 'Flexirep' a new method of repairing average voltage machine coils 1-53345
- Baud, J.-C. High performance laboratory power supplies 1-36086
- Baud, R. *see* Assimacopoulos, L. 1-41980
- Bauder, P. Development of uranium mining in Australia 1-30922
- Baudet, P. Noise behaviour and practical realization of gallium arsenide field effect transistors for microwaves 1-36612
- Baudet, P. Power gallium arsenide metal field effect transistor: design and technology 1-36613
- Baudet, P. *see* Binet, M. 1-36614
- Baudon, Y., El Zawawi, A., Ivanov, M. Homopolar linear synchronous motor: steady state analysis and experimental results 1-31256
- Baudon, Y. *see* El Zawawi, A. 1-35440
- Baudry, A., Brillet, J., Desbats, J.M., Lacroix, J., Montignac, G., Encenaz, P., Lucas, R., Beaudin, G., Dierich, P., Germont, A., Landry, P., Rerat, G. A new spectroscopic facility at millimetre wavelengths 1-42366
- Bauduin, S., Bolon, Ph. A paper sheet contactless linear speed measurement 1-52584
- Baudus, B. *see* De Baudus, B.
- Bauer, B., Brehm, K. The Hi-Fi stereo cassette recorder unit SK 900 1-42471
- Bauer, B. *see* Egelhof, P. 1-43163
- Bauer, E., Dietz, H. Porcelain and composite longrod insulators—a solution for future line requirements 1-34913
- Bauer, G. Low-loss and low-noise transformer cores 1-53503
- Bauer, L. Energy reserves and energy resources: situation in 1980 1-53171
- Bauer, R.S. *see* Brillson, L.J. 1-46000
- Bauer, W., Brandelik, A., Citron, A., Graf, F., Halbritter, H., Herz, W., Noguchi, S., Lehm, R., Lehmann, W., Szecsi, L. Measurements on a superconducting accelerating cavity for DORIS 1-43110
- Bauer, W., Rorick, W., Singer, E. In-process behavior of moulding material 1-32098
- Bauer, W., Stach, M. Television system for Hong Kong underground railway 1-52265
- Bauerfeind, E. Detection and treatment of measurements in traction testing 1-27194
- Bauermeister, K. Electric vehicles with asynchronous motor drive 1-53723
- Bauers, K.B. *see* Chin, A.K. 1-51290
- Bauhahn, P. *see* Jamison, S. 1-45682
- Bauhofer, W. Determination of semiconductor energy gaps using the microwave cavity perturbation method 1-47895
- Bauhofer, W. *see* Wei Ce-jun 1-30248
- Baukin, I.S. *see* Aliev, A.O. 1-40433
- Baukov, N.A., Devlyatova, B., Alymkulov, K.A., Guselnikov, E.M., Bul, B.K. Investigation of forced operation regimes of electromagnets for induction motors using built-in braking 1-35172
- Baukov, N.A. *see* Alymkulov, K.A. 1-31330
- Baulin, V.I., Leuskiy, V.Ye., Strukov, I.A. 3-mm band varistor frequency converter 1-36331
- Baum, G. Polarized electron sources 1-43146
- Bauman, A.H., Cole, A.S., Joy, E.F. Electrical connectors 1-36391
- Bauman, A.H. *see* Ballier, L. 1-28599
- Bauman, S., Nelson, J.W., Hudson, G.M. An ion-beam analysis facility 1-38328
- Baumann, H. *see* Langfeld, R. 1-27928
- Baumann, J.L., Boykin, W.H., Jr. Performance interactions: terminal homing missiles and target designation systems 1-42329
- Baumann, J.L. *see* Pinson, L.J. 1-47956
- Baumberger, J. Hammer flight time transducer and measurement 1-34252
- Baumel, L.M. *see* Cadieu, F.J. 1-28307
- Baumert, R., Broser, I. A tunable CdS polariton-laser 1-41076
- Baur, G. The influence of material and device parameters on the optical characteristics of liquid crystal displays 1-48163
- Baur, G. *see* Pohl, L. 1-28531
- Baur, P.S. Controlling fugitive-dust emissions 1-43938
- Baur, P.S. Control coal quality through blending 1-43943
- Baur, P.S. How much life is left in your boiler? 1-43944
- Bausch, H., Kobler, H.-J. Magnetic fields in traction machines for electric cars 1-53409
- Bausch, H., Rieke, B. Performance of thyristor-fed electric car reluctance machines 1-53414
- Baushev, V.N. *see* Aliev, F.M. 1-33093
- Bausiere, R., Seguior, G. Improvement of the static frequency doubler 1-31309
- Baust, E., Wittchow, G. The high temperature reactor—results and perspectives 1-43857
- Bautin, A.V., Polyakov, Yu.A. Measurement of unsteady heat flux 1-30276
- Bava, E. *see* De Marchi, A. 1-48195
- Bavaria, G., Brassard, C., Hinrichsen, P.F., Labrie, J.P., Martin, J.P. A chopper-buncher design for the Montreal CW electron accelerator 1-48432
- Bawa, M.S. Using nomograph method for costing PV systems 1-35394
- Bax, M., Bayliss, M. Don't forget the diver's NDT inspection training 1-31775
- Baxa, E.G., Jr., Hoffman, S.D. On leakage reduction associated with spectral power domain averaging to improve estimate quality 1-37599
- Baxter, J.V., Matthews, K.A. Large scale integration and packaging technologies for telecommunication equipment 1-50004
- Baxter, L.A. Some remarks on numerical convolution 1-45044
- Baxter, R.A., Devasirvatham, D.M.J., Kwan, B.W., Hodge, D.B. COMSTAR and CTS angle-of-arrival measurements 1-28888
- Baxter, V.E. *see* Duvall, L., Jr. 1-41518
- Baxter, W., Mok, T. Second-generation PCM codec and filter devices 1-29532
- Baxter, W. *see* Williams, J.A. 1-28863
- Bayanov, B.F., Cheryakin, A.D., Karasyuc, V.N., Silvestrov, G.I., Vsevolozhskaya, T.A., Volohov, V.G., Willewald, G.S. The antiproton target station on the basis of lithium lenses 1-48465
- Bayer, C. *see* Fleurot, N. 1-34479
- Bayer, E.H., Jung, G., Marinaccio, F.A., Marsh, R.L., Rozich, W.R. Photoresist process for high current ion implant processing 1-40641
- Bayer, E.H., Kranik, J.R., Mueller, W.F. Cryopanel/heat absorber to enhance wafer cooling during ion implantation 1-40497
- Bayer, F. A sine wave generator using Walsh functions 1-39978
- Bayer, F. Mr. Walsh's discovery [Walsh functions] 1-41491
- Bayer, J.F. Method of forming a terminating lug on a cable or wire 1-40263
- Bayer, K.-H. Analog real-time models for simulating variable frequency converter fed AC drives 1-35416
- Bayer, W., Buschmann, G. Effect of faults in high voltage power supply systems on industrial networks supplying induction motors 1-48994
- Bayer-Helms, F. Frequency stabilised lasers with iodine measuring cell 1-28625
- Bayfield, J.E. *see* Saylor, T.K. 1-38372
- Baykowski, J., Brzezinska, D., Budzynski, T., Jagodzinski, P., Kaczmarczyk, J., Kunicki, J., Smolinska, E., Szczuk, K. Technology of two-sided junction insulation in digital bipolar LSI circuits 1-28088
- Bayle, L.-J. *see* Mitran, M.S. 1-41999
- Baylies, W. *see* Ono, M. 1-44741
- Baylies, W.A. A review of flatness effects in microlithographic technology 1-28065
- Bayliss, J.A. *see* Richardson, W.S. 1-32314
- Bayliss, M. *see* Bax, M. 1-31775
- Bayon, J.F. *see* Poignant, H. 1-28447
- Bayoumi, M., Charlot, R. Local voidage measurements in two-phase flow system using an optical probe 1-30280
- Bayraktaroglu, B., Johnson, R.L. Silicon-nitride-gallium-arsenide MIS structures produced by plasma enhanced deposition 1-46013
- Bayunov, V.I., Belosheev, V.P. Inductionless carbon graphite shunt 1-42717
- Bazan, G. *see* Barriga, E. 1-26854
- Bazarra, M.S., Goode, J.J. A least distance programming algorithm for solving linearly constrained nonlinear programming problems 1-44944
- Bazarov, E.N., Gerasimov, G.A., Gubin, V.P., Sazonov, A.I., Starostin, N.I., Fomin, V.V. Stabilization of the emission frequency of a high-pressure waveguide  $\text{CO}_2$  laser with the aid of resonances of saturated absorption in  $^{192}\text{OsO}_4$  molecules 1-51374
- Bazarov, G.P., Bituyrin, V.A., Kufa, E.N., Medin, S.A. Electrical characteristics of MHD generators with solid electrodes and linear potential distribution on end inserts 1-53693
- Bazas, Yu.N. Frequency-deviation determination by means of the method of reducing spectral components to zero 1-37402
- Bazas, Yu.N. Classification of frequency deviation measurements 1-52555
- Bazemal, O. *see* Boquillon, J.P. 1-41067
- Bazhanova, V.A. *see* Kirko, I.M. 1-49713
- Bazhenov, V.Yu., Bogatov, A.P., Gurov, Yu.V., Eliseev, P.G., Okhotnikov, O.G., Pak, G.T., Rakhval'skii, M.P., Soskin, M.S., Taranenko, V.B., Khairetdinov, K.A. Optical heterodyning of radiation from an injection laser with an external dispersive resonator 1-51471
- Bazilevich, R.P. Macrosimulation in problems of electronic block component arrangement 1-39852
- Bazin, C. *see* Auzolle, R. 1-30297
- Bazin, C. *see* Deacon, D.A.G. 1-46661
- Bazin, J.P. *see* Kahn, E. 1-48687
- Bazu, M. *see* Sachelarie, D. 1-27872
- Bazyk, A.I. *see* Akhtyrskii, V.V. 1-31442
- Bazyskin, R.V. *see* Meerovich, E.A. 1-43681
- Bazzhim, Yu., Petrova, V.Z., Tsyvin, A.A., Plekhanov, A.A., Zverev, S.S. Use of vitreous dielectrics for high temperature resistance strain gauges 1-52457
- Bazzocchi, D. *see* Dunat, J. 1-33753
- Beachy, J.A. Weak ideal invariance and orders in Artinian rings 1-31965
- Beal, A. Measurements using the Hall effect 1-40532
- Beale, G.O. *see* Bentley, S.E. 1-31734
- Beale, M. Conditions for synchronisation and corresponding user capacities for spread-spectrum multiple-access systems 1-37665
- Beales, K.J., Day, C.R., Dunn, A.G., Dunn, P.L., News, G.R., Partington, S. Low loss optical fibers with numerical apertures in the range 0.3-0.6 1-28432

- Beales, K.J., Day, C.R., Dunn, A.G., Dunn, P.L., Newns, G.R., Partington, S. Low loss optical fibers with numerical apertures in the range 0.3-0.6 1-46494
- Beales, K.J. *see* Ainslie, B.J. 1-36904
- Beales, K.J. *see* Stern, J.R. 1-42271
- Beamish, N., Priestley, M.B. A study of autoregressive and window spectral estimation 1-44830
- Bean, J.C. Silicon MBE 1-45094
- Bean, J.C. *see* Austin, D.H. 1-28586
- Bean, J.C. *see* Johnson, A.M. 1-33123, 1-46607, 1-46621
- Bean, N.T., Binniger, R.B. A distributed solution to semiconductor manufacturing control: A user's perspective 1-46273
- Bean, S.J. *see* Moradiellos, D.P. 1-50130
- Beanland, D.G. *see* Elliman, R.G. 1-36461
- Beard, D.J. A spaceship simulator 1-38550
- Beard, H.M., Jr., Reichard, G.W., Jr. Modular jack adapter for telephone cords 1-40288
- Beardsley, B.C., Becker, G.C. Limiting error propagation 1-29472
- Beardsley, I.A. *see* Albert, P.A. 1-46409
- Beasley, M., Usher, E.S. Use and extrapolation of barrage measurements in formulating PCM planning rules 1-47508
- Beasom, J.D., Patterson, R.B., III Process characteristics and design methods for a 300° quad op amp 1-36673
- Beaston, J., Kahn, J. Control unit for magnetic tape cassettes. III 1-36815
- Beattie, W.H., Sullivan, J.A. Flash pyrolysis and gasification of coal through laser heating 1-28828
- Beaty, W. Research and development affecting rural electric systems 1-49009
- Beauchamp, K. Computer networking at Csiro 1-29428
- Beauchamp, K.G. John Sargrove—inventor of the first PCB 1-36394
- Beauchamp, R.W. A little preventive medicine can ward off competitive ills 1-29494
- Beaudin, G. *see* Baudry, A. 1-42366
- Beaudoin, R. *see* Hsu, F. 1-45435
- Beaugrand, J. A new multi-purpose camera—the TTV 1525 1-42411
- Beaulieu, P.E. Module thermal clip [hybrid integrated circuits] 1-45830
- Beaumont, A. *see* White, K.I. 1-28504
- Beaumont, R. Factors affecting the design of power transformers 1-44179
- Beaumont, R.A. The tactical spectrum and C<sup>3</sup> state variance: accommodating uncertainty 1-51906
- Beaumont, S.P., Bower, P.G., Tamamura, T., Wilkinson, C.D.W. Sub-20-nm-wide metal lines by electron-beam exposure of thin poly(methyl methacrylate) films and liftoff 1-36544
- Beaupre, C.A. GTD-5 EAX source patch facility 1-47480
- Beausejour, Y., Rizk, F.A.M. Feedback-controlled cascade rectifier source for HV testing of contaminated DC insulators 1-44203
- Beausoliel, R.W. *see* Meese, W.J. 1-40290
- Behar, F. *see* Skalny, J. 1-27741
- Bebhuk, T.S., Eroshina, E.Ya. Determination of thermogravimetric indices of certain glass-reinforced plastics 1-27176
- Bebelaar, D. *see* Rotman, S.R. 1-28677
- Bebelaar, D. *see* Roxlo, C.B. 1-28682
- Beccari, C., Molinaro, M. Optimum weighted approximation of band pass filters 1-50538
- Becchetti, F., Chao, Ch., Martin, B., Michaelsen, R., Spellmeyer, B., Ziegler, K. Measurement of charge exchange losses in the VICKSI cyclotron 1-48388
- Becchetti, F., Chao, Ch.-W., Martin, B., Michaelson, R., Spellmeyer, B., Ziegler, K. The VICKSI accelerator facility and its application to measurements of charge exchange losses 1-38330
- Becchetti, F.D., Ristinen, R.A., Peterson, R.J., Hamill, J.J., Thorn, C.E., Entine, G. Pulse height response of Cd-Te to heavy ions 1-38413
- Bechade, R.A., Hoffman, W.K. Programmable arithmetic/logic circuit 1-40045
- Bechen, P. *see* von Bechen, P.
- Bechis, D. *see* Mueller, J.J. 1-34441
- Bechtle, D. *see* Taylor, G.C. 1-46180
- Bechtold, B. *see* Kovacs, K. 1-43587
- Bechtold, V., Freidrich, L., Baran, W., Ervens, W., Kessler, S. Design and test of a 700 mm long hexapole composed of rectangular rare earth cobalt permanent magnets 1-51092
- Beck, A.H.W. Outstanding problems in microwave values 1-32563
- Beck, B. Uninterruptible power supplies and the Heemaf system 1-49029
- Beck, F. *see* Altaber, J. 1-48318
- Beck, J.D., Chapman, R.A., Kinch, M.A., Borrello, S.R., Roberts, C.G. Increased charge capacity in Hg<sub>1-x</sub>Cd<sub>x</sub>Te MIS devices using a ramped gate voltage 1-28045
- Beck, P.M. *see* Rosenthal, L.A. 1-45758
- Beck, R. A general modulation method for the reconstruction of periodic-nonuniformly sampled bandwidth-limited signals 1-45504
- Beck, R.N. *see* Yasillo, N.J. 1-34588
- Becke, L. Model development tests for a new type of pump turbine 1-38928
- Beckenbaugh, W.M., Dinella, D., Polakowski, T.D. A new process for patterning printed wiring boards 1-50687
- Becker, D., Findeisen, B. Microelectronics guiding automobile drivers [radio transmission of information] 1-29648
- Becker, D., Schmidt, P. Integration of telecommunication services in digital networks. I. Digital networks and switching exchanges 1-42127
- Becker, D., Schmidt, P. Integration of data services in digital networks. II 1-47301
- Becker, G.C. *see* Beardsley, B.C. 1-29472
- Becker, H., Schmalz, F. Small, self-contained power plants 1-43968
- Becker, J.F. *see* Gibson, T.A., Jr. 1-52813
- Becker, K., Kremer, M. Electrostatic charges—a problem which can be overcome 1-33309
- Becker, K.-P., Clos, G., Spath, H. A measuring real time analogue computer for converter fed induction machines 1-35173
- Becker, M. *see* Hayashi, S.A. 1-52651
- Becker, M. *see* Mulligan, G.A. 1-34765
- Becker, N. The infectiousness of a disease within households 1-35745
- Becker, P.W. On systems with redundancy and their inherent bounds on achievable reliability 1-44760
- Becker, R. Synthesiser sequencer 1-38053
- Becker, R.A. *see* Oates, D.E. 1-36738, 1-36792
- Becker, S. *see* Hobbs, R.W. 1-48824
- Becker, T.H., Gross, E.E., Trammell, R.C. Characteristics of high-rate energy spectroscopy systems with time-invariant filters 1-34515
- Becker, U., Steuer, M., Burger, J., White, M. Drift-tube arrays for high spatial resolution 1-30337
- Becker, W. Increasing the frequency of a free electron laser by means of a linearly polarized magnetic field 1-46668
- Becker, W., Muller-Hellmann, A. Analysis of sector-controlled single-phase bridge-converters 1-44182
- Beckers, H., Eschweiler, R. Application of the process computer ATM 80-30 in central observation posts in coal mines 1-52266
- Beckers, R.M. *see* Lord, R.S. 1-42893
- Beckert, U., Neuber, W. A new slip measuring method with high precision 1-35162
- Beckert, U., Neuber, W. Contribution to the dynamics of drives with three-phase induction motors 1-39139
- Becket, F.J. Electron beam welding—applications for the '80's 1-44558
- Beckley, W.R. Grounding techniques in Bell System central offices 1-42091
- Beckman, W.A. *see* Siegel, M.D. 1-49360
- Beckmann, E.C. Digital facsimile—its present and future roles 1-47365
- Beckmann, R. *see* Ulbricht, J. 1-43171
- Becla, P., Lagowski, J., Gatos, H.C., Ruda, H. A modified approach to isothermal growth of ultrahigh quality HgCdTe for infrared applications 1-50284
- Bedair, S.M., Timmons, M.L., Simons, M. Growth and characterization of cascade solar cells 1-53685
- Bedair, S.M. *see* Timmons, M.L. 1-36585
- Beddies, G. Electrical properties of flash-evaporated chromium disilicide layers 1-36356
- Beddoe, B.S. Improved stepper motor drive 1-35201
- Beddok, J. *see* Huriau, A. 1-47523
- Beddows, R.G. *see* Lane, H.W. 1-26840
- Bedeaux, D., Mazur, P. Stability of inhomogeneous stationary states for the hot-spot model of a superconducting microbridge 1-28358
- Bedford, R. Design of a programmable TDMA terminal 1-29512
- Bedford, R. *see* Nuspl, P.P. 1-47638
- Bedford, R.E. *see* Bhagwat, R.T. 1-49455
- Bedi, B.S. Closed-circuit television: application areas and perspective for India 1-47812
- Bedillo, M.R., Beisembaeva, Kh.B., Saidov, R. The effect of reactor and  $\gamma$ -rays on the ruby laser function 1-46716
- Bednar, J.B. Automatic order selection in the design of IIR filters 1-41762
- Bednarski, T. Application and optimality of the chi-square test of fit for testing  $\epsilon$ -validity of parametric models 1-50164
- Bednarz, B. *see* Nawara, L. 1-46805
- Bednyi, B.I., Kalinin, A.N., Karpovich, I.A., Tikhov, S.V. Thermally induced changes in the electronic state of the surface of GaAs 1-32651
- Bednyi, B.I., Shilova, M.V., Tikhov, S.V., Karpovich, I.A. Influence of anodic oxidation on the photoconductivity and surface state of epitaxial GaAs 1-37009
- Bedrosian, S.D. *see* Pierantozzi, D.C. 1-45162
- Bedsworth, P.A. Validation and verification standardization and techniques for increased TPS development efficiency 1-35661
- Bedwell, M.O. *see* Renner, K.W. 1-34504
- Beebe, E.N. *see* Kostroun, V.O. 1-43178
- Beebe, M. *see* Kihm, T. 1-47736
- Beechy, D., Bogert, D., Segler, S., Watts, T. A microprocessor based function generator for superconducting dipole correction coils 1-42953
- Beefink, F.M. Quality control of reed contacts 1-45733
- Beems, P.L.M. The Heemaf dynamic diesel UPS system 1-43972
- Beer, A. Falling costs put PWM control into industry [motor speed regulation] 1-44393
- Beer, A., Bourgeois, F., Critin, G. MIMOSA - A 32 channel 40 MHz Camac scaler 1-29996
- Beer, G.A. *see* Hargrove, C.K. 1-43237
- Beer, M., Rose, P. Implementation of the SAM-CE Monte Carlo benchmark analysis capability for validating nuclear data and reactor design codes 1-53222
- Beer, T. Walsh transforms 1-33480
- Beers, G.E. Stepper motor sequencing 1-31261
- Beers, G.L., Belar, H. Frequency-modulation distortion in loudspeakers 1-38071
- Beers, H.R. Non-latching short-circuit protect for I/O drivers 1-45566
- Beesley, P. *see* Blower, R.W. 1-49636
- Beeston, J.A. Display of oscillations and resonance in tuned circuits 1-30012
- Beetz, E., Borris, B. New aspects of water quality for district heating systems 1-49247
- Beeve, M.H. *see* Kashyap, R. 1-36894
- Beex, A.A. *see* Scharf, L.L. 1-37633
- Befu, M. *see* Ohnishi, K. 1-40475
- Beg, M.A. Exponential family distribution with unknown truncation parameter: two sample problem 1-39534
- Beg, M.A. A note on the estimation of  $\Pr\{Y < X\}$  for truncation parameter distributions 1-44855
- Beg, M.A., Sajjad, M.I. Hydrogen preparation system for mass spectrometric analysis [in hydrological mapping] 1-48840
- Begemann, C.L. Water power for electricity generation 1-44000
- Begemann, G. A subharmonic pumped fin-line mixer for satellite TV receiver applications 1-45698
- Begg, I.M. On possible thermal degradation in spirally programmed interconnection wafer technology 1-32856
- Beghi, G., Krebs, K. The contribution made by the EEC joint research centre 1-30862
- Begley, D.L., Alexander, R.W., Bell, R.J., Goben, C.A. Reaction at a platinum-gallium arsenide interface 1-32703
- Beguini, D. *see* Dubost, G. 1-41404
- Beguvala, M.M. *see* Hauck, J.P. 1-32619
- Beha, H., Jorger, W., Jutzi, W. A four input-AND-gate with five asymmetric interferometers 1-28320
- Behar, D. *see* Bowers, J.E. 1-37489
- Behar, F. *see* Guidoux, L. 1-42016
- Behari, J., Singh, S. Ultrasound propagation in 'in vivo' bone 1-34616
- Behforooz, G.H., Papamichael, N. End conditions for interpolatory quintic splines 1-35874
- Behl, M. The sampling inspection with derivation from the normal distribution 1-50159
- Behnam-Guilani, K. *see* Fouad, A.A. 1-53420
- Behnke, H.G. The primary comparison standard of the electric voltage of the GDR 1-34175
- Behr, J.P., Killat, U., Kruger, J., Maisel, M., Riekman, D., Winter, R. Subscriber station for a digital integrated network with decentralized exchange 1-29482
- Behr, J.-P., Killat, U., Kruger, J., Maisel, M., Riekman, D., Winter, R.  $\mu$ P-controlled subscriber station for a digital integrated network with decentralized exchange 1-29506
- Behrend, H.-J., Field, J., Schroder, V., Sindt, H., Apel, W.-D., Bodenkamp, J., Chrobaczek, D., Engler, J., Fries, D.C., Flugge, G., Monnig, F., Muller, H., Randall, H., Schmidt, G., Schneider, H., de Boer, W., Buschhorn, G., Grindhammer, G., Grosse-Wiesmann, P., Gunderson, B., Kiesling, C., Kotthaus, R., Lierl, H., Luers, D., Meyer, T., Moss, L., Oberlack, H., Schacht, P., Schachter, M.-J., Snyder, A., Steiner, H., Carnesecchi, G., Cordier, A., Davier, M., Fournier, D., Grivaz, J.F., Haissinski, J., Journe, V., Laplanche, F., Le Diberder, F., Veillet, J.-J., Weitsch, A., George, R., Goldberg, M., Grossetete, B., Kapusta, F., Kovacs, F., London, G., Poggioni, L., Rivoal, M., Aleksan, R., Bouchez, J., Cozzika, G., Ducros, Y., Gaidot, Y., Pamela, J., Pansart, J.P., Pierre, F. CELLO—a new detector at PETRA 1-43229
- Behrens, R. *see* Kurbis, K.-H. 1-34062
- Behrin, E. *see* Salisbury, J.D. 1-31584
- Behrooz, F., Gagnon, R. Perimeter expansion in the n-bug system and its relationship to stability 1-39579
- Behrsing, G. *see* Hinkson, J. 1-48357
- Bei Zhang *see* Hong-du Liu 1-32758, 1-37154
- Beichelt, R. *see* Salkeld, R. 1-34672
- Beichelt, F. A generalized block-replacement policy 1-39452
- Beidl, J.R., Criscimagna, T.N., Trushell, J. Write and erase pulses with opposite polarities [AC plasma panels] 1-52527

- Beidl, J.R. *see* Criscimagna, T.N. 1-42682
- Beier, K. Steel compensators for conventional and nuclear power stations: design, installation and operating experience 1-34986
- Beierl, O. Automatic recording level without loss of dynamic range 1-42481
- Beierle, J. *see* Sirsi, R. 1-29568
- Beierlein, G., Schubert, H. High breakdown resistance support of enhanced reliability and mechanical strength for test cascades and switchgear 1-31357
- Beigang, R. *see* Subdo, A.S. 1-41074
- Beijnen, C.A.M. *see* van Beijnen, C.A.M.
- Beijnen, G.A.M. *see* van Beijnen, G.A.M.
- Beilstein, K.E., Kotecha, H.N. Circuit for multilevel logic implementation 1-32273
- Beisembayeva, Kh.B. *see* Bedilov, M.R. 1-46716
- Beiser, L. The scanned field: flat or curved? 1-28819
- Beissler, G. Fast state estimation without iterations [circuit analysis computing] 1-39851
- Beistad, R.D. *see* Gilbert, B.K. 1-38501
- Beistle, R.G., Perry, L.D. Photo device connector block 1-45748
- Beitner, M. A temperature-controlled voltage source 1-27240
- Beitner, M. A temperature controlled current supply 1-32158
- Beitner, M., Tomasi, G. Microelectronic spreading-resistance temperature sensor 1-30105
- Bejan, A., Yewell, R.B. The effect of hydrogen bubbles on the thermal blue velocity measurement technique 1-34398
- Bejuseu, L. *see* Pomarleanu, M. 1-48946
- Beketova, A.K., Lakhtionov, V.I., Legu, L.E. Holographic interferometer for aerodynamic studies 1-37234
- Bekey, I. Role of new technology in meeting requirements for communications satellites through the end of the century 1-29688
- Bekink, J. Instruments for modern physics 1-38370
- Bekink, J. Instruments for modern physics 1-43202
- Beklemishev, V.V. *see* Vaganov, V.I. 1-30089
- Bel, N. Integrated capacitive imaging display for the blind 1-30479
- Belal, A.A., Sheno, B.A. Properties of a compatible transform for a class of time-varying digital filters 1-50395
- Belan, N.V. *see* Bezruchko, K.V. 1-49351
- Belan, V.G., Durmanov, S.T. Current breaker with electric exploder drive 1-53573
- Belanger, A., Morin, F., Gauthier, M. Molten salt electrochemical studies and high energy density cell development 1-44339
- Belanger, A. *see* Gauthier, M. 1-30087
- Belanger, G., Missout, G., Gibeault, J.P. Laboratory testing of a sensor for hydrogen dissolved in transformer oil 1-28174
- Belani, J.G., Sporck, C.R. A negative resist process for polyimide as dielectric in dual layer metal structure 1-46269
- Belanov, A.S., Bubnov, M.M., Grudin, A.B., Dianov, E.M. Selection of the parameters of a single-mode waveguide to ensure minimal dispersion in the region of  $1.55 \mu$  1-51206
- Belar, H. *see* Beers, G.L. 1-38071
- Belda, W. *see* Keller, W. 1-43826
- Belden, L. *see* Farnsworth, H. 1-34199
- Beldiman, C., Grecu, V., Mester, A., Negreanu, M., Viisoreanu, Gh. The variation of integrated circuit parameters when irradiated with thermal neutrons 1-32286
- Bel'dyugin, I.M., Pogibelskii, A.P. Influence of random inhomogeneities of the refractive index of a medium on the nature of fields in a laser resonator with wavefront-reversing mirrors 1-28747
- Belen'kii, A.D., Shirokostup, A.M., Yushko, V.I. When protection fails to work 1-39163
- Belen'kii, M.S., Buldakov, V.M., Mironov, V.L. Spectrum of spatial coherence function of a laser beam in a turbulent atmosphere 1-51626
- Belenov, E.M., Vedenev, S.I., Golyamina, E.M. Observation of stimulated emission of electromagnetic waves by Josephson tunnel junctions 1-51110
- Belenov, E.M. *see* Aleksanyan, A.G. 1-50848
- Beletskii, V.I. *see* Obolenskii, M.A. 1-51106
- Bel'ferman, M.D. *see* Efimochkin, G.I. 1-49284
- Belgacem, S. *see* Bordure, G. 1-53681
- Belgiy, V.V., Bugrovskiy, V.V., Kovachich, Yu.V., Petrov, B.N., Shevayakov, A.A. The on-board computer in diagnosis of satellite power unit 1-38826
- Belham, N.D.N. VFOs investigated [variable-frequency oscillators] 1-29611
- Beliakov, I.I., Belokonova, A.F., Mikhaylova, A.V. Investigation of the causes of damage of water wall tubes in high pressure drum boilers using dissolved lithium hydroxide 1-31027
- Belic, N. *see* Krishnakumar, A.S. 1-52797
- Belin, M.J., Collins, P.V. A radio relay system for low capacity routes operating in the 1.7-1.9 GHz band 1-42170
- Belin, M.J. *see* de Belin, M.J.
- Belinicher, V.I. *see* Al'perovich, V.L. 1-46627
- Belitsky, A.V. *see* Timofeeva, V.A. 1-39737
- Belke, W., Koritz, J., Winter, E. The designing of the data base of an information system for electric energy distribution networks by using the technological means REDAS 1-38736
- Belkin, B.G. Ways for stereophony development in cinematography of 1980-s 1-34149
- Belkov, P.V., Val'ko, V.V., D'yakov, A.S., Ostroukhov, N.N., Tkachenko, B.K. Carbon dioxide gasdynamic lasers utilizing gas mixtures containing carbon monoxide 1-37081
- Bell, A.E., Spong, F.W. Reversible optical recording in trilayer structures 1-42426
- Bell, D.A. Electrical and mechanical units—are they the same? 1-42504
- Bell, D.A. Is radiation resistance real? 1-47032
- Bell, E.C., Whitehead, R.W. Basic electrical engineering and instrumentation for engineers. 2nd edition 1-49871
- Bell, G.K. *see* Cherney, E.A. 1-43758
- Bell, J.M. *see* Nelson, W.J. 1-40477
- Bell, J.S. Comments on low level radiation 1-43383
- Bell, M.F. *see* von Alpen, U. 1-44346
- Bell, P.M. *see* Mao, H.K. 1-38157
- Bell, R., Adams, W. Automated component insertion for flexible circuits 1-50674
- Bell, R.A. *see* Richter, B. 1-42876
- Bell, R.I. Low energy lighting moves towards user acceptability 1-31637
- Bell, R.J. *see* Begley, D.L. 1-32703
- Bell, R.L. *see* Borden, P.G. 1-35385
- Bell, R.L. *see* Escher, J.S. 1-36426
- Bell, R.M., Cover, T. Competitive optimality of Kelly-Breiman gambling 1-35729
- Bell, S.V., Jr. *see* Duvall, L., Jr. 1-41518
- Bellafronte, E. *see* Giuffrida, M. 1-53321
- Bellamy, L.R., Luciani, J.D. Disk drive motor speed control 1-46412
- Bellamy, N.W. A second generation wave energy device—the Clam concept 1-49333
- Bellanger, A. *see* Autin, B. 1-52643
- Bellanger, M. *see* Bonnerot, G. 1-41905
- Bellar, D.R. *see* Priddy, R.W. 1-28826
- Bellavance, D.W. *see* Lam, H.W. 1-32732
- Bellazzini, R., Del Guerra, A., Massai, M.M., Ragadini, M., Spandre, G., Tonelli, G. MWPC with a cathode coupled delay line read-out as radioactivity detector for DNA repair studies 1-30351
- Bellchambers, W.H. Planning for the 1982 Mobile World Administrative Radio Conference 1-29663
- Bellemare, R. *see* Gauthier, M. 1-30087
- Bellen, A. An extended collocation method 1-45031
- Belli, F. *see* Buckley, D. 1-45102
- Bellii, Y., Mishra, R.K., Kubarych, K., Okada, M. The effect of vanadium and vanadium plus titanium on the magnetic and mechanical properties of Fe-Cr-Co hard magnets 1-28227
- Belling, J.W. *see* Buckingham, K.A. 1-28143
- Bellinger, D.Q. Fundamental changes needed in the acquisition and technical management of major power generation systems 1-43556
- Bellinger, D.Q. Fundamental changes needed in the acquisition and technical management of major power generation systems 1-48983
- Bellini, A., De Carli, A., La Cava, M. System theory approach to the analysis of converter fed systems 1-53533
- Bellini, A., Figalli, G. Simplified analysis and design of an AD/DC power conversion system for traction drives 1-44432
- Bellini, A., Figalli, G., Lombardi, T. An approach to induction machines by means of the bilinear system theory 1-53458
- Bello, V. Computer program adds SPICE to switching-regulator analysis 1-27214
- Bellomo, B.R. *see* Alliney, S. 1-35827
- Bellomo, G., Johnson, D.A., Miller, P., Resmini, F.G. Magnetic field mapping of the K-500 cyclotron at MSU 1-34408
- Bellomo, G., Resmini, F.G. Trimming of the magnetic field for the K-500 cyclotron at MSU 1-34410
- Bellomo, G. *see* Acerbi, E. 1-42896
- Bellomo, G. *see* Resmini, F.G. 1-43058
- Bellon, C., Saucier, G., Gobbi, J.M. Hardware description levels and test for complex circuits 1-47929
- Bellone, R. *see* Barisy, A. 1-42917
- Bellotto, P., Polacco, B., Pietrousti, R., Pupolin, S. Error probability in correlated PAM systems in the presence of crosstalk 1-47094
- Bellow, D.G., Kiss, G.C. Measurement of tapping torques 1-52585
- Bellows, R.J., Einstein, H., Grimes, P., Kantner, E., Newby, K., Shropshire, J.A. Development of a bipolar Zn/Br<sub>2</sub> battery 1-31415
- Belmekki, B. *see* Raven, M.S. 1-50324
- Belmonte, J.-C. Static converters for supplying auxiliaries [high-speed trains] 1-35453
- Belohoubek, E.F. Advanced microwave circuits 1-36340
- Belokonova, A.F. *see* Beliakov, I.I. 1-31027
- Belomyytsev, S.Ya., Korovin, S.D., Mesyats, G.A. Screening effect in high-current diodes 1-50737
- Belosheev, V.K. *see* Arkhipova, T.A. 1-48000
- Belosheev, V.P. *see* Bayunov, V.I. 1-42717
- Belote, J. *see* Albanes, W. 1-43397
- Belouet, C. *see* Fabre, E. 1-50314
- Belousov, S.P., Gurevich, R.V., Kliger, G.A. The mutual coupling between two antenna-masts with a lower-end feed 1-47070
- Belousova, I.M., Dement'ev, A.V., Dymshits, Yu.I., Korobitsyn, V.A., Markov, V.A. XeF laser with high pulse repetition frequency 1-41057
- Belov, A.V. *see* Basharin, A.V. 1-31512
- Belov, P.V., Orlov, V.I. Interference immunity of elevation-frequency diversity reception of signals in a channel with concentrated interference 1-37534
- Belov, V.P., Shukeilo, I.A. Cyclic motion of heavy ions with charge spread 1-43017
- Belov, V.V. *see* Barachevskii, V.A. 1-28519
- Belovolov, M.I., Dianov, E.M., Kuznetsov, A.A., Svakhin, A.S., Sychugov, V.A., Tulaikova, T.V. Optical demultiplexer with a glass slide 1-37942
- Belozeroval, L.I., Lapuk, A.G., Mikhailov-Teplov, N.N., Nekh, G.A. New high speed vidicon LI468 1-42416
- Belrose, J.S. The effects of metal supporting towers on the radiation pattern of simple wire antennas 1-41311
- Belrose, J.S., Trueman, C.W., Kubina, S.J., Lavrench, W., Gunn, J.G. On minimizing the effects of re-radiation from power transmission lines on the radiation pattern of MF-AM broadcasting antenna arrays 1-41415
- Belshe, J.F., Williams, H.F. Match quality estimation for feature-based scene matching 1-48810
- Belson, J., Wilson, I.H. Theory of redeposition of sputtered flux onto surface asperities 1-36573
- Belsterling, C.A., Stone, J. A new controller for battery-powered electric vehicles 1-31583
- Beltrami, M., Cavallarin, B., D'Anzieri, G. An on board computer for industrial vehicles 1-39174
- Beltran, F. Approximate methods of solution for element patterns in thinned arrays 1-47049
- Beltran, F., King, F. Elimination of the dummy elements in thinned phased arrays 1-47048
- Bel'tyugov, V.N., Troitskii, Yu.V. Dual frequency selection in lasers using an anisotropically filled reflecting interferometer 1-37182
- Belusica, I. *see* Dragulescu, M. 1-47291
- Belyaev, A.V., Zharkov, B.A. Switching circuits and automation of standby diesel generators supplying special groups of consumers 1-49315
- Belyaev, B.F., Gushchin, V.A., Efanov, V.P., Zhuravleva, N.V., Konaeva, G.Ya., Lyuttsau, V.G., Sattarov, D.K. New application of microchannel plates (MCP) 1-36444
- Belyaev, B.G. The synthesis of arbitrarily-distributed sources which focus on electromagnetic field with a given current norm 1-37252
- Belyaev, L.M. *see* Timofeeva, V.A. 1-39737
- Belyaev, V.I. Determining number of channels in assemblies of network stochastic models from experimental data 1-39463
- Belyaev, V.N., Kovalen', V.Yu., Sobolev, B.V., Shotskii, Yu.V. System for automatic control of a setup for measuring angular correlations 1-30323
- Belyaev, V.V., Vasil'ev, N.A., Kompanets, I.N., Matsveiko, A.A., Parfenov, A.V., Popov, Yu.M. Decreasing the response time of liquid-crystal optical modulators 1-33094
- Belyaeva, L.P. *see* Konson, A.S. 1-35561
- Belyakov, A.V., Groshkov, L.M., Kuznetsov, M.I. Electron trajectories in a pulsed magnetron in a pregeneration mode 1-36435
- Belyakov, E.S. Binary to binary-coded decimal converter for digital output 1-27427
- Belyakov, V.I. *see* Zolotkovskii, V.S. 1-38093
- Belyakov, V.M. *see* Zarochentsev, G.G. 1-43917
- Belyakov, V.P. *see* Ageyev, A.I. 1-42866
- Belyavskiy, B.A., Tseytlin, M.B. An analysis of orotron performance on the basis of two-dimensional theory 1-45864
- Belyavskiy, Ye.D. Demodulation of electron beams following their interaction with aperiodic fields 1-32560
- Belyavskiy, Ye.D. AC investigation of the low-frequency beam demodulation in a type-O TWT, operating as an amplifier of a two-frequency signal 1-32561
- Belyavskiy, Ye.D., Gel'ner, V.V. Calculation of the signal spectrum at a TWT output according to a specified input spectrum 1-40353
- Belyi, N.G. *see* Troitskii, V.A. 1-31723
- Bem, D.J. Radio wave propagation and spectrum utilization 1-37312
- Bem, D.J., Sega, W. Calculation of static voltages on stay insulators [antenna mast] 1-28971
- Bem, D.J., Sega, W., Waszkiss, W. Calculations of radio-frequency voltages on guy insulators of broadcast tower antennas 1-29007
- Bemmann, H.B. On methods of reliability calculation for carrier frequency line sections 1-29049
- Bemmann, H.-B. Formulation of breakdown conditions in the simulation of reliability problems 1-31906
- Bemmann, H.-B., Schuppler, R. A load simulator for measuring the internal resistance of power supplies 1-32180

- Ben Hafsia, M. *see* Oustaloup, A. 1-27506
- Ben O'Neal, J., Jr. *see* Townes, S.A. 1-29132
- Ben Yaacov, G.Z. Data base environment for power system simulation models 1-43540
- Ben Zaken, M., Silberman, N., Kogan, E., Romik, P., Sofer, E. A UHF fast frequency synthesizer using SAW filters 1-37541
- Ben-Jacob, E., Braiman, Y., Shainsky, R., Imry, Y. Microwave-induced 'devil's staircase' structure and 'chaotic' behaviour in current-fed Josephson junctions 1-40849
- Ben-Jacob, E. *see* Braiman, Y. 1-28329
- Ben-Yaacov, G. Analysis of power system reliability needs good outage data 1-34736
- Ben-Yaacov, G.Z. Electricity generation planning in South Africa 1-30659
- Ben-Yaacov, G.Z. Computational aids for power system engineering in ESCOM 1-34798
- Ben-Yaacov, G.Z. Electricity generation planning in South Africa 1-34802
- Ben-Yaacov Giora *see* Giora Ben-Yaacov
- Ben-Yakov, U. *see* Parker, S.R. 1-45549
- Ben-Zvi, I., Brennan, J.M., Burt, W., Zion Levy, B., Noe, J.W., Paul, P., Schollkopf, A., Sprouse, G.D., Delayen, J.R., Dick, G.J., Mercereau, J.E. Status of the Stony Brook superconducting heavy-ion linac 1-48428
- Benacka, S. Superconductive tunnel junctions Pb-PbO<sub>2</sub>-Pb for voltage metrology 1-32996
- Benaroya, R. *see* Aron, J. 1-48302
- Benchimol, J.L. *see* Quillec, M. 1-39791
- Bencze, J. *see* Hejjas, I. 1-42501
- Bencze, P., Marcz, F. Atmospheric electric and ionospheric investigations, as well as the possibilities of their practical application 1-48856
- Benda, V. The turn-off process of the thyristor and the measurement of the turn-off time 1-50918
- Bendaleto, V.N., Tyut'kin, V.A. An engineering method for design of an induction dynamic drive 1-31514
- Bender, H.K. Television coverage of developing countries by satellite broadcasts 1-29845
- Bender, P.L. *see* Bossler, J.D. 1-38565
- Bendett, M.P., Hunsperger, R.G. Ultraviolet photoresponse of zinc phosphide thin films 1-40995
- Bendett, R.M. *see* Mitchell, W.J. 1-44451
- Bendick, P.J., Glover, J.L., Dilley, R.S. Spectral analysis of Doppler flowmeter signals in atherosclerotic disease 1-43328
- Bendi, J. Transient phenomena accompanying the non-simultaneous switching of three phases of an induction machine 1-31220
- Bendow, B., Gianino, P.D., Tzoar, N. Theory of continuous-wave beam propagation in nonlinear optical waveguides 1-41139
- Bendow, B. *see* Drexhage, M.G. 1-40932
- Benedek, S. PWR refill-reflood analysis with experimental loop and calculation model. II 1-53198
- Benedetti, P.A., Gualtieri, P. 'CYTOCON': a micro-processor-scope 1-52769
- Benedetto, S., Biglieri, E., Omura, J.K. Optimum receivers for nonlinear satellite channels 1-47633
- Benedetto, S. *see* Ajmone Marsan, M. 1-29507
- Benedick, F. *see* Calhoun, M. 1-42224
- Benedict, Q.L., Milewski, K.S., Moore, V.S., Rhodes, J.C., Jr. Microprocessor control of high frequency switching power supplies 1-36076
- Benejean, R. *see* Barret, J.P. 1-31511
- Beneken, J.E.W. *see* Jorritsma, F.F. 1-34563
- Beneken, J.E.W. *see* Sluiter, E.R. 1-34564
- Beneking, H. Full solid state image converter based on integration of phototransistors and LEDs 1-33138
- Beneking, H., Escobosa, A., Krautle, H. Characterization of GaAs epitaxial layers grown in a radiation heated MO-CVD reactor 1-39803
- Beneking, H., Grote, N., Selders, J. LPE growth of Ga<sub>0.9</sub>In<sub>0.1</sub>As layers on InP under PH<sub>3</sub> partial pressure and results on Mg-doping 1-39789
- Beneking, H., Grote, N., Svilans, M.N. Monolithic GaAlAs/GaAs infrared-to-visible wavelength converter with optical power amplification 1-33156
- Beneking, H., Su, L.M. GaAlAs/GaAs heterojunction microwave bipolar transistor 1-32798
- Beneking, H. *see* Ahmed, M.K. 1-28043
- Beneking, H. *see* Dekkers, J.J.M. 1-50935
- Beneking, H. *see* Flensky, W. 1-33969, 1-46111
- Beneking, H. *see* Klein, H.-J. 1-38194
- Beneking, H. *see* Wei, C.J. 1-51272
- Benemann, J., Bass, F. JANUS—a new research reactor concept using low-enriched fuel 1-43860
- Benenati, J.A., Vignos, J.P. I/O pin arrangement for semiconductor package substrate 1-26933
- Benenfeld, A.R., Kazlauskas, E.J. (editor) Communicating Information. Proceedings of the 43rd ASIS Annual Meeting. Vol.17, 1980 1-37773
- Benenson, E.I. *see* Vodichev, V.I. 1-30909
- Benes, J., Rous, Z. The TESLA discharge tube lightning arresters—a modern protection against overvoltage 1-53145
- Benes, V.E. Blocking states in connecting networks made of square switches arranged in stages 1-47263
- Benes, V.E., Kurshan, R.P. Wide-sense nonblocking network made of square switches 1-51870
- Bengds, E.E., Hansen, N.H. Single-coil stopping method for stepper motors 1-53493
- Benglas, E.M. *see* Chen, C.T. 1-46451
- Benguang Gu *see* Gu Benguang
- Beni, G., Craighead, H.G., Hackwood, S. Anisotropic suspension display 1-51225
- Beni, G., Hackwood, S. Electro-wetting displays 1-34332
- Beni, G., Schiavone, L.M. Matrix-addressable electrochromic display cell 1-33082
- Beni, G. *see* Dautremont-Smith, W.C. 1-36979
- Benichou, C., Blachere, J.M., Braquet, H. Optimized design of an integrated MSI thyristor crosspoint array 1-50977
- Benichou, C., Blachere, J.M., Braquet, H. Interaction testing in a thyristor crosspoint matrix 1-50978
- Benichou, C., Blachere, J.-M., Braquet, H.J. A 144 crosspoint switching matrix 1-52023
- Benichou, C. *see* Blachere, J.-M. 1-42056
- Benichou, J., Cure, C., Desportes, H., Le Bars, J., Mayaux, G., Barth, W., Fessler-wilhelmi, N., Lehmann, W., Turowski, P. Long term experience on the superconducting magnet system for the CELLO detector 1-52639
- Benidir, M. *see* Picinbono, B. 1-37580
- Beniere, F., Haridoss, S., Louboutin, J.P., Aldissi, M., Fabre, J.M. Doping of polyacetylene by diffusion of iodine 1-45958
- Benin, V.L., Borsenko, A.N. Studying the linearity of a controllable transistor monovibrator 1-27375
- Benin, V.L., Saidov, A.S. Frequency errors of active power transducers in automated emergency prevention devices of electric power system 1-43808
- Benincasa, G.P., Giudici, F., Skarek, P. Fast synchronous beam property modulation using a large distributed microprocessor system 1-42920
- Benincasa, G.P. *see* Baribaud, G. 1-42939
- Benjamin, J.A. *see* Ziegler, N.F. 1-42821
- Benjamin, M. *see* Heifetz, J. 1-45049
- Benjegerdes, R. *see* Magyary, S. 1-38333, 1-42922
- Benko, G.B. Governing turbines for transient loads 1-43994
- Benloucif, R.M. *see* Gillot, B. 1-40418
- Bennati, M.L. On the convergence of the dual variables in optimal control problems 1-39499
- Benndorf, H., Nedtwig, J., Schindele, F. Quasi-synchronous direct wave radio—a direct channel radio procedure to extend the range of mobile radio networks 1-29637
- Benndorf, H., Pfeiffer, T. The first overhead line fibre optic circuit in the Badenwerk AG high voltage network 1-42157
- Bennett, A.W. *see* Sinclair, J.C. 1-40067
- Bennett, C.L. Time domain inverse scattering 1-41204
- Bennett, C.L., Toomey, J.P. Target classification with multiple frequency illumination 1-37952
- Bennett, C.L. *see* Mieras, H. 1-52135
- Bennett, D. The use of medium power lasers in electronics manufacturing. II 1-46812
- Bennett, J.C., Muntanga, N.E. Quasi-real-time antenna near-field/far-field transformation without phase and amplitude recording 1-41322
- Bennett, J.C. *see* Godwin, M.P. 1-41368
- Bennett, J.C. *see* Schoessow, E.P. 1-41320
- Bennett, J.G., Ju, F.D. Finite element modeling of fluid/thermal/structural interaction for a gas-cooled fast reactor core 1-39642
- Bennett, J.G. *see* Butler, T.A. 1-39654
- Bennett, J.M. Computers and communication 1-47374
- Bennett, J.R.J., Elsey, R.J. Glass jointed alumina vacuum chambers 1-48395
- Bennett, K.H. *see* Lunn, K. 1-47393
- Bennett, M. *see* Garcia, E. 1-52771
- Bennett, R.C. *see* Sokolov, V. 1-45663
- Bennett, R.S., Eacharn, A.B., Smith, J.M. Adaptive thresholding requirements for naval surveillance radars 1-42335
- Bennett, S. *see* Kino, G.S. 1-38611
- Bennett, S.B., Bannister, R.L., Giovanni, D.V. Time for the next step in pulverized coal power plants 1-43947
- Bennett, S.B., Bannister, R.L., Silvestri, G.J. Current practice in the design and in operation of fossil fuel fired power stations in the USA 1-49268
- Bennett, S.B., Bannister, R.L., Silvestri, G.J., Parkes, J.B. Base load and cycling [design and operation of fossil-fired steam power plants] 1-31006
- Benning, O. Application possibilities of a multi-channel data acquisition installation for experimental stress analysis 1-52587
- Benninghoven, A. *see* Nitz, H.M. 1-32644
- Benninghoven, A. *see* Tumpner, J. 1-38394
- Bennon, R.J. *see* Molloy, C.R. 1-34837
- Benoit, A.E. *see* Solomon, F.J. 1-31109
- Benoit, J. *see* Accard, A. 1-39787
- Bensahel, D. *see* Auvert, G. 1-32050
- Bensimon, A., Wegelin, R. Decentralised control using as an example a large power station-project 1-30840
- Benski, M., Potie, C. Microinformatics applied to quality control 1-44736
- Benso, S., Rossi, L. A time projection chamber for precise vertex determination 1-52674
- Benson, F.A. *see* Badr, A.H. 1-41254, 1-42724
- Benson, F.A. *see* Klapas, D. 1-44433
- Benson, G., Rifkin, W., Vincent, R. An advanced 15 kW solar powered free-piston Stirling engine 1-31131
- Benson, R.S. *see* Futterman, W.I. 1-41690
- Benson, S.V. *see* Xia Huik-Rong 1-41125
- Benson, T.M., Murotani, T., Houston, P.A., Robson, P.N. Photoelastic optical directional couplers in epitaxial GaAs layers 1-28516
- Bensted, D. *see* Dawalibi, F. 1-43773, 1-49169
- Bensted, D.J., Dawalibi, F., Wu, A.Y. The application of computer-aided grounding design techniques to a pulp and paper mill grounding system 1-39255
- Bentini, G.G. *see* Van Vechten, J.A. 1-45909
- Bentkus, R.Yu., Kazbaras, A.R. Optimal statistical estimates of distribution densities 1-50143
- Bentley, J.M. Microprocessor based digital paper machine drive system 1-39258
- Bentley, S.E., Beale, G.O. Identification and improved control of GTAW voltages utilizing digital series compensation 1-31734
- Benton, E.V., Oswald, R.A., Frank, A.L., Wheeler, R.V. Proton-recoil neutron dosimeter for personnel monitoring 1-52821
- Benton, E.V. *see* Henshaw, D.L. 1-30360
- Benton, R.E. Removable antenna assembly 1-41440
- Benveniste, A., Crepel, P. Asymptotic normality: diffusion approximation for recursive algorithms, and applications 1-39612
- Benveniste, R. One way to solve the parametric quadratic programming problem 1-44994
- Benway, J. *see* Brodwin, M. 1-48050
- Benx, K.W., Lutz, J., Hildebrand, O. Semi-insulating layers in LPE GaSb and Ga<sub>1-x</sub>Al<sub>x</sub>Sb 1-50300
- Benz, K.W. *see* Linnebach, R. 1-39750
- Benzi, F. *see* Anzaldi, E. 1-31526
- Benzing, H. Digital data transmission technology. XI. Designations of transmission paths and equipment for the digital transmission at speeds of and above 64 kbit/sec 1-29278
- Beran, Z. *see* Mladek, J. 1-48260
- Beranger, H., Brunin, A. Dense master-slave latch using a reference voltage 1-27404
- Berard, C. *see* Laviron, A. 1-31899
- Berbece, C., Brozici, M., Filip, A., Gentimir, E., Lupascu, I., Marin, G., Ignat, F. Microcomputer control of technological protection operation of a 330 MW unit 1-31000
- Berbiers, J. *see* Basile, M. 1-43250
- Berchielli, A.S. *see* Puglisi, V.J. 1-31411
- Berchier, J.-L. *see* Sanchez, D.H. 1-40866
- Bercovitz, J. *see* Avery, R. 1-42826
- Berdnik, V.V. *see* Gross, L.G. 1-34317
- Bereanu, B. Programming with composite indeterminacies in data 1-44980
- Berendes, J. Emergency power supply for centralized telephone exchange equipment 1-42017
- Berenson, M.L. Using k sample tests to detect ordered treatment effects: a comparative study of fourteen nonparametric procedures 1-35702
- Bere'nyi, D. Electron spectroscopy 1-48668
- Berenyi, I. Driving 'blind'—and saving lives 1-44460
- Berenz, J. *see* Kondoh, H. 1-45672
- Beresford, R. Two-dimensional PNP transistor 1-40554
- Beresnev, V.V. Convex minimization problems for integral functionals with constraints of operator inclusion type 1-50082
- Beresovskii, T. UNESCO's involvement in furthering photovoltaics in developing countries 1-53660
- Berezdivin, R. Digital satellite transmission of broadcast-quality video for redistribution 1-29693
- Berezinskii, A.I., Tinyakova, I.M. Additional heating of converter waste heat boilers 1-49281
- Berezhnaya, A.A. *see* Agekyan, V.T. 1-32704
- Berezhyak, I.P., Kuleshov, V.N. Inherent noise in a balanced phase discriminator [using Schottky diodes] 1-39994
- Berezovich, L.A., Brenner, L.M. The RSL-DSh-ATS interstation communication equipment for rural telephone networks 1-42133
- Berezovskiy, V.K., Moshinskiy, A.V. Analysis of electrodynamic characteristics of a rectangular waveguide with an ideally conducting cylindrical inhomogeneity 1-46994
- Berg, D. *see* Jonckheere, A. 1-30300
- Berg, E.J., Lettieri, J., Pierce, D.L., Strickland, A.B. Message compression method 1-33606
- Berg, G.J. *see* Ghafurian, A. 1-38653
- Berg, G.J. *see* Nath, G. 1-44097
- Berg, H. *see* Arnold, W. 1-43152

- Berg, H.M., Lewis, G.L., Mitchell, C.W. A high performance connectorized LED package for fiber optics 1-46557
- Berg, H.M. *see* Andrews, J.A. 1-46271
- Berg, J.W. Van den *see* Van den Berg, J.W.
- Berg, K. ITT 1240 in the integrated telecommunications system of the future 1-33894
- Berg, M. A stochastic model for the reliability of a power unit with deliberate shutdowns 1-31055
- Berg, N.J. *see* Abramovitz, I.J. 1-32958
- Berg, N.J. *see* Casseday, M.W. 1-37857
- Berg, N.J. *see* Lee, J.N. 1-33659
- Berg, R.S. *see* Shope, L.A. 1-38572
- Berge, C.-G. Metallised polypropylene as a dielectric 1-32418
- Bergeal, J., Moller, L. Influence of load characteristics on the propagation of disturbances 1-48985
- Bergemann, H. Thermal-imaging TV cameras with Pyricons 1-52235
- Bergemann, H., Shephard, A.G. Plasma display panels—alternatives to cathode ray tubes 1-30196
- Bergemann, W. General principles for repeat tests on systems in nuclear power stations with pressurised water reactors 1-30882
- Bergen, L. Satellite control of electric power distribution 1-53010
- Bergendahl, A.S., White, F.R. Positive photoresist for permeation etching 1-36566
- Berger, C. Forward spectrometers 1-43266
- Berger, C. *see* Dard, J. 1-46829
- Berger, C. *see* Hauric, A. 1-50170
- Berger, G. Four-quadrant multiplier using the type B222 integrated circuit 1-32370
- Berger, G., Buchmeier, W. New developments in automatic winching equipment 1-53859
- Berger, G. *see* Buttner, J. 1-49723
- Berger, H. Nondestructive evaluation techniques 1-50022
- Berger, H., Kulig, T.S. Simulation models for calculating the torsional vibrations of large turbine-generator units after electrical system faults 1-53372
- Berger, H.J. *see* Hoffer, P.B. 1-34614
- Berger, K. Lightning surges 1-30800
- Berger, M.N., Kapilevich, B.Yu., Simin, N.S. Resonance characteristics of a cutoff waveguide segment containing a dielectric layer 1-40210
- Berger, M.N., Kapilevich, B.Yu., Simin, N.S. A beyond-cutoff waveguide-dielectric filter using microstrip lines 1-50627
- Berger, R., Jaccard, C. Comments on surface accumulation in laser-assisted doping 1-46064
- Berger, R.L. *see* Balko, B. 1-45710
- Berger, T. Bias and variance of DTOA estimates based on noisy, sampled, clipped data 1-33452
- Berger, T., Kaspi, A. Markov screens 1-29055
- Berger, T., Mehravari, N., Munson, G. On genie-aided upper bounds to multiple access contention resolution efficiency 1-37674
- Bergeron, D.L. Electrically programmable bipolar ROM cell 1-50499
- Bergeron, D.L., Kotecha, H.N., Patel, P.T. Four-terminal bipolar electrically alterable read-only memory 1-46280
- Bergeron, G. *see* Davis, C.M. 1-50862
- Bergeron, R.J., Soyachak, F.J. Hot plate heating of photoresist 1-36548
- Bergh, R., Lefevre, H., Shaw, H.J. All single-mode fiber gyroscope 1-36952
- Bergh, R.A., Dignonnet, M., Lefevre, H.C., Newton, S.A., Shaw, H.J. Single-mode fiber-optic components 1-46550
- Bergh, R.A., Lefevre, H.C., Shaw, H.J. All-single-mode fiber-optic gyroscope 1-28467
- Bergh, H. Van den *see* Van den Bergh, H.
- Bergher, M. An absolute calibrator for DCI beam current monitors 1-42972
- Berglund, C.D. *see* Hirschler-Marchand, P.R. 1-29696
- Berglund, C.N. *see* Yu, K.K. 1-28134
- Berglund, L. Cooling system for electronic telephone exchanges 1-42093
- Berglund, P. *see* Arkko, A. 1-31246
- Berglund, R.E.S. *see* Asman, B. 1-52675
- Berglund, S.E., Carlson, P.J., Jacobsson, J. Observation of fluorescence in silica glass fibers 1-36860
- Bergman, G.D. The choice of resistance values for contact identification 1-39356
- Bergman, G.D. Parallel resistors for contact identification 1-40264
- Bergman, H. Psychological considerations in man-computer interfaces in system control centres 1-48990
- Bergman, K. Electric-arc steelmaking. II. Electric furnace operation for economy and efficiency 1-49827
- Bergman, L.A., Eng, S.T., Johnston, A.R., Lutes, G.F. Temperature dependence of phase for a single-mode fiber cable 1-36911
- Bergmann, D. Testing of analogue and hybrid LSI circuits 1-46223
- Bergmann, H. Photo-electric switching 1-34295
- Bergson, B.P. Use isokinetic methods for sampling and monitoring nuclear-plant stack effluent 1-30907
- Bergstrom, M.R. *see* Seely, M.L. 1-43165
- Bergveld, P. The operation of an ISFET as an electronic device 1-50924
- Bergveld, P., De Rooij, N.F. The history of chemically sensitive semiconductor devices 1-50923
- Bergveld, P., Meijer, W.J.H. A new technique for the suppression of the MEGC 1-30443
- Bergveld, P. *see* Meijer, W.J.H. 1-30444
- Berkbigler, L., Dallum, G. Fiber-optic transmitter measures high voltages safely 1-30213
- Berkebile, L.E., Nilsson, S., Shan Sun Digital EHV current transducer 1-34962
- Berkebile, L.E., Nilsson, S., Shan Sun Digital EHV current transducer 1-38834
- Berkes, B., Brombach, D., Werner, M. Construction of the SIN ring injector cyclotron magnet system 1-52642
- Berkes, J. *see* Kiss, M. 1-38475
- Berkley, D. *see* Gross, B. 1-32101
- Berkman, J.A., Prak, J.W.L. Biomedical microprocessor with analog I/O 1-30480
- Berkman, R.Ya. *see* Afanasenko, M.P. 1-37261
- Berkner, K.H. *see* Schneider, P.J. 1-38396
- Berkovitch, I. Speak the speech...and find your letters directly typed [voice processing] 1-33570
- Berkovitch, I. Solar energy 1-53624
- Berkowitz, R.S. *see* Burgess, L.W. 1-51736
- Berkstresser, G.W. *see* Keramidas, V.G. 1-28591
- Berkuta, V.G., Krasny, L.G., Pasechny, S.V. Detection of noisy signals with spaced antennas 1-29032
- Berlasso, G., Giorgetti, F. Project for a geoelectrical digital instrument 1-52933
- Berlec, F.-J. *see* Arnold, G. 1-37128
- Berlekamp, E.R. Bit-serial Reed-Solomon encoders 1-33538
- Berlin, H.M. Active filters—design and experimental tests 1-27491
- Berlin, H.M. Active filters—design and experimental validation 1-32333
- Berlin, H.M. Active filters: design and experimental testing 1-45459
- Berlin, H.M. Active filters. Design and experimental investigation 1-45460
- Berlin, P. World—space—time 1-48244
- Berline, C. Rings which admit elimination of quantifiers 1-31975
- Berliner, D.L. *see* Moore, R.D. 1-43429
- Berliner, R., Mildner, D.F.R., Pringle, O.A. Digitization errors using digital charge division position sensitive detectors 1-38427
- Berliner, R., Mildner, D.F.R., Pringle, O.A., King, J.S. A large area position sensitive neutron detector 1-48610
- Berlyand, V.A. *see* Aleikin, V.V. 1-48670
- Berman, A. Methods for the measurement of low total pressure 1-38313
- Berman, C.L. *see* Darringer, J.A. 1-50497
- Berman, E., Carter, H.B., House, D. Observations of rat fetuses after irradiation with 2450-MHz (CW) microwaves 1-48754
- Berman, I.M. New generating capacity: when, where and by whom 1-38676
- Berman, I.M. Developments in geothermal power plants 1-53289
- Berman, K.A. Matchings and spanning trees in Boolean weighted graphs 1-50199
- Berman, L. On logic comparison 1-45433
- Berman, L.J. Computer and non-linear load applications of uninterruptible power supplies 1-44231
- Berman, L.S., Briskin, B.S., Vlasov, S.I., Remenyuk, A.D. Arrangement for checking the purity of semiconductor materials with a capacity method 1-32110
- Berman, L.V. *see* Bilenko, D.I. 1-42749
- Berman, M. Inhomogeneous and modulated gamma processes 1-35746
- Berman, M. The maximum likelihood estimators of the parameters of the Gamma distribution are always positively biased 1-44856
- Bernmond, G. Small asynchronous linear motors 1-49520
- Bernabei, R. *see* Bacci, C. 1-43236
- Bernabeu, E., Amare, J.C., Alvarez, J.M., Moreno, F. Intensity transmitted by a Fabry-Perot etalon with another internal Fabry-Perot interferometer 1-41116
- Bernabeu, E., Moreno, F. Shift of tunable laser modes by effect of intracavity wavelength selectors with short-duration pulses 1-28742
- Bernard, G. A non persistent CSMA-abort access protocol for a local computer network 1-37769
- Bernard, P., Cavallari, G., Chiavari, E., Haebel, E., Heinrichs, H., Lenglender, H., Picasso, E., Picciarelli, V., Piel, H. First results on a superconducting RF-test cavity for LEP 1-48533
- Bernard, P., Galarneau, P., Chin, S.L. Self-focusing of CO<sub>2</sub> laser pulses in low-pressure SF<sub>6</sub> 1-28781
- Bernard, P., Mathieu, P., Izatt, J.R. Fine frequency tuning of high power TEA CO<sub>2</sub> lasers 1-37066
- Bernard Schaming, W., Bessette, O.E. Empirical determination of processing parameters for a real-time two-dimensional discrete cosine transform (2D-DCT) video bandwidth compression system 1-37650
- Bernardi, S. *see* Erdi, G. 1-36096
- Bernardini, A., Poscetti, G.M. Adaptive channel encoding for multiplex transmission over discrete channels having very variable error rate 1-33497
- Bernardo, E.T., Hermann, K., Reynolds, M.J. Air-checking fixture for soldered PC boards 1-32507
- Bernardo, L. *see* Indebetouw, G. 1-41806
- Bernat, F. *see* Cerovsky, Z. 1-31500
- Berndmaier, E., Dorler, J.A., Mosley, J.M., Weitzel, S.D. Delay regulation—a circuit solution to the power/performance tradeoff 1-40634
- Berndt, G., Heider, H.J., Hohn, H., Klein, L., von Knobloch, H.E., Kratky, E., Piepenbreier, E., Puls, D., Scholtis, G., Schrader, K.H., Steller, G., Voss, U., Weise, K. The one thousandth underground e.m.u. of Berlin's municipal rapid transit authority (Berliner Verkehrs-Aktiengesellschaft-BVG)—25 years of technical development 1-44418
- Berndt, K.-G., Preuss, B. 3WE circuit-breakers for up to 1000 V AC and DC 1-35280
- Bernede, J.C. Polarized memory switching in MIS thin films 1-46027
- Berners, O. The benefits of planning for maintenance and repairs 1-30900
- Berneryd, S. Performance of different types of circuit-breakers with respect to network requirements 1-35318
- Berneryd, S. Performance of different types of circuit breakers with respect to network requirements 1-44249
- Bernett, F. *see* Winfrey, R.C. 1-40796
- Berney, L.G. *see* Catton, F.D. 1-29656
- Bernhardt, F. *see* Kutschera, J. 1-43352, 1-52782
- Bernhardt, U. For the problem of the representation of the electric load trough probability models 1-49012
- Berning, D.W., Blackburn, D.L. The effect of magnetic package leads on the measurement of thermal resistance of semiconductor devices 1-34386
- Bernshtein, A.V. On verifying composite hypotheses with nuisance parameters in the multivariate case 1-44885
- Bernstein, D. MSHAM—a multi-hit sample and hold multiplexer 1-34230
- Bernstein, H. Data when desired. Erasable permanent storage 1-36177
- Bernstein, H. Dynamic magnetic bubbles. Construction and function of bubble memories 1-36836
- Bernstein, H. Digital-analogue converter, custom-made peripherals 1-45581
- Bernstein, H. Digital computation—analogue control [Digital-analogue converter application] 1-50452
- Bernstein, H. Analogue quantities digitised—how analogue to digital converters work. I 1-52429
- Bernstein, J. *see* Dorsey, E. 1-37441
- Bernstein, J.I. A corporate econometric model of the British Columbia Telephone Company 1-26847
- Bernstein, J.J., White, R.M. Observation of piezoelectricity in thin films formed by anodization 1-32905
- Bernstein, K. Fault diagnostics of complex digital systems with Boolean differential operators 1-50523
- Bernstein, K., Zborzek, J.D. Four-state memory cell for read-only storage 1-40705
- Bernstein, R., Kolsky, H.G. Future display requirements for image processing research 1-48179
- Bernstein, S., Green, J.M. Mass soldering and aqueous cleaning processes operated in compliance with water pollution regulations 1-44690
- Bernt, H. *see* Werner, C. 1-32715
- Bernues, F.J. *see* Crandell, M. 1-34008
- Beroqui, M.C., Demo, H.R., Pessacq, R.A., Willis, E. Analysis and modelling of the voltage regulation system of the turbogenerators Nos. 1 and 2 in the thermal generating station at Nechoeca 1-31186
- Berouti, M. *see* Krasner, M. 1-41561
- Berouti, M. *see* Makhoul, J. 1-41557
- Berre, S. *see* Le Berre, S.
- Berremann, D.W. Workshop on crystals and focusing 1-34530
- Berremann, D.W., Heffner, W.R. New bistable liquid-crystal twist cell 1-46585
- Berrie, J. *see* Martin, G. 1-46265
- Berrie, P.G., Birkett, F.N. The drilling and cutting of polymethyl methacrylate (Perspex) by CO<sub>2</sub> laser 1-51542
- Berrie, T. Interactive load control. I. Basic concepts indicate £1000m plus savings 1-52989
- Berrill, E. *see* Hornstra, F. 1-31438
- Berry, D.A., Viscusi, W.K. Bernoulli two-armed bandits with geometric termination 1-44875
- Berry, G.G. *see* Dickman, R.L. 1-45645
- Berry, G.H. *see* Mazarakis, M.G. 1-43094
- Berry, J.E. Three-dimensional autonomous scene matching 1-48808
- Berry, L.T.M. On the definition of offered traffic 1-47259

- Berry, L.T.M.** A note on the chain flow model and arbitrary assignment 1-47260
- Berry, O.V., Salamone, M.F., Stephan, R.L., Jr.** Flat flexible cables for data communication 1-27646
- Berry, R.W.** *see* Malyon, D.J. 1-37159, 1-42276
- Bers, K.** Environmental protection measures in power stations and other installations of an electricity supply undertaking in conurbations 1-49201
- Bersac, J.M.** Transistor protection against overload 1-45563
- Bersac, J.M., Carsalade, H.** Wrap test and protective devices for line interface circuit 1-47422
- Bershad, N.J.** On the real and complex least mean square adaptive filter algorithms 1-29178
- Bershad, N.J.** *see* Feintuch, P.L. 1-41667
- Bershad, N.J.** *see* Reed, F.A. 1-41666
- Bersier, R.** Important points of the new Interference Protection Regulation—technical aspects 1-46962
- Bert, A.G.** *see* Kaminsky, D. 1-45665
- Bert, G.** *see* Nuzillat, G. 1-40036
- Bert, N.A., Gorelenok, A.T., Dzigasov, A.G., Konnikov, S.G., Popova, T.B., Tarasov, I.S., Tibilov, V.K.** Solid solutions of InGaAsP isoperiodic with InP 1-27792
- Bert, N.A., Gorelenok, A.T., Dzigasov, A.G., Konnikov, S.G., Popova, T.B., Tarasov, I.S., Tibilov, V.K.** Epitaxial growth of InGaAsP solid solutions lattice-matched to InP 1-39779
- Bert, N.A., Konnikov, S.G., Umanski, V.E.** X-ray structural investigations of heteroepitaxial films using an electron probe 1-27109
- Bert, N.A.** *see* Akhmedov, D. 1-28730
- Berta, I., Fodor, I., Clement, G.** Electrostatic sparks on charged insulating surfaces 1-36699
- Berta, I.** *see* Horvath, T. 1-37254
- Bertani, E.** *see* Bardelli, G. 1-45726
- Bertay** *see* Aylott, J. 1-49822
- Bertiaud, A.J.** *see* Henry, F. 1-48205
- Bertel, E., Ziegler, V.** Reflections on the world supply of uranium 1-43880
- Bertel, I.M., Voitovich, A.P., Petukhov, V.O., Prokopov, A.P., Trushin, S.A., Churakov, V.V.** Energetic and temporal characteristics of orthogonally polarized waves generated by a CO<sub>2</sub> laser with transverse excitation 1-51359
- Bertel, N.** *see* Duvic, G. 1-47602
- Bertero, M., De Mol, C.** Stability problems in inverse diffraction 1-37295
- Bertheau, M.** *see* Mondot, J. 1-44737
- Berthelsdorf, R.F.** Three-dimensional TV: a proposed system 1-47792
- Berthet, M.** *see* Gillet, R. 1-31182
- Bertin, L.** Design and development to simplify transfer 1-30902
- Bertino, M.** Magnetic bubbles in memory systems 1-28255
- Bertness, K.A.** *see* Henry, C.H. 1-51465, 1-51466
- Bertolin, J.** Arcitio *see* Arcitio Bertolin, J.
- Bertolucci, E.** *see* Amendolia, S.R. 1-43238
- Bertotti, F., Murari, B., Seragnoli, G.** Problems on integration of semiconductor devices in automotive electronics 1-39199
- Bertran, M., Banque, F., Corbella, J., Xampeny, J.** The simulation of a control centre for electrical power systems 1-52986
- Bertran-Salvans, M., Sanvicente-Gargallo, E., Garcia-Gomez, R.** An application of the maximum entropy method to nonrecursively generated time series 1-32357
- Bertrand, J.W.M.** Design of a production control system for a diffusion department 1-39386
- Bertrand, M.** *see* Gallais-Hamonn, F. 1-52811
- Bertron, G.** Automatic analog TV measurements 1-47904
- Bertsch, D.L., Dodge, W.R.** Calibration of a gamma-ray telescope using tagged positron annihilation photons 1-48607
- Bertsche, A.** *see* Thompson, P. 1-43118
- Bertsche, W.R., Cooper, R.B., Feldman, D.A., Schroeder, K.R.** An evaluation of display formats for use with marine radio navigation piloting systems 1-37982
- Bertschi, R.** *see* Bonanomi, P. 1-30710, 1-34826
- Bertschinger, A.** Influence of line asymmetry on closing and reclosing surges 1-30694
- Bertsekas, D.P.** Routing algorithms based on shortest paths 1-29310
- Bertsekas, D.P.** A class of optimal routing algorithms for communication networks 1-33715
- Berutti, A.** Updating computer wiring at the NY Stock Exchange 1-49948
- Berutti, A.** Requirements for modern wire terminations 1-53117
- Berutti, A.** Steel mill drives replaced with minimum downtime 1-53804
- Berzin, L.F.** *see* Yakimakh, A.L. 1-32679
- Berzin, V.A.** *see* Alt'gauzen, A.P. 1-31665
- Besa, M.** *see* Ijac, G. 1-49451
- Bescos, J., Mendez, J.A., Prieto, A., Hernandez, R., Santamaria, J.** Hybrid gray level-spatial frequency pseudocolour encoding with phase filters 1-41807
- Besier, H.A.** Essential aspects of the change-over to the digital local network 1-29360
- Besieris, I.M., Tsolakis, A.I.** Phase-space analysis of wave propagation in homogeneous dispersive media: exact evaluation of pulse moments 1-39707
- Beskin, L.N.** Generation of super-high harmonics 1-40167
- Bessaraba, V.I., Vasil'ev, A.M., Kovalev, A.V., Lazorenko, V.I., Paderno, Yu.B., Shaginyan, L.R.** Thermionic emission properties of thin lanthanum hexaboride films on tantalum 1-27754
- Besschetnov, E.A., Kotov, V.T., Nikiforov, Yu.A., Tarasov, E.P.** Development of portable power amplifier, 50 W 1-27321
- Besser, L., Holmes, C., Ball, M., Medley, M., March, S.** Computer-aided design for the 1980s [microwave circuits] 1-45657
- Besset, D., Do, Q.H., Favier, B., Greeniaus, L.G., Heer, E., Hess, R., Lechanoine-Leluc, C., Rapin, D., Werren, D.W., Daum, M., Mango, S., Steiner, E., Vecsey, G., Weddigen, Ch.** An experimental ensemble used for the study of proton-proton scattering at SIN 1-42776
- Bessette, O.E.** *see* Bernard Schaming, W. 1-37650
- Besson, Y.** *see* Penavaire, L. 1-36774
- Best, D.W.** *see* Kress, C.E. 1-51030
- Best, J.S.** Critical curves for implanted garnet films in the presence of a demagnetizing field 1-46396
- Best, S.W.** Chip carrier for LSI connection 1-28051
- Best, S.W.** Optical signals technology. IX 1-29740
- Best, S.W.** Optical communications. IX. Coupling techniques 1-29753
- Best, S.W.** Optical fibre telecommunications. X 1-33964
- Best, S.W.** Optical communication. X. Detachable connections 1-33972
- Best, S.W.** Optical communications techniques. XI. Low-loss connectors 1-37913
- Best, S.W.** Passive chip-components for substrate assembly 1-40313
- Best, S.W.** Optical communication technology, XI 1-42233
- Best, S.W.** Optical communication engineering. XII 1-52107
- Best, S.W.** Optical telecommunications. XII. A comprehensive presentation of telecommunication transmission by light conductors 1-52115
- Betaharon, K.** *see* Assal, F.T. 1-47647
- Bethe, K., Meyer-Ebrecht, D.** Sensors for consumer electronics. I 1-31011
- Bethe, K., Meyer-Ebrecht, D.** Sensors for consumer electronics. II 1-31013
- Bethge, K.** *see* Langfeld, R. 1-27928
- Bethge, W.** New mobile substations of the DB 1-35212
- Bethune, D.S.** Dye cell design for high-power low-divergence excimer-pumped dye lasers 1-41123
- Bethune, D.S.** Optical second-harmonic generation in atomic vapors with focused beams 1-41145
- Betoh, C.** *see* Igarashi, H. 1-40745
- Betsudan, S.** *see* Matsunaka, N. 1-52099
- Bette, H.-P.** *see* Donaldson, J. 1-46218
- Bettge, H.** Design and construction of vacuum interrupters 1-39089
- Bettini, J.P.** *see* Aubourg, P. 1-51522
- Bettis, J.R., Burton, J.K., Parker, R.K., Gold, S.H., Herndon, M., Jackson, R.H., Kinkead, A.K., Guenther, A.H., Kobiela, E.J.** Laser-triggered switch modification to VEBA 1-51496
- Betz, H.** *see* Dreimann, K. 1-53700
- Betzl, H.** *see* Schreiber, R. 1-32331
- Betzl, H., Feil, M., Klar, H., Mauthe, M., Pfeleiderer, H.-J., Schreiber, R., Ulbrich, W.** A CCD wave filter with low sensitivity 1-50549
- Betzl, H.** *see* Klar, H. 1-27484
- Betzl, H.** *see* Schreiber, R. 1-27495, 1-40089
- Beuchet, G., Bonnet, M., Thebault, P., Duchemin, J.P.** GaInAs/InP heterostructures grown in a four-barrel reactor by the hydride method 1-50295
- Beuchet, G.** *see* Wallis, R.H. 1-50788
- Beukens, R.P.** *see* Litherland, A.E. 1-48663
- Beulich, K.** *see* Opitz, R. 1-31569
- Beurskens, H.J.M.** Decentralised applications of wind energy 1-49378
- Beutler, F.J., Melamed, B.** Poisson flows on Markov step processes 1-37391
- Beux, P.** *see* Le Beux, P.
- Bevan, J.S., Woolley, J.L.** The effect of refrigeration compressor operation on the economy of heat recovery [telecommunication equipment rooms] 1-42033
- Bevensee, R.M.** Maximum entropy resolution of two dimensional antenna distributions 1-41333
- Bevensee, R.M.** Solution of underdetermined electromagnetic and seismic problems by the maximum entropy method 1-43426
- Beveridge, J.** *see* Baartman, R. 1-48338
- Beverly, W.D.** One megawatt (thermal) bench model solar receiver design and test 1-31128
- Bevers, R.C.** *see* Durr, H.E. 1-32430
- Bevezetes, I.** Application of the modified electric power tariff 1-30647
- Bevington, P.R.** *see* Baer, H.W. 1-34516
- Bewilogua, K.** *see* Reisse, G. 1-35973
- Bewley, D.K., Finding, K., Page, B.C., Parnell, C.J.** An adjustable collimator for neutron therapy 1-43375
- Beyaert, B., Florin, G., Lonc, P., Natkin, S.** Evaluation of computer systems dependability using stochastic Petri nets 1-50063
- Beyeler, H.-U.** Superionconduction: an extraordinary phenomenon with interesting applications in energy and measurement techniques 1-46465
- Beyer, A.** Analysis of the characteristics of an earthed fin line 1-36320
- Beyer, A.** The external magnetic field of two dimensional magnetized bodies 1-41179
- Beyer, A., Solbach, K.** Fin line ferrite isolator for integrated millimeterwave circuits 1-45626
- Beyer, D.D.** Cautions and notes on using DMMs 1-52502
- Beyer, J.B.** *see* Hohenwarter, G.K. 1-28339
- Beyer, W.** Contribution to the reliability and maintenance of medium-voltage circuit-breakers 1-31352
- Beyer, W., Mell, H.** Influence of boron doping of the transport properties of A-Si:H films 1-45952
- Beyer, W.** *see* Overhof, H. 1-32663
- Beysers, B.W., Jr., Hammerschmitt, B.T.** An autoprogrammer for a television receiver with a locking arrangement to prevent program changes 1-29875
- Beysers, J.W., Dohse, L.J., Fucetola, J.P., Kochis, R.L., Lob, C.G., Taylor, G.L., Zeller, E.R.** A 32b VLSI CPU chip 1-32310
- Beynie, C.** *see* Robinet, M. 1-47471
- Bezdek, R.H., Bulent Cangel, A.** The solar energy/utility interface 1-53315
- Bezdek, J.** To the problems of quality factor measurement for microwave resonators 1-50613
- Bezerra, J.B., Arantes, D.S.** Spectra of linearly coded digital signals 1-33505
- Bezhan, N.P.** *see* Akhmedov, D. 1-28730, 1-28731
- Bezlyudko, G.Y.** *see* Andrianov, V.A. 1-46941
- Beznoigikh, Yu.D.** *see* Baldin, A.M. 1-42889, 1-48569
- Bezruchko, K.V., Belan, N.V., Grilikhes, V.A., Grishutin, M.M.** Toluene as a working fluid in solar steam-turbine plants 1-49351
- Bezruk, I.A., Safonov, A.S.** Design principles of automated system for processing data obtained using digital electrical prospecting stations 1-34704
- Bezrukavnikov, V.N., Rodionov, V.D.** Analytical construction of observers with specified transient process estimates 1-30043
- Bezryadin, N.N.** *see* Sysoev, B.I. 1-27883
- Bezrugly, G.B.** *see* Postnikov, V.I. 1-31194
- Bhag Singh Guru** Cross-field analysis of T and L-connected capacitor motors with arbitrarily displaced windings 1-35177
- Bhag Singh Guru** Analysis of induction motors with asymmetric windings 1-44094
- Bhagavatula, V.A.** Measurement of cutoff wavelength and propagation curve in single-mode waveguides 1-36928
- Bhagwat, R.T., Bedford, R.E., Revankar, G.N.** Analysis of thyristor controlled slip ring induction motor with saturistor in rotor circuit 1-49455
- Bhalla, A.S.** *see* Halliail, A. 1-32891
- Bhandari, N., Lal, D., Rajan, R.S., Arnold, J.R., Marti, K., Moore, C.B.** Atmospheric ablation in meteorites: a study based on cosmic ray tracks and neon isotopes 1-48635
- Bharadwaj, F.G., Venkatesan, K., Saxena, R.B.** Computer aided design of polyphase cage induction motors 1-49463
- Bharath-Kumar, K., Jaffe, J.M.** A new approach to performance-oriented flow control 1-33803
- Bhargava, A.K.** *see* Bhargava, V.K. 1-41494
- Bhargava, R.N.** *see* Fitzpatrick, B.J. 1-32058
- Bhargava, R.N.** *see* Werkhoven, C. 1-32056
- Bhargava, V.K., Young, G., Bhargava, A.K.** A characterization of a (56,28) extremal self-dual code 1-41494
- Bhargava, V.K.** *see* Avni, M. 1-29119
- Bhartia, P.** *see* Bahl, I.J. 1-37369, 1-47039
- Bhaskar, N.D.** *see* Sharma, A. 1-51332
- Bhaskar Rao, D.V.** *see* Sun-Yuan Kung 1-37586
- Bhat, A.S.K.** Novel equidistant digital pulse firing schemes for three-phase thyristor converters 1-32172
- Bhat, B.** *see* Koul, S.K. 1-41271, 1-46982
- Bhat, H.L.** *see* Madhava, M.R. 1-50805
- Bhat, K.N.** *see* Chakravarti, S.N. 1-36532
- Bhat, K.N.** *see* Das, P. 1-44365
- Bhat, S.A.K.** Improved equidistant pulse firing schemes for 3- $\phi$  thyristor converters 1-31319
- Bhat, S.A.K.** Digitally controlled multiple-pulse-width-modulated AC chopper for power control 1-49568
- Bhat, S.A.K.** An equidistant digital trigger scheme for 3- $\phi$  thyristor converters 1-53528
- Bhatia, D.** *see* Datta, N. 1-32001

- Bhatia, H.S.** *see* Anantha, N.G. 1-27997, 1-45994
- Bhatia, R.** On the rate of change of spectra of operators. II 1-39477
- Bhatia, T.S.** *see* Hollas, C.L. 1-43199
- Bhatnagar, H.M.** *see* Kothari, P.C. 1-34368
- Bhatt, D.N.** Capacity-expansion model for telephone feeder plant 1-42006
- Bhatt, S.K.** Linearization technique for linear fractional and pseudo-monotonic programs revisited 1-39616
- Bhattacharya, A.K.** *see* Biswas, B.N. 1-36343
- Bhattacharya, B.K.** *see* Toussaint, G.T. 1-33692
- Bhattacharya, D.** *see* Kal, S. 1-28959
- Bhattacharya, D.P.** High-field galvanomagnetic effects in compensated nonpolar semiconductors 1-45912
- Bhattacharya, P.K.**, Yeaman, M.D. Enhanced barrier height of Au-In<sub>1-x</sub>Ga<sub>x</sub>As<sub>1-y</sub>P<sub>1-y</sub> Schottky diodes 1-36590
- Bhattacharya, S.** *see* Barton, P.J. 1-46039
- Bhattacharya, S.** *see* Kar, S. 1-53647
- Bhattacharyya, A.**, Iyer, V., Streetman, B.G., Baker, J.E., Williams, P. Electrical activation and impurity redistribution during pulsed laser annealing of BF<sub>2</sub><sup>+</sup> implanted amorphized silicon 1-46065
- Bhattacharyya, A.B.**, Shankarnarayan, L., Wallinga, H. Performance of an area variable MOS varicap weighted programmable CCD transverse filter 1-40096
- Bhattacharyya, B.B.**, Sundaramurthy, M., Swamy, M.N.S. Systematic generation of canonic sinusoidal RC-active oscillators 1-36136
- Bhattacharyya, B.B.** *see* Sundaramurthy, M. 1-45317
- Bhattacharyya, M.**, Goel, R.C. Optimized design of shaded-pole motors 1-49458
- Bhattacharyya, M.** *see* Goel, R.C. 1-53412
- Bhattacharyya, S.P.** *see* de Souza, E. 1-39481
- Bhatti, M.A.**, Pister, K.S. Transient response analysis of structural systems with nonlinear behavior 1-39685
- Bhatti, T.S.**, Tripathy, S.C., Jha, C.S. Accurate digital torque angle meter 1-38298
- Bhavani, K.**, Vaidyan, V.K. An accurate solid state magnetic fluxmeter 1-42653
- Bhavsar, D.K.** Self-testing supercells: alternate test strategies 1-36665
- Bhavsar, D.K.** *see* Heckelman, R.W. 1-28084
- Bhide, G.K.** *see* Katti, V.R. 1-32541
- Bhide, G.K.** *see* Rangarajan, L.M. 1-32543
- Bhide, S.D.** *see* Banerjee, S.K. 1-35672, 1-38698, 1-44757
- Bhide, V.G.** *see* Salkalachen, S. 1-49702
- Bhimasankaram, V.L.S.** *see* Sreedhar Murthy, Y. 1-52938
- Bhimasankaram, V.L.S.** *see* Suryanarayana Rao, S.V. 1-52937
- Bhojwani, H.R.** *see* Singh, P. 1-26877
- Bhonsle, R.V.** *see* Alurkar, S.K. 1-29048
- Bhonsle, R.V.** *see* Dixit, P.S. 1-51599
- Bhushan, B.**, Kashyap, S.C., Chopra, K.L. Novel nonohmic binary composite 1-27174
- Bhushan, B.**, Kashyap, S.C., Chopra, K.L. Electrical and dielectric behavior of a zinc oxide composite [varistors] 1-40731
- Bhushan, S.**, Pandey, A.N., Rao Kaza, B. Brightness waves of electroluminescence in ZnO:La electroluminescent 1-28570
- Bhuta, M.B.**, Cunningham, J.E., Jr. Extending available logic power after a primary power loss 1-27259
- Bhutta, S.M.** Quality assurance acts as catalyst for developing countries 1-53189
- Biagini, M.E.**, Guiducci, S., Preger, M., Serio, M., Tazzari, S. Observation of ion trapping at Adone 1-48506
- Bialas, W.F.**, Weiss, L. Bounds for the error in an approximation to the distribution of continuous random vectors with bounded supports 1-35782
- Bialkiewicz, Z.**, Jakubczak, J., Ksiązek, J. The effect of thyristor converters on harmonic voltage distortion in a distribution network 1-53071
- Bially, T.** *see* Pohlig, S.C. 1-37606
- Bialojan, B.** *see* Dienger, G. 1-48829
- Bialoruski, T.** Selection principles of routes in teleinformation networks 1-41845
- Bialy, A.** *see* Gawecki, L. 1-28847
- Biamonte, R.A.**, Felton, B.C., Meyer, H.P. Transistor switching regulator starting and monitoring 1-50411
- Bianki, N.A.**, Mikheev, P.A. Increasing the field of view and resolution of fiber-optic viewing systems 1-36886
- Biaorong, Li.** The theory of improvement on ferroelectric ceramic condensers 1-45722
- Biba, K.J.** LocalNet: a digital communications network for broadband coaxial cable 1-29479
- Bibro, M.**, Tyrowicz, A. The measurement of small reflection coefficients [microwave reflectometry] 1-48214
- Bibyk, S.B.** *see* Kapoor, V.J. 1-32719
- Bic, J.C.**, Bousquet, J.C., Oberle, M. Privacy over digital satellite links 1-47628
- Bichl, I.**, Biermeier, J., Gollmann, D., Pichler, F. Cryptanalysis of the data encryption standard by formal coding 1-33509
- Bichler, H.**, Fenk, J. Frequency counter integrated circuit SDA 5680A 1-32358
- Bichler, H.**, Fenk, J. The IC unit, SDA 5680A, universal frequency counter covering 100 kHz to 30 MHz 1-38257
- Bichler, H.**, Fenk, J. Simple universal 0 to 30 MHz frequency counter with SDA 5680A 1-38258
- Bichutskaia, T.I.**, Novikov, V.V. Interaction of modes in the presence of threefold degeneracy 1-51643
- Bickel, G.W.** *see* McDuffee, F.T. 1-36943
- Bickerdike, C.G.** *see* Brennan, F.L. 1-44051
- Bickers, L.** Schmitt trigger circuit with picosecond risetimes 1-50473
- Bickes, R.W., Jr.** *see* Walko, R.J. 1-48563
- Bickford, C.U.** *see* Hendel, R.H. 1-46118
- Bickley, J.** Some views on semiconductor reliability. II. [packaging] 1-26932
- Bickley, J.** Reliability aspects of semiconductor devices 1-36647
- Bickley, J.** Reliability of semiconductor devices 1-44743
- Bida, G.V.** *see* Aronson, E.V. 1-36021
- Biddle, R.S.** *see* Reid, D.W. 1-42909
- Biderman, J.** *see* Touchard, F. 1-52732
- Bie, J.D.** From the seventies to the eighties—the evaluation of the technology 1-40674
- Biederman, H.** *see* Hrach, R. 1-31947
- Bieg, K.W.** *see* Johnson, D.J. 1-30309
- Biegelsen, D.K.**, Johnson, N.M., Bartelink, D.J., Moyer, M.D. Laser-induced crystallization of silicon islands on amorphous substrates: multi-layer structures 1-27090
- Biegelsen, D.K.** *see* Johnson, N.M. 1-40439, 1-46002
- Biegelsen, D.K.** *see* Knights, J.C. 1-32075
- Bielak, O.** Estimation of the influence of frequency and power regulation on the service life of a steel drum of the CSN 415223 330 t/h power plant 1-30999
- Bielek, K.-H.**, Schopf, G. Optical fibre data transmission systems for electrical power supply undertakings 1-42244
- Biello, D.R.** *see* Miller, T.R. 1-48685
- Bielowski, P.** *see* Seruga, W. 1-31699
- Biemond, Ir.J.** Optimal statistical filtering of images 1-29191
- Biemond, J.**, Gerbrands, J.J. Comparison of some two-dimensional recursive point-to-point estimators based on a DPCM image model 1-33607
- Bienenstock, A.** Relation of roles of in-laboratory and synchrotron radiation EXAFS facilities 1-34541
- Bieniek, K.** *see* Andresen, E. 1-31217
- Bienvu, G.**, Kopp, L. Adaptive high resolution passive methods 1-33655
- Bienvu, G.**, Kopp, L. Source power estimation method associated with high resolution bearing estimator 1-37976
- Bierbaum, C.** *see* Kenney, J., Jr. 1-52861
- Biermeier, J.** *see* Bichl, I. 1-33509
- Biernacki, R.M.**, Bandler, J.W. Multiple-fault location of analog circuits 1-32138
- Biernacki, R.M.** *see* Bandler, J.W. 1-45204
- Biess, J.J.**, Inouye, L.Y., Frye, R.J. Power processing technology for spacecraft primary ion propulsion 1-30530
- Biessen, L.** *van* *see* van Biessen, L.
- Biesterbos, J.W.M.**, Den Boef, A.J. High-frequency noise in the output of DH(AI<sub>2</sub>Ga)As injection lasers with different structures and waveguiding mechanisms 1-37118
- Biey, M.** Design of twin-T single amplifier building block with prescribed values of capacitors and minimum gain-sensitivity product 1-27488
- Biey, M.** Low-Q approximation of filters with prescribed attenuation shape 1-45474
- Bigelow, J.E.** *see* Blodgett, F.M. 1-47350
- Bigg, D.M.** *see* Bradbury, E.J. 1-27177
- Biggerstaff, J.A.** *see* Ziegler, N.F. 1-42821
- Biggs, P.D.**, Blonstein, J.L. L-SAT—Europe's satellite for the eighties 1-29682
- Bigi, F.**, Bonaventura, G. CCITT studies on optical fibres cables measurements 1-28510
- Bigio, I.J.**, Slatkine, M. Attainment of the theoretical minimum input power for injection locking of an unstable-resonator Krf laser 1-51366
- Biglieri, E.** The computational cutoff rate of channels having memory 1-33442
- Biglieri, E.** The computational cutoff rate of channels having memory 1-41501
- Biglieri, E.** *see* Benedetto, S. 1-47633
- Bihoreaux, C.** *see* Irving, E. 1-30919
- Bijwe, P.R.** *see* Nanda, J. 1-34766, 1-43514
- Bikmurzin, G.Sh.**, Zhukov, S.V. Reduction of impulse noise on the output of a differential modulator 1-27359
- Billardi, G.** *see* Pupolin, S. 1-33478
- Bild, R.W.** 14 MeV neutron activation analysis of oxygen in Li-Si alloys for Li(Si)/FeS<sub>2</sub> thermally activated batteries 1-39109
- Bilenko, D.I.**, Berman, L.V., Dvorkin, B.A., Il'in, M.A., Kazanova, N.P., Polyanskaya, V.P., Solov'eva, E.V. Thickness monitoring for epitaxial and insulating films with unsharp film-substrate boundaries 1-42749
- Bilenko, D.I.**, Kutselyak, P.I., Lun'kov, A.Ye. Local UHF heating of charge carriers in semiconductor structures of the type n-n<sup>+</sup>, n<sup>+</sup>-n-n<sup>+</sup> 1-36507
- Biletov, M.V.**, Vassershtein, I.S. The detection characteristics of noncoherent radar signals with rapid Nakagi fluctuations of the reflected signals 1-47714
- Bilgekul, H.S.**, Sankur, B. Conditionally nonparametric rank correlator detector 1-37479
- Bilgory, A.**, Gajski, D.D. Automatic generation of cells for recurrence structures [VLSI] 1-46244
- Billan, J.**, Henrichsen, K.N., Laeger, H., Lebrun, P., Perin, R., Pichler, S., Pugin, P., Resegotti, L., Rohmig, P., Tortschanoff, T., Verdier, A., Walckiers, L., Wolf, R. The eight superconducting quadrupoles for the ISR high-luminosity insertion 1-48530
- Billard, B.** Polynomial manipulation with APL 1-45027
- Billardon, M.** *see* Deacon, D.A.G. 1-46661
- Bille, G.** *see* Baldes, H. 1-44420
- Billen, J.H.** A radio frequency He<sup>-</sup> source and a source of negative ions by cesium sputtering 1-38380
- Billeter, T.R.** Displacement measurement sensor for use in loss-of-fluid-test reactor 1-34251
- Billette, J.** *see* Gallais-Hammon, F. 1-52811
- Billi, R.** *see* Copperi, M. 1-47630
- Billing, H.** *see* Rudiger, A. 1-37200
- Billing, J.F.** *see* Nothnick, C.E. 1-46439
- Billing, M.**, Blum, E., Kirchgessner, J., Littauer, R., McDaniel, B., Meller, R., Morse, D., Peck, S., Peggs, S., Rice, D., Rouse, G., Seeman, J., Shinsky, K., Siemann, R., Sundelin, R., Talman, R., Tigner, M., von Borstel, E. CESR: The first year 1-42862
- Billing, M.** *see* Rice, D. 1-42989
- Billing, M.** *see* Seeman, J. 1-43023
- Billing, M.** *see* Sundelin, R. 1-43084
- Billinge, R.** *see* Austin, B. 1-42891
- Billinge, R.** *see* Autin, B. 1-52643
- Billingsley, F.** *see* Murphy, R.E. 1-42554
- Billingsley, J.**, Singh, H. Digital position control by means of a dedicated microcomputer 1-31252
- Billinton, R.** *see* Hamoud, G. 1-30621
- Billinton, R.**, Kumar, Y. Transmission line reliability models including common mode and adverse weather effects 1-49048
- Billinton, R.**, Kuruganty, P.R.S. Probabilistic assessment of transient stability in a practical multimachine system 1-43563
- Billinton, R.**, Medicherla, T.K.P. Station originated multiple outages in the reliability analysis of a composite generation and transmission system 1-48957
- Billinton, R.**, Medicherla, T.K.P., Sachdev, M.S. Application of common-cause outage models in composite system reliability evaluation 1-43564
- Billinton, R.** *see* Hamoud, G. 1-34784, 1-43521
- Billinton, R.** *see* Kuruganty, P.R.S. 1-43786
- Billowes, C.A.**, Bowers, P.G., Rose, E.G. Low power direct broadcasting satellite trials in Canada 1-29834
- Billsback, M.S.** Drum wound cable 1-40259
- Bilvin, P.J.**, Mathieson, E., Smith, G.C. Position resolution in a multiwire chamber with graded-density cathodes 1-34467
- Bilyk, G.B.** *see* Karpenko, V.M. 1-53836
- Bilz, H.** *see* Bussmann-Holder, A. 1-28162
- Bimson, A.** LSI array technology 1-32884
- Bin Lim Chun** *see* Chun Bin Lim
- Bin-zhang Luo** *see* Luo Bin-zhang
- Binard, L.** *see* Decretto, M. 1-30250
- Binari, S.C.**, Mattauch, J., Oliver, J.D., Jr. Improved liquid phase epitaxial GaAs for low series resistance Schottky barrier mixer diodes 1-39807
- Bind, J.M.** *see* Manificier, J.C. 1-27137
- Bindels, J.F.M.**, Chipala, J.D., Fischer, F.H., Mantz, T.F., Nelson, R.G., Smith, R.T. Cost-effective yield improvement in fault-tolerant VLSI memory 1-32306
- Bindemann, R.** *see* Wandel, K. 1-45935
- Binder, D.A.** Approximations to Bayesian clustering rules 1-35755
- Binder, E.** *see* Hasson, A. 1-30065
- Bindler, J.E.** *see* Zollner, G. 1-42568
- Bindokas, V.P.** *see* Greenberg, B. 1-53112
- Bindon, F.J.L.** CEGB Magnox gas-cooled reactor operating performances 1962 to 1980 1-53208
- Biner, W.** Analysis of accidents in nuclear power stations 1-49224
- Binet, M.**, Baudet, P. Field effect transistor microwave characterization: noise figure, gain power measurements on microwave bench 1-36614
- Binet, M.** *see* Parisot, M. 1-36615
- Bing-qian Bao** *see* Bao Bing-qian
- Bing-rong Sun** *see* Sun Bing-rong
- Bing-yu Yan** *see* Yan Bing-yu
- Bing-Yuen Foo** *see* Boerner, W.-M. 1-37291
- Bing-zhong Huang** *see* Huang Bing-zhong

- Bingcai Yu *see* Yu Bingcai
- Bingeli, A.** *see* Riedl, F. 1-40291
- Bingham, B.V.** *see* Bruggis, S.G. 1-34581
- Bingham, G.E.,** Gillespie, C.H., McQuaid, J.H., Dooley, D.F. A miniature, battery-powered, pyroelectric detector-based differential infrared absorption sensor for ambient concentrations of carbon dioxide 1-52463
- Binglin Rong** *see* Rong Binglin
- Bingmann, K.** The social economic importance of electrical energy in the heating market 1-53775
- Bingmann, K.** *see* Dotzenrath, W. 1-49807
- Bini, M.,** Ignesti, A., Millanta, L., Rubino, N., Vanni, R. Electric, magnetic and electromagnetic fields: generation apparatus and measurements 1-34643
- Binnie, C.D.** *see* De Vries, J. 1-48712
- Binnig, G.,** Gerber, C. Piezo travelling support 1-26934
- Binninger, R.B.** *see* Bean, N.T. 1-46273
- Binns, B.W.** *see* Weaver, S.E. 1-41166
- Binns, D.F.,** Habibollahi, H. Overvoltages developed in termination of a transmission line at energization 1-49141
- Binns, K.J.,** Jabbar, M.A. High field self-starting permanent magnet synchronous motor 1-35150
- Binns, K.J.,** Jabbar, M.A. Some recent developments in permanent magnet alternating current machines 1-49431
- Binns, K.J.,** Kahan, P.A. Effect of load on the tangential-force pulsations and harmonic torques of squirrel-cage induction motors 1-44101
- Binns, K.J.,** Rees, G.R., Kahan, P.A. The choice of slot combinations in relation to the force pulsations on induction machine teeth 1-53453
- Binns, W.R.,** Israel, M.H., Klarmann, J., Scarlett, W.R., Stone, E.C., Waddington, C.J. The UH-nuclei cosmic ray detector on the third High Energy Astronomy Observatory 1-48604
- Binst, P.** *van see* van Binst, P.
- Lint, L.** *see* Glover, K.M. 1-38383
- Biolsi, W.A.** *see* Bobeck, A.H. 1-46450
- Biolsi, W.A.** *see* Kirsch, S.T. 1-51216
- Biondi, E.** Systematic approach in bioengineering 1-34553
- Biraben, F.** *see* Grynberg, G. 1-28636
- Birand, M.T.,** Gelsthorpe, R.V. Experimental millimetric array using dielectric radiators fed by means of dielectric waveguide 1-51727
- Birand, M.T.,** Williams, N. Input VSWR of profiled E-plane tapers 1-27592
- Birand, M.T.,** Williams, N., Inggs, M. A printed millimetre wave array using a low loss dielectric waveguide feeder 1-41416
- Birand, T.** *see* Williams, N. 1-41402
- Birattari, C.** *see* Acerbi, E. 1-42896
- Birch, J.R.** Liquid-phase dielectric measurements at 100, 200 and 300 GHz using the fundamental and the harmonics of an Impatt oscillator 1-48223
- Birch, K.G.** Uncertainty of measurements made using the Automatic Scale Measuring Interferometer 1-52581
- Birch, M.J.,** Nicholls, A.D., Brown, E.R. Magnetic bubble memory linear interface circuits 1-40831
- Birch, P.K.** *see* Stangerup, P. 1-49631
- Birchall, J.** *see* de Jong, M. 1-42881
- Bird, D.R.** *see* Clifford, P.C. 1-30401
- Bird, I.G.** A photomultiplier photon counter 1-40366
- Bird, J.F.** Theory of magnetic levitation for biaxial systems 1-37289
- Bird, J.R.,** Bylanski, P., Tritton, J.A. Aspects of transmission and distribution in the local network 1-41885
- Bird, M.** Infra-red - the invisible pointer to electrical faults 1-38832
- Bird, P.F.** *see* Starkovich, V.S. 1-30266
- Bird, R.H.** Redcar blowing and generating station 1-31708
- Bird, R.P.** A dynamically microprogrammable machine as a variable function resource in a local area network 1-47400
- Bird, R.T.F.** *see* Chan, K.C.D. 1-42958
- Bird, S.P.** *see* Laity, W.W. 1-31127
- Bird, T.S.** Investigation of crosspolarisation in off-set Cassegrain antennas 1-51683
- Bireh, J.R.,** Dromey, J.D., Lesurf, J. Optical constants of some common low loss polymers between 4 and 40 cm<sup>-1</sup> 1-28424
- Birenbaum, L.** *see* Levi, E. 1-49769
- Biringer, P.B.** *see* Slonim, M.A. 1-35247, 1-35248
- Biritiskii, M.I.** A procedure and apparatus for measuring the flow speed or discharge of open shallow streams 1-43448
- Birk, J.** *see* Kelley, R. 1-52273
- Birken, J.A.** In depth studies of composite aircraft electromagnetic performance 1-33370
- Birkenmaier, P.** Refinements flatly packed [Braun Studio 701 Hi-Fi equipment] 1-29924
- Birkett, D.S.,** Marshall, T.C., Schlesinger, S.P., McDermott, D.B. A submillimeter free-electron laser experiment 1-51487
- Birkett, F.N.** *see* Berrie, P.G. 1-51542
- Birkhofer, A.** Risk studies for nuclear power plant - merits and limitations 1-35005
- Birkholz, W.,** Uhlmann, W., Schlimpert, O., Freyer, K. An electronic system of units for the quantitative analysis of images. Digitising and storing image information with the BEDG 256. II 1-42577
- Birkinshaw, A.J.** Bi-phase comparator 1-48151
- Birkle, M.,** Friederich, H. Microcomputer-equipped automatic noise measuring station 1-52611
- Birkmire, R.W.** *see* Hall, R.B. 1-44354
- Birks, G.** Electronic mail - its use in a corporate information centre network 1-37713
- Birnbaum, M.,** Tucker, A.W., Fincher, C.L. Laser emission cross section of Nd:YAG at 1064 nm 1-41070
- Biro, T.** A semiconductor radiation detector, with one single transistor only 1-43203
- Birolini, A.** Observations made by testing of VLSI circuits 1-40658
- Birolini, A.** The importance of testing and screening of electronic components and devices 1-49987
- Birrell, A.N.** A management information system for building engineering services 1-49925
- Birsic, R.J.** The Philippines geothermal success story 1-31066
- Birtcher, R.C.,** Brown, B.S., Scott, T.L. Critical current changes in NbTi during fast-neutron irradiation at 6 K 1-36843
- Birx, D.** *see* Alvarez, R.A. 1-28411
- Birx, D.L.,** Scalapino, D.J. Adiabatic compression of a microwave field by a plasma discharge [microwave cavity] 1-27603
- Birx, D.L.** *see* Alvarez, R.A. 1-48449
- Birx, D.L.** *see* Briggs, R.J. 1-48400
- Birx, D.L.** *see* Fessenden, T.J. 1-48557
- Biryukov, A.S.,** Marchenko, V.M., Prokhorov, A.M. Possibility of utilization of gas-dynamic pyrolysis to produce active laser media 1-28659
- Biryukov, V.N.** Application of different electrical length cable sections for measuring the SWR of coaxial connectors 1-38263
- Biryukov, V.N.** *see* Popov, V.P. 1-32831
- Biryulin, P.V.** Measurement of infrared heterodyne photoreceiver parameters 1-42621
- Biryulin, P.V.** Operating modes of an electrooptical modulator in investigations of the frequency characteristics of photoreceivers 1-42622
- Birzele, P.,** Thinschmidt, H. A local distributed microcomputer network based on an optical bus system with decentralized communication control 1-37772
- Bisaro, R.** *see* Servet, B. 1-27179
- Bisbee, L.S.** *see* Tice, W.B. 1-30643
- Bischel, W.K.,** Eckstrom, D.J., Walker, H.C., Jr., Tilton, R.A. Photolytically pumped XeF (C→A) laser studies 1-51356
- Bischoff, A.** Properties and metallurgical aspects of wires used for bonding 1-27739
- Biserna, T.G.,** Guardincerri, A., Piatasi, M. Hybrid model for studying the feedwater control system of a BWR power plant 1-30917
- Bishara, B.A.,** Mohsen, Z.A. Penetration effects in scintiscanner collimators from gamma extended sources 1-48625
- Bishop, B.L.** *see* Goodman, M.S. 1-34447
- Bishop, C.A.,** Bradley, D.L., Nguyen, T. Optical drop servo scheme 1-38295
- Bishop, C.A.** *see* Howson, R.P. 1-50325
- Bishop, D.W.** *see* Bahrman, M.P. 1-43646
- Bishop, H.W.,** Brown, J.E. Measurement of the quality of commutation in a DC machine by processing the alternating voltage induced in its field winding 1-49480
- Bishop, J.F.W.** Power from plutonium: fast reactor fuel 1-38871
- Bishop, S.G.,** Klein, P.B., Henry, R.L., McCombe, B.D. Photoluminescence studies of deep impurity states in Fe-doped InP 1-28567
- Bishop, W.S.** *see* Boehman, L.I. 1-31153
- Bisiaux, B.** *see* Mondot, J. 1-44737
- Bisio, G.R.,** Icardi, M., Di Zitti, E., Portesine, M., Tenconi, S. Switching performances of high power fast recovery rectifiers 1-53552
- Biskeborn, R.** *see* Ostergren, C. 1-27905
- Bisognano, J.,** Haber, I., Smith, L., Sternlieb, A. Non-linear and dispersive effects in the propagation and growth of longitudinal waves on a coasting beam 1-43009
- Bisognano, J.** *see* Lambertson, G. 1-48525
- Bisognano, J.** *see* Lambertson, G.R. 1-42997
- Bisognano, J.J.** Kinetic equations for stochastic cooling 1-48522
- Bisognano, J.J.,** Chattopadhyay, S. Stochastic cooling of bunched beams 1-42994
- Bistritsky, V.M.** *see* Didenko, A.N. 1-48558
- Biswas, A.B.** *see* Seshan, K. 1-28235
- Biswas, B.N.,** Ray, S.K., Pramanik, K., Sadhu, M., Bhattacharya, A.K. Modified circuit theoretical approach on synchronised microwave IMPATT oscillators 1-36343
- Bisyarin, V.P.,** Bisyarina, I.P., Tretyakov, G.K. Transmission of laser radiation ( $\lambda=0.63$  and  $10.6 \mu\text{m}$ ) through clouds on a mountainous path 1-46950
- Bisyarina, I.P.** *see* Bisyarin, V.P. 1-46950
- Bitmead, R.R.,** Anderson, B.D.O. Adaptive frequency sampling filters 1-37501
- Bitoleanu, A.** *see* Popescu, G. 1-31504
- Bittencourt, A.,** Fritz, B., Tardy, Y. Refinements in the use of chemical geothermometers application to the Plombieres system (France) 1-34706
- Bitterli, J.,** Leimer, H.J., Ruzek, W. Combined district heat and power station, Aubrug, Zurich 1-31024
- Bittner, O.** *see* Langer, H.-D. 1-27186
- Bituykov, S.I.** *see* Alekseev, A.V. 1-52742
- Bituyurin, V.A.** *see* Bazarov, G.P. 1-53693
- Bitzer, E.** Matched filtering and linear compensation in linear time-variable channels with consideration of the properties of troposcatter channels 1-28921
- Bivens, H.M.** *see* Humphreys, D.R. 1-38571
- Bivens, H.M.** *see* Jensen, D.H. 1-38570
- Bixler, H.** *see* Herbelin, J.M. 1-28637
- Bizeul, J.-C.** *see* Guillaume, M.E. 1-46484
- Bizik, J.,** Mudroncik, D., Murgas, J. Stability and stability region estimation of large-scale power systems 1-53005
- Bizjak, M.** Filter for the angle error correction at the photoelectric area measurement 1-36996
- Bizzarri, U.,** Vignati, A. Increase of energy from 12 to 20 MeV of the Frascati Microtron 1-42838
- Bjargard, B.E.** *see* Chin, L.M. 1-34633
- Bjelkhaugen, H.** *see* Abramson, N. 1-52574
- Bjerneby, K.** Quality of electricity supply: problems greatest in rural areas 1-38737
- Bjontegaard, G.,** Pettersen, T. A shaped offset dual reflector antenna with high gain and low side-lobe levels 1-41363
- Bjorkholm, J.E.,** Smith, P.W., Tomlinson, W.J., Kaplan, A.E. Optical bistability based on self-focusing 1-46791
- Bjorkholm, J.E.** *see* Freeman, R.R. 1-46798
- Bjorklund, A.** *see* Virsberg, L.-G. 1-44017
- Bjorklund, C.M.** *see* Milgram, D.L. 1-48812
- Bjorklund, G.,** Johansson, J. Custom design circuits for telecommunications 1-41864
- Bjorklund, G.C.,** Brauchle, Chr., Burland, D.M., Alvarez, D.C. Two-photon holography with continuous-wave lasers 1-28805
- Bjorklund, G.C.,** Hope, J.D., Pole, R.V. Interferometric device for measurement of small physical motion 1-28820
- Bjorklund, G.C.,** Macfarlane, R., Ortiz, C., Shelby, R. Method for producing controlled spatial distributions of color centers for photochemical hole burning memories 1-28420
- Bjorkqvist, K.** *see* Runov, F. 1-50940
- Bjornstad, T.,** Carraz, L.C., Gustafsson, H.A., Heinemeier, J., Jonson, B., Jonsson, O.C., Lindfors, V., Mattsson, S., Ravn, H.L. New targets for on-line mass separation of nuclei formed in 600 MeV proton and 910 MeV <sup>3</sup>He reactions 1-48551
- Bjornstad, T.** *see* Novik, S.I. 1-48591
- Bjornstad, T.** *see* Vosicki, B. 1-52655
- Bjornstad, P.,** Dahlquist, G., Grosse, E. Extrapolation of asymptotic expansions by a modified Aitken  $\delta^2$ -formula 1-35867
- Bjuyan, L.,** Chatterji, B.N. Very low sensitivity recursive digital filter structures 1-32347
- Blachere, J.M.** *see* Benichou, C. 1-50977, 1-50978
- Blachere, J.-M.,** Benichou, C., Braquet, H.J. An integrated MSI crosspoint array 1-42056
- Blachere, J.-M.** *see* Benichou, C. 1-52023
- Blachman, N.M.** The effect of phase error on DPSK error probability 1-29071
- Blachman, N.M.** Third-order intermodulation due to quantization 1-33663
- Black, D.O.** *see* Raymond, L.S. 1-36414
- Black, G.M.** *see* Bouley, A.C. 1-48100
- Black, J.F.** *see* Grudkowski, T.W. 1-32939, 1-36802, 1-46376
- Black, J.K.** *see* Leipuner, L.B. 1-43259
- Black, J.M.** Window comparator for voltages 1-32360
- Black, R.G., Jr.** *see* Bailey, J.A. 1-46411, 1-46413
- Black, T.D.,** Komotskii, V.A. Infrared detection using acousto-optic interaction with thermally induced grating in optical waveguides 1-30118
- Black, T.D.** *see* Komotskii, V.A. 1-28206
- Blackburn, D.L.** *see* Berning, D.W. 1-34386
- Blackburn, H.** Flat-panel displays 1-34342
- Blackburn, J.A.** Audio frequency pulse code modulation data link using an optical fiber 1-29755
- Blackburn, J.A.** *see* Octavio, M. 1-28362
- Blackburn, T.L.,** Stewart, J.A. The 85A single channel station carrier system 1-29525
- Blackburn, T.R.** *see* Afanasiev, A.A. 1-53578
- Blackford, B.** *see* Stroink, G. 1-38479
- Blackie, I.T.B.** *see* Wesley, A.C. 1-30507
- Blackman, G.A.W.** The Magnox stations - safe and economical 1-53207
- Blackmon, D.B.** A utility perspective of alternative energy sources 1-49217
- Blackmore, D.** The describing function for bounded nonlinearities 1-32150
- Blackmore, E.W.** *see* Baartman, R. 1-48338

- Blackmore, R.W., Altmann, W. A 34 Mb/s optical line system operating at 1.3 micron 1-42262
- Blackstein, F.P. The scientist's role in the nuclear debate 1-49237
- Blackstone, J.H., Jr., Hogg, G.L., Patton, A.D. A simulation model for assessment of large-scale power system reliability 1-31912
- Blackwell, J. Long distance data communication 1-51973
- Blada, A. *see* Cserveny, I. 1-31079
- Bladel, J. *see* Van Bladel, J.
- Bladegroen, W.F. Instruments for measurement 1-47871
- Blaesild, P. The two-dimensional hyperbolic distribution and related distributions, with an application to Johannsen's bean data 1-35753
- Blagoveshchenskii, V.S. *see* Kiselev, V.I. 1-51989
- Blaha, A. The present state of solar technology and its future prospects 1-53620
- Blahnik, R., Magyar, L. Thermal resistance of an inhomogeneous insulator 1-46341
- Blahous, L., Rieder, W. Theoretical investigation on the accuracy of test circuit definition by the prospective voltage 1-35312
- Blahous, L. *see* Slamecka, E. 1-35270
- Blahut, R.E. Efficient decoder algorithms based on spectral techniques 1-33551
- Blaine, L.R. *see* Husain-Abidi, A.S. 1-52394
- Blair, C.E., Jeroslow, R.G. An exact penalty method for mixed-integer programs 1-35850
- Blair, W.C. Designing generators for low-speed diesels 1-53354
- Blair, W.E. *see* Owen, R.E. 1-34870
- Blake, C.L., Corbin, J.C., Jr. Electrical/electromagnetic concerns associated with advanced composite materials in aerospace systems 1-33369
- Blake, J. *see* Modell, G. 1-45896
- Blake, J.R., Fulford, G.R. Force distribution on a slender body close to an interface 1-50079
- Blake, N. Implications of updating the Ethernet specification 1-29423
- Blake, P. *see* Leger, G. 1-29463
- Blake, T.G.W., Shir, C.C. Simulation of flexible magnetic bubbles in device environments 1-46455
- Blake-Coleman, B.C., Yorke, R. Faraday and electrical conductors: an examination of the copper wire used by Michael Faraday between 1821 and 1831 1-49853
- Blakeley-Smith, A.D.C. *see* Jenkins, P.E. 1-31573, 1-35462
- Blakemore, J.S. Compensator inhomogeneity in an extrinsic semiconductor 1-36458
- Blakeslee, M.C. Photoactive polyimide [microelectronic structures fabrication] 1-40513
- Blakeslee, M.C., Schmitt, G.P., Skarvinko, E.R. Method for photosensitizing polyparabanic acid 1-27679
- Blakey, C. Noise generator 1-34302
- Blakey, P.A. Final comments on 'Effects of carrier diffusion on the small-signal performance of IMPATT diodes' 1-32788
- Blakey, P.A. *see* Grondin, R.O. 1-45891
- Blackley, D.L., Cohen, K.J., Lewin, A.Y., Morey, R.C. A multi-project decision process simulation of defense contractor behavior 1-31944
- Blalock, T.A. *see* Shumpert, T.H. 1-41258
- Blalock, T.V. *see* De Lorenzo, J.T. 1-38881
- Blanaru, C. *see* Apostol, D. 1-51543
- Blanc, M. *see* Icardent, M. 1-49035
- Blanchard, A., Dor, J.-B., Mignosi, A., Breil, J.-F. Research on an induction driven cryogenic wind tunnel 1-48786
- Blanchard, R. *see* Barisy, A. 1-42917
- Blanchet, P. *see* Barret, J.P. 1-35151
- Blanchette, P.E., Carpenter, R.W., Fischer, R.L., Meyer, K. Smear removal from drilled printed circuit boards 1-40307
- Blanco, L.N. Thermal conversion in thermal-photovoltaic solar energy systems 1-53649
- Blanco, M.A. On the optimisation of switched diversity systems for the Rician channel 1-29617
- Blanco, M.A. A geometric approach to the detection of signals of unknown energy in Gaussian noise of unknown mean and power 1-37567
- Blanco, M.A. Optimization and comparative performance of selection diversity receivers for the Rician and lognormal channels 1-37578
- Bland, R.G. The study of offshore vessel monitoring systems 1-52170
- Blandenet, G., Court, M., Lagarde, Y. Thin layers deposited by the PyroSol process 1-27153
- Blandino, A., Brighenti, A., Vielmo, P. Energy from the sea waves 1-38926
- Blaney, T.G. Power and energy meters for quasi-optical systems at near-millimetre wavelengths 1-48191
- Blank, G. Hooking up with Atari 1-51959
- Blank, H.A. The impact of system control on the design and operation of the Defense Switched Network 1-29334
- Blank, R.E., Johnson, C.B. Image-intensified linear self-scanned array detector system 1-38141
- Blank, S.L. *see* Kirsch, S.T. 1-52126
- Blank, S.L. *see* Vella-Coleiro, G.P. 1-46395
- Blank, T., Stefik, M., vanCleemput, W. A parallel bit map processor architecture for DA algorithms 1-46268
- Blank, U. The logic of engineering science 1-26846
- Blankenhorn, D.H. *see* Rooney, J.A. 1-52762
- Blanks, H.S. The reliability of plastic encapsulated devices 1-40527
- Blaricum, M.L. *see* Van Blaricum, M.L.
- Blasche, K., Bohne, D., Franczak, B., Franzke, B., Riedel, C. SIS—a two stage synchrotron facility for heavy ions 1-42782
- Blasche, K., Bohne, D., Franzke, B. SIS—an accelerator facility for relativistic heavy ions 1-48311
- Blasco, R.W. Looking toward the next-generation DSP chips 1-50996
- Blaser, H. *see* Ebert, W. 1-34046
- Blaser, H. *see* Schwarz, E. 1-34040
- Blasi, C. *see* De Blasi, C.
- Blasing, J.P., Keferstein, C. Computer aided metrology and testing in mechanical manufacture 1-30253
- Blass, B., von Ruschkowski, E., Vogler, H. The Lower Saxony reactor remote monitoring system 1-43865
- Blatch, H. The increasing capabilities of modern DMMs 1-42666
- Blatov, V.V., Chudov, A.A., Gromova, G.V. Pulse duration selector 1-27428
- Blatt, S. *see* Makowiecki, D. 1-34500
- Blatt, S.R. *see* Leipuner, L.B. 1-43259
- Blattner, R.J. *see* Evans, C.A., Jr. 1-27823
- Blattner, R.J. *see* Favennec, P.N. 1-32750
- Blattner, R.J. *see* Magee, T.J. 1-32629
- Blau, W., Penzkofer, A. Intensity detection of picosecond ruby laser pulses by two photon absorption 1-28761
- Blaufox, M.D. *see* Heller, S.L. 1-30411
- Blauschild, R.A. An open-loop programmable amplifier with a maximum gate-bandwidth product of 1 GHz 1-27328
- Blauschild, R.A. *see* Meyer, R.G. 1-27326
- Blavdzevich, Yu.G., Bandurin, V.V., Ezovit, G.P., Khebinskii, I.V. Technique for theoretical and experimental analysis of loss and heating in edge cores of turbogenerator stator 1-44071
- Blazek, W.S. *see* Schilke, P.W. 1-35069
- Blazek, Z. Calculation of iron losses in rotating electric machines on a computer 1-46835
- Blazey, R.N., Cates, B.E. High-quality laser printing by wobble scanning 1-33300
- Blazhkevich, B.I. Computer analysis of complex electrical circuits by parts and ways of obtaining solutions 1-27218
- Bleach, R.D., Nagel, D.J., Mosher, D., Stephanakis, S.J. An X-ray diagnostic for light-ion current measurements 1-48445
- Blecher, M. *see* Hargrove, C.K. 1-43237
- Blechschildt, D., Carpenter, B., Daneels, A., Dorenbos, T., Kugler, H., Pettersson, T., Riunaud, J.-P., Shering, G., van der Schueren, A. Controls for the Antiproton Accumulator 1-42936
- Blechschildt, H. Experience with MV synthetic insulated cables 1-49111
- Blechschildt, H. *see* Wehn, R. 1-30743
- Bleeker, J., Brand, W.A., van der Burg, L.D.B., van Geyswijk, C.A., Regensburg, P.C. A simple digital recording system 1-52513
- Bleich, H.E., Shih, W.C. Solvent resonance decoupling in carbon-13 NMR 1-50585
- Bleicher, I. Theory and experimental results of a charge transport detector 1-52165
- Bleicher, W., Zahn, S., Fiderer, F., Frey, R., Steil, E., Faust, U. Automatic device for non-invasive monitoring of stroke volume, cardiac output, systolic time intervals, and derived hemodynamic parameters [impedance cardiography] 1-48743
- Bleier, M. *see* Ryssel, H. 1-27782
- Bleijis, C.A. *see* Sultanem, F. 1-53435
- Bleikhman, V.S., Burakovskiy, A.Z., Mikhailov, V.F., Tsvign, A.V. Characteristics of a digital channel and of a data-transmission channel produced by a parallel multifrequency modem in a decimeter radio channel 1-47220
- Blejer, D.J. *see* King, R.W.P. 1-37324
- Blenk, H., Gerlach, J. Interference on carrier frequency overhead line circuits 1-42156
- Blenkinsop, I.D. *see* Wight, D.R. 1-28568, 1-40412
- Blenkinsop, P. Unconventional designs have unusual attractions 1-38945
- Bleser, C.A. *see* Pickett, D.F. 1-31435
- Bleser, E. *see* Wanderer, P. 1-43097
- Blessner, B. Perceptual issues in digital processing of music 1-42474
- Blessing, R., Pagnia, H., Schmitt, R. Evidence for the contribution of an adsorbate to the voltage-controlled negative resistance of gold island film diodes 1-36413
- Bletzinger, P. *see* Olson, R.A. 1-46692
- Blevins, L. *see* Turner, W.C. 1-31640
- Blewett, J.P., Blumberg, L., Campillo, A.J., DiNardo, R.P., Hsieh, H.C., Krinsky, S., Lucio, A., Pellegrini, C., Schuchman, J., Takacs, P.Z., van Steenberg, A. Free electron laser experiment at the NSLS 700 MeV electron storage ring 1-51299
- Bliman, S. *see* Aubert, J. 1-38397
- Blinov, V.N., Batov, V.G., Parshin, N.I. Ion-heating unit for hardening of machine tool components 1-31729
- Blinova, G.V., Dianova, V.A., Maneshin, N.K., Mustel', Ye.R. Optimizing the radiation of a three-mirror gas laser employing intracavity modulation 1-33186
- Blinowski, K. *see* Tsulaya, M.I. 1-48658
- Bliss, E.S. *see* Speck, D.R. 1-51409
- Bliss, J. Fibre optic system parameters 1-47662
- Bliss, W.G. Circuitry for performing error correction calculations on baseband encoded data to eliminate error propagation 1-37424
- Blit, S. *see* Halbout, J.M. 1-33273
- Blitz, J., Razzak, G.A. Temperature control of eddy-current testing coils 1-45142
- Blitz, J., Williams, D.J.A., Tilton, J. Calibration of eddy-current test equipment 1-35994
- Bloch, A.N. *see* Potember, R.S. 1-27849
- Bloch, P.D., Paige, E.G.S., Wagg, M.W. Suppression of reflection effects in surface skimming bulk wave devices 1-36773
- Bloch, S.C. *see* Tang, D.D. 1-46916
- Block, H. *see* Linden, C. 1-37407
- Block, H.W., Mei-Ling Ting Some concepts of multivariate dependence 1-50133
- Block, J.R. *see* Rubel, P. 1-48719
- Block, M. *see* Tanski, W.J. 1-36759
- Block, R.C. *see* Hayashi, S.A. 1-52651
- Blocker, C. *see* Donald, M.H.R. 1-42924
- Blocker, C. *see* Lee, M.J. 1-42908
- Blodgett, F.M., Bigelow, J.E., Peroutky, D.C. A low profile mechanism for matrix impact teleprinters 1-47350
- Blodgett, J.A., Easton, R.L., Jr. Two-stage spatial filtering for diffraction pattern analysis 1-29211
- Blodgett, J.A. *see* May, T.H. 1-52395
- Blodgett, R. Modular ATE for the airlines 1-52845
- Blom, J. *see* Claassen, W.A.P. 1-27147, 1-45115
- Blom, J. *see* Rijks, H.J. 1-36464
- Bloembergen, N. *see* Bogdan, A. 1-46794
- Bloembergen, N. *see* Liu, J.M. 1-32760
- Blok, V.M. The necessity of allowing for bends when selecting the number of lines emanating from a feed point 1-38706
- Blok, V.M. Transformer power optimisation by universal economic-interval nomograms 1-49527
- Blokh, A.Sh., Pavlovskii, A.I. Logical networks made up of three-input operators 1-41940
- Blokhin, A.A., Gyavyanlan, L.V., Molokovskii, S.I., Rylov, V.S. Permanent-magnet focusing system for electron-optical converters 1-36975
- Blom, F.A.P. Electronic properties of cadmium arsenide 1-36497
- Blom, G. Mains supply voltage distortion effects on various electrical equipment and measures for suppressing harmonic components 1-30713
- Blom, G.M. *see* Lou, D.Y. 1-34101
- Blom, J.A. *see* Jorritsma, F.F. 1-34563
- Blom, J.A. *see* Sluiter, E.R. 1-34564
- Blomeyer-Bartenstein, P. Local computer networks bring mobility to users. II 1-47380
- Blommaert, W. *see* Gijbels, R. 1-34709
- Blondeau, R. *see* Razezghi, M. 1-51452
- Blonstein, J.L., Gregory, D.N. Microwave engineering in the new generation of large satellites 1-37868
- Blonstein, J.L. *see* Biggs, P.D. 1-29682
- Blood, W.R., Jr. Computer aided design. The engineering interface for macrocell array circuits 1-32297
- Bloom, M.C. *see* Hinich, M.J. 1-29170
- Bloom, W.R. Factorisation of Lipschitz functions on zero dimensional groups 1-31914
- Bloomfield, D.S. *see* Hughes, G.F. 1-28239
- Bloomfield, P.E. *see* Scott, W.R. 1-51066
- Bloomfield, R.B. What you should know before converting to waste fuels 1-53276
- Bloomquist, D.D., Sheffield, S.A. Shock-compression temperature rise in polymethyl methacrylate determined from resistivity of embedded copper foils 1-30273
- Bloss, W.H., Pfisterer, F., Schock, H.-W. Evaporated CdS-Cu<sub>2</sub>S solar cells 1-53682
- Blosser, H.G. *see* Resmini, F.G. 1-43058
- Blower, P.E., Jr. The direct power of a 1-graph 1-50205
- Blower, R.W., Beesley, P. Experience with medium voltage vacuum circuit breaker equipment 1-49636
- Blower, R.W., Haimes, R.F. Design considerations for a range of vacuum switchgear for use in distribution systems 1-44294
- Blower, R.W., Haimes, R.F., Wood, H.S. Vacuum circuit-breaker units for distribution voltages 1-35321

- Bludau, W.**, Wichelhaus, W. Photoluminescence of doped  $\text{La}_{10}\text{S}_4\text{O}$  1-46628
- Blue, J.L.** Integral equations for electromagnetic scattering by wide scatterers 1-28866
- Blue, R.F.** see Thomae, I.H. 1-34788, 1-43535
- Bluhm, D.D.** see Nelson, S.O. 1-46849
- Blum, E.** see Billing, M. 1-42862
- Blum, E.** see Rice, D. 1-42989
- Blum, E.** see Seeman, J. 1-43023
- Blum, S.** Microcomputer-controlled equipment for the investigation of the adhesion strength of microwire connections 1-47889
- Blumberg, L.** see Blewett, J.P. 1-51299
- Blumberg, L.N.** see Galayda, J.N. 1-43032
- Blumberg, R.J.** see Bass, A. 1-27420
- Blumel, D.** see Schulz, W. 1-49077, 1-49079
- Blumenau, N.F.** Current coil interaction with superconducting strip. I. Magnetic field determination 1-28407
- Blumenfeld, S.** see Sfichi, R. 1-49851
- Blumenthal, D.** see Mourou, G. 1-36341
- Blumer, A.C.**, McEliece, R.J., Pursley, M.B., Wallace, M.S. Universal noiseless source coding techniques for Markov sources 1-33447
- Blumgold, R.** Tactical bistatic radar demonstrated 1-29796
- Blumin, A.** Voltage-tuned filter updates to a tracker 1-45461
- Blumke, H.** A more economic testing with the sequential tester CS 134 1-39412
- Blumstein, S.E.** see Sun Chang 1-47149
- Bly, R.**, Coyne, B., Paulus, T.J. A novel hybrid charged particle spectroscopy system 1-34514
- Blyler, L.L., Jr.** see Johnson, G.E. 1-51044
- Blyth, G.** Automatic testing of digital PCBs 1-32504
- Blythe, A.R.**, Carr, G.E. Characteristics of propagating electrostatic discharges on dielectric films 1-36701
- Blythe, A.R.** see Horvath, T. 1-37254
- Blythe, A.R.** see Hughes, J.F. 1-40749
- Blyumberg, V.A.** The quality of control of the technical state of electrical equipment under operating conditions 1-44661
- Bo-han Wang** see Drouet, M.G. 1-44282
- Boah, J.K.**, Russell, V., Smith, D.P. Stuffed Mo layer as a diffusion barrier in metallizations for high temperature electronics 1-36576
- Board, E.**, Kelly, J., White, T.M. Causes and remedies resulting from a cable fire at a large power station 1-43905
- Board, J.E.**, Devieux, C.L., Jr. Payloads for an experimental geostationary platform 1-29690
- Board, J.E.**, Grossman, M. Specialized communications and integration equipment for geostationary platforms 1-29691
- Board, K.**, Chandra, A., Wood, C.C., Judaprawira, S., Eastman, L.F. Characteristics of planar doped FET structures 1-36622
- Board, K.** see Eastman, L.F. 1-50792
- Board, K.** see Morgan, D.V. 1-45978
- Boardman, A.E.**, Hui, B.S., Wold, H. The partial least squares-fix point method of estimating interdependent systems with latent variables 1-44852
- Boardman, D.** A Teaching Company Programme 1-26794
- Boardman, J.T.** see Meckiff, C.C. 1-43632
- Boari, M.** see Ancilotti, P. 1-37748
- Bobbio, A.**, Saracco, O. Automatic prediction of reliability of electronic apparatus 1-31898
- Bobek, A.H.**, Biolsi, W.A., Ciak, F.J., Jin, S., Roman, B.J., Stauss, W., Wolfe, R. Recent advances in the design of dual-conductor bubble devices 1-46450
- Boberg, G.**, Stolt, L., Tove, P.A., Norde, H. Contact resistance measurements of platinum-silicide and chromium contacts of highly doped n and p silicon 1-50826
- Bobikov, V.E.**, Korneev, V.I., Kochetygov, V.I., Tripoten', I.G. A three-phase gas-insulated cable with asymmetrical arrangement of phases 1-34874
- Bobo, K.N.**, Dwire, J.D., Ko, M.A., Mumola, J.L. Partial indexing on a display 1-30004
- Bobra, A.D.** see Alurkar, S.K. 1-29048
- Bobreshov, A.M.** see Algazinov, E.K. 1-52232
- Bobrov, E.S.** see Tsukamoto, O. 1-51099
- Bobrowski, J.C.** Thermal cycle screening of militarized power supplies 1-44681
- Bobylev, B.A.** see Prints, V.Ya. 1-32649
- Bobylev, V.A.** see Kamylin, Yu.N. 1-50655
- Boccaccio, P.**, Gramigna, F., Viesti, G., Augustyniak, W. Experimental investigation on the neutron detection efficiency of an NE104 scintillator 1-38426
- Bocciolini, M.**, di Caporiacco, G., Parrini, G. A method for digitizing bubble chamber pictures 1-38443
- Boccon-Gibod, D.** Gallium arsenide field-effect transistor analytical model and equivalent circuit 1-36611
- Bochanky, L.**, Lehmann, H., Martel, P. Designing of medium-voltage (MV) plants in 110 kV transformer stations, of MV-networks and of the connections of MV-customers 1-49078
- Bocharov, V.I.**, Dordiev, A.A., Karyakin, N.I., Mal'shakov, V.N., Rubtsov, L.N. Separation of modes by Doppler filtration 1-51613
- Bocharov, V.I.**, Kozorezov, M.A., Kuprianov, Yu.V., Orlov, A.K. Linear motors for high-speed transport 1-49486
- Bochenek, W.**, Bochenek, Z., Chorzeempa, A. Attempts to rehabilitate totally deafened persons by means of transdermal electrostimulation 1-38534
- Bochenek, Z.** see Bochenek, W. 1-38534
- Bocher, K.H.** The electrical heat pump 1-31682
- Bocher, K.H.** The electrical heat pump 1-31683
- Bocher, K.H.** The electric heat pump. A course of instruction for better understanding. VII 1-44503
- Bocher, K.H.** Space heating with electricity—a viable proposition 1-53795
- Bochev, A.S.** Analysis of characteristics of random heat processes in transformer windings 1-35220
- Bochkanov, A.E.** see Basov, Yu.G. 1-31649
- Bochkarev, E.P.** see Artyushenko, V.G. 1-28421
- Bochkarev, G.N.** The personnel of the electrical industry today 1-31761
- Bochkarev, V.F.** see Plaksii, Yu.S. 1-36813
- Bochmann, G.V.** see Tompa, F.W. 1-51940
- Bochnig, W.**, Matare, J. Cost-effective communication with the electronic, microprocessor-controlled SPC telephone system EMS 1-42084
- Bochove, E.J.** see Pires, P.S.M. 1-46551
- Bock, H.** Analysis of risks in the nuclear-fuel circuit 1-49223
- Bock, R.K.**, Hansl-Kozanecka, T., Shah, T.P. Parametrization of the longitudinal development of hadronic showers in sampling calorimeters 1-52670
- Bockenhoff, G.** Information obligation of a marketing corporation and product liability 1-49915
- Bocker, P.**, Gerke, P. Towards a digital communication network 1-29346
- Bockris, J.O'M.**, Uosaki, K., Kita, H. Interfacial electron transfer as a significant step in photoelectrochemical reactions on some semiconductors 1-36543
- Bodea, M.** see Silard, A. 1-36609
- Bodechtel, J.**, Hiller, K., Munzer, U. Comparison of Seasat and Landsat data of Iceland for qualitative geological application 1-30540
- Bodenheimer, R.E.** see Brugiss, S.G. 1-34581
- Bodenkamp, J.** see Behrend, H.-J. 1-43229
- Bodhankar Vijay** see Vijay Bodhankar
- Bodisco, U.** see Hammel, J.W. 1-39720
- Bodnar, D.G.** Measurement of low cross-polarized patterns [antennas] 1-51681
- Bodrov, I.I.** Influence of lateral currents in brushes on the operation of the commutator-brush junction in multi-phase motors 1-35126
- Bodrov, V.V.**, Zaichkin, D.I. Effect of obstacle on communication between ground based aperture antennas 1-37314
- Bodschwina, H.**, Muller, H. Training in measuring techniques at technical universities—results of an inquiry 1-44623
- Bodyachevskii, S.V.**, Avvakumova, L.A., Khazanov, E.E. Development of methods and equipment for production of large crystals 1-31871
- Boe, A.** see Grimson, N. 1-33950
- Boeck, H.** Topical questions of the electricity economy 1-48941
- Boeck, H.**, Siehs, J., Vana, N. Investigation of fiber optics during and after fission product gamma irradiation 1-46518
- Boef, A.J.** Den see Den Boef, A.J.
- Boehm, R.** see Ward, C. 1-31132
- Boehm, R.F.**, Newell, Ty. Key questions in the application of salt-stratified solar ponds 1-31124
- Boehman, L.I.**, Anderson, L.A., Crisp, J.N., Pinson, J.D., Bishop, W.S. Analysis of small, non-conventional electric power systems for remote site applications 1-31153
- Boehmer, H.**, Caponi, M.Z., Edighoffer, J., Fornaca, S., Munch, J., Neil, G., Saur, B., Shih, C. An experiment on FEL efficiency enhancement with a variable wiggler 1-46663
- Boehmer, H.** see Felch, K.L. 1-51301
- Boel, R.** Martingale methods for the semi-Markov analysis of queues with blocking 1-50109
- Boell, H.-P.** Local networks: the missing link in telecommunication 1-47379
- Boell, H.-P.** Line or package transmission? The answer from IBM 1-51947
- Boenchendorf, K.** Subgradient-like heuristic methods 1-44971
- Boenick, U.** Electrotechnology in medicine. Some fundamentals and their practical application, with electro-therapy as an example 1-34630
- Boenig, H.J.**, Hassenzehl, W.V. Application of superconducting coils to reactive power control in electric power systems 1-31386
- Boer, G.A.de** see de Boer, G.A.
- Boer, K.W.** Influence of the electric field on collection efficiencies of solar cells 1-35354
- Boer, K.W.** The CdS/Cu<sub>2</sub>S solar cell. II. The junction and junction-emitter relation 1-53634
- Boer, T.de** see de Boer, T.
- Boer, W.de** see de Boer, W.
- Boer, W.Den** see Den Boer, W.
- Boerner, W.-M.** Polarization microwave holography. An extension of scalar to vector holography 1-28809
- Boerner, W.-M.** Polarization utilization in electromagnetic inverse scattering 1-28872
- Boerner, W.-M.**, Chuk-Min Ho, Bing-Yuen Foo. Use of Radon's projection theory in electromagnetic inverse scattering 1-37291
- Boerner, W.-M.**, Jordan, A.K., Kay, I.W. Introduction to the special issue on inverse methods in electromagnetics 1-41201
- Boerner, W.** Martin see Martin Boerner, W.
- Boers, J.E.** see Walko, R.J. 1-48563
- Boesch, F.** see Akiyama, J. 1-31984
- Boesch, F.T.**, Harary, F., Kabell, J.A. Graphs as models of communication network vulnerability: connectivity and persistence 1-33706
- Boesch, F.T.**, Suffel, C.L. Realizability of p-point graphs with prescribed minimum degree, maximum degree, and line connectivity 1-39581
- Boettcher, C.W., Jr.** see Andersen, B.E. 1-53538
- Boettcher, R.-D.**, Koppenwallner, G., Legge, H. Investigations of satellite aerodynamics 1-34647
- Boettcher, R.J.**, Borden, P.G., Gregory, P.E. The temperature dependence of the efficiency of an AlGaAs/GaAs solar cell operating at high concentration 1-35359
- Boettger, K.**, Schmidt, J. Operating experience with secured power supply systems comprising standby diesel driven generating sets and rectifier/charger units with batteries 1-43976
- Boev, V.M.** Determining the leakage field distribution of electrical plant in the surrounding space by experiment 1-52568
- Bofei Chen** see Chen Bofei
- Bogaart, F.** van den see van den Bogaart, F.
- Bogachenko, A.N.**, Novozhilov, O.P. Optimisation of energy states of a ferromagnetic frequency-doubler with orthogonal control 1-45258
- Bogachev, A.P.** see Grigorin-Ryabov, V.V. 1-42294
- Bogachev, A.S.** Optimum estimation of the angular coordinates of an aircraft by means of multi-channel radio direction finding [nonlinear filtering method] 1-52173
- Bogachev, B.I.**, Volkov, V.V., Zhdanov, A.A., Rakov, A.V. Objective aberration correction for hologram recording devices 1-41154
- Bogacz, B.F.** see Bara, J.J. 1-48648
- Bogado-Leite, S.** see Ozisik, M.N. 1-34891
- Bogaers, J.** see Pucs, H. 1-41392
- Bogardus, E.H.**, Hildenbrand, W.W., Levanoni, M. Electrostatic charging structure [ink jet charging] 1-46843
- Bogatov, A.P.**, Eliseev, P.G., Mikaelyan, G.T., Sverdllov, B.N. Injection GaInPAs/InP heterojunction laser with 6-7° output divergence, emitting nonwaveguide modes 1-37146
- Bogatov, A.P.**, Eliseev, P.G., Okhotnikov, O.G., Pak, G.T. Properties of planar stripe-geometry heterojunction lasers. I. Nonlinear and discontinuous current-power characteristics 1-28727
- Bogatov, A.P.** see Bazhenov, V.Yu. 1-51471
- Bogaty, J.M.**, Zolecki, R. A spark protected ion source control and monitoring system at 1.5 MV 1-43174
- Bogaty, J.M.** see Watson, J.M. 1-48559
- Bogatyrev, O.A.** see Lozovoi, B.S. 1-35541
- Bogatatz, A.** Differential output stages for pseudo-quadruphony 1-38066
- Bogdan, A.**, Downer, M., Bloembergen, N. Quantitative characteristics of pressure-induced four-wave mixing signals observed with CW laser beams 1-46794
- Bogdanov, G.P.** see Sheikin, A.A. 1-36015
- Bogdanov, T.** The communication channels in the remote control protection technique 1-30793
- Bogdanovitch, B.U.**, Kaminsky, V.I., Ostanin, V.A., Shalnov, A.V. Reliability of RF systems for super-high energy accelerators with spare generators 1-48467
- Bogelsack, M.**, Muller, H. Concept of an universal logical analyzer to be employed in laboratories 1-34328
- Bogeng Sun** see Sun Bogeng
- Bogert, D.**, Chapman, L.J., Ducar, R.J., Segler, S.L. The Tevatron control system 1-42923
- Bogert, D.** see Beechy, D. 1-42953
- Bogert, D.** see Zagel, J.R. 1-42800
- Bogert, H.Z.** Productivity—key word for the semiconductor industry 1-31854
- Boggild, H.** see Cockerill, D. 1-43233
- Boggs, S.A.**, Ford, G.L., Madge, R.C. Coupling devices for the detection of partial discharges in gas-insulated switchgear 1-49617
- Boggs, S.A.**, Kirkby, P. A resonant surge field test for SF<sub>6</sub> switchgear 1-35322
- Boggs, S.A.**, Kirkby, P. A resonant surge field test for SF<sub>6</sub> switchgear 1-39083
- Boggs, S.A.**, Cooke, C.M., Densley, R.J., Nelson, J.K., Turnquist, D., West, J.E., Zahn, M. (editor) 1980 Annual Report. Conference on Electrical Insulation and Dielectric Phenomena 1-26775
- Bogin, W.W.** see Kelly, A.J. 1-52095
- Bogk, D.**, Krahl, I. Circuit design in the design centre of INT 1-50982

- Bogoev, C., Tonkov, A., Savov, G. The clock circuit CM 202 1-40059
- Bogolubskii, V.A., Borshchevskii, S.A., Rupyshev, V.N. Magnetic tapes for semi-professional video recording 1-34111
- Bogolyubov, V.S. *see* Sobolev, S.I. 1-31674
- Bogomolov, A.A. *see* Privalov, V.V. 1-53727
- Bogomolov, A.M., Magdich, L.N. Thermal beam deflection in acoustooptic frequency shifters 1-51240
- Bogomolov, A.S. *see* Boiko, A.P. 1-38285
- Bogomolov, E.N., Verednikov, V.M., Vertoprakhov, V.V., Kip'yanov, V.P., Krivenkov, B.E., Chugui, Yu.V. Optical electronic system of measuring the dimensions of moving objects based on light wave scattering 1-42740
- Bogomolov, V.G. *see* Korolev, F.A. 1-50618
- Bogoroditskii, A.A. Improving equipment level in a production branch by means of process control based on an aggregate contents complex 1-44659
- Bogorskii, M.V. *see* Kuchuk-Yatsenko, S.I. 1-44527
- Bogoyavlenskii, M.S. *see* Shul'ts, L.A. 1-49280
- Bogues, K., Morrow, C.R., Patterson, T.N.L. An implementation of the method of Ermakov and Zolotukhin for multidimensional integration and interpolation 1-35925
- Bogusch, R.L., Guigliano, F.W., Knepp, D.L., Michelet, A.H. Frequency selective propagation effects on spread-spectrum receiver tracking 1-41239
- Boguslavskii, I.Z. *see* Demirchyan, K.S. 1-44082
- Boguslavskii, L.B., Drozhzhinov, V.I., Martirosyan, V.A. Analysis of end to end flow control in computer networks 1-51945
- Boguslavsky, I.V. *see* Vasiliev, V.V. 1-48466
- Boguslawski, M.A. *see* Hittler, D.L. 1-31630
- Boguslavskii, L.B., Gelenbe, E. Analytical models of data link control procedures in packet-switching computer network 1-29414
- Boguta, D. *see* Zientalski, M. 1-29239
- Bogy, D.B. *see* Bugdayci, N. 1-51062, 1-51063
- Bohlander, R.A. *see* Gimmedstad, G.G. 1-48216
- Bohlen, H., Greschner, J., Trumpp, H.J. Single-layer photoresist profiling 1-27906
- Bohlen, H.G. *see* Lettau, H. 1-38456
- Bohlin, T., Marlevi, A. Decentralized control of the oscillators in large and changing communication networks 1-29309
- Bohm, H., Kroebe, R. Perspectives of R&D activities in the back end fuel cycle field 1-43863
- Bohm, H. *see* Dreimann, K. 1-35410
- Bohm, J., Hillebrand, F. The DATEX service with packet-switching (DATEX-P), a new telecommunication service provided by the DPB (West German Post Office) 1-47297
- Bohm, J., Hillebrand, F.H. The Datex service with packet switching (DATEX-P). A new telecommunication service from the German Post Office 1-47434
- Bohm, J., Hohlfeld, K. Development and testing of the dose equivalent rate meter tandem for beta and photon radiation to be used in radiation protection 1-52716
- Bohm, K., Marten, P., Petermann, K., Weidel, E. Low-drift fibre gyro using a superluminescent diode 1-33034
- Bohm, W. Speed adjustment of drive motors. I 1-31503
- Bohm, W. Adjustable-speed electric drives. II 1-39140
- Bohman, J., Froberg, C.-E. Numerical investigation of Waring's problem for cubes 1-35930
- Bohmann, W., Fickel, O. The LWR nuclear power plant market in the seventies and eighties 1-30866
- Bohmann, W., Fickel, O. Prognosis and reality on the nuclear power plant sector 1-30880
- Bohme, A. *see* Kloeppel, F.W. 1-43496
- Bohme, J., Ruffer, E. Use of the R/D algorithm for planning R and D employing the example of VEB Energiekombinat Halle 1-26856
- Bohn, E.M., Iyer, R. Projecting synfuel product utilization 1-49215
- Bohn, G., Langerholc, J. Electrodynamical properties of ferromagnetic levitation systems revisited 1-39171
- Bohn, J., Lins, J. 1-inch single tube color TV camera 1-52237
- Bohn, P.P. *see* Ahamed, S.V. 1-29591
- Bohne, D. *see* Blasche, K. 1-42782, 1-48311
- Bohne, D. *see* Gaiser, H. 1-48369
- Bohne, D. *see* Knobbe, K.H. 1-48371
- Bohne, H., Irmer, K. Instrument for dosage measurement and detection of a gaseous radioactive indicator in the gas-dynamic study of underground gas reservoirs 1-53697
- Bohner, J.E., Jones, C.A., Zobniw, L.M. Module-in-place testing isolation technique using shift registers 1-31864
- Bohr, M.T. *see* Yu, K.K. 1-28134
- Bohus, M., Csopaki, Gy., Filp, A., Hinsenkamp, A., Mate, L. Computer aided synthesis of digital equipment 1-42507
- Boiciuc, D. *see* Moldoveanu, M. 1-52578
- Boicourt, G., Chidley, B., Crandall, K., Jameson, R., Stokes, R., Wangler, T. Analysis of the deuteron distribution emerging from the FMIT RFQ 1-48430
- Boicourt, G.P., Jameson, R.A. A study of the variation of maximum beam size with quadrupole gradient in the FMIT drift tube linac 1-48434
- Boidin, M. Static and dynamic control of a current-fed asynchronous machine 1-31510
- Boidin, M., Compas, M., Henry, X., Rouget, R. The static-compensator - a means for limiting the disturbances on electric networks 1-35524
- Boie, R.A., Hrisoho, A.T., Rehak, P. Signal shaping and tail cancellation for gas proportional detectors at high counting rates 1-34507
- Boie, R.A., Radeka, V., Rehak, P., Xi, D.M. Second coordinate readout in drift chambers timing of the electromagnetic wave propagating along the anode wire 1-34437
- Boije Af Gennas, C. Powerful trends of the future [telecommunication power supplies] 1-47317
- Boiko, A.P., Bogomolov, A.S. Moment of ponderomotive forces acting on an ellipsoidal heterogeneity in a coaxial line 1-38285
- Boiko, B.T., Kopach, V.R., Pozdeev, Yu.L. Photoelectric film solar energy converters 1-31446
- Boiko, M.E., Kalevich, E.S., Konnikov, S.G., Masagutova, R.V., Rud', Yu.V., Skoryukin, V.E.  $p^+ZnGe(P_xAs_{1-x})_2$ - $p$ - $ZnGeP_2$  heterojunctions 1-32691
- Boiko, V.A., Pikuz, S.A., Faenov, A.Ya. Spectral scanning of the X-ray emission of plasma microsources (review) 1-30384
- Boiko, V.O., Platonov, P.N., Pikersgil', A.A. Two-frequency method of measuring grain moisture content 1-34395
- Boilleaus, A., Joyal, A. Topology logic 1-31970
- Boillot, J., Boutheton, M., Dekkers, D., Delahaye, J.P., Frammery, B., Henny, L., Potier, J.P., Riunaud, J.P., Schou, V., Steinbach, C. Operation-oriented computer controls for the CERN PS complex 1-42937
- Boillot, J., Daems, G., Heymans, P., Overington, M. Pulse-to-pulse modulation of the beam characteristics and utilization in the CERN PS accelerator complex 1-42921
- Boillot, J. *see* Baribaud, G. 1-42939
- Boirat, R., Brouant, M., Jocteur, R. Short-haul lightwave communications at 0.8 and 1.3  $\mu$ m 1-42228
- Boire, D.C. *see* Degenford, J.E. 1-45309
- Bois, D., Senn, P. Integrated circuit technologies. II. The past and future 1-32849
- Bois, D. *see* Chantre, A. 1-40411
- Bois, D. *see* Georges, A. 1-36631
- Boisrobert, C. *see* Leblay, J. 1-33155
- Boissevain, J.G. *see* Hollas, C.L. 1-43199
- Boissy, M.C. *see* Hallais, J. 1-50779
- Boissy, M.-C. *see* Varon, J. 1-28598
- Boisvineau, C., Toutain, E., Perard, J. Switched power supplies: their modelling and their application to an impedance matching system for a photovoltaic generator 1-33147
- Boite, R., Leich, H. A new procedure for the design of high order minimum phase FIR digital or CCD filters 1-36262
- Boithias, L. Statistical distribution of received levels in tropospheric multipath propagation 1-51598
- Boitsov, V.F., Slyusarev, S.G. The ring resonator with medium inhomogenous in longitudinal and transverse directions and divided into parts by a diaphragm 1-41121
- Boitsov, V.G., Rychkov, A.A. Charge relaxation in two-layer electrets 1-46351
- Boivin, L.P. Some aspects of radiometric measurements involving Gaussian laser beams 1-48251
- Bojarczuk, N.A. Process conditions affecting hot electron trapping in DC magnetron sputtered MOS devices 1-46019
- Bojun Zhou *see* Zhou Bojun
- Bokharee, S.A. *see* Hayashi, S.A. 1-52651
- Bokhari, W. *see* Nazar, F.M. 1-33102
- Bokhari, W.H. *see* Ghauri, M.A. 1-51251
- Bokil, D., Morong, W. Thick-film transformer advances hybrid isolation amplifier 1-50704
- Bokk, O.F. Transistor stage noise factor in the large signal case 1-40564
- Bokka, S. *see* Kafjez, D. 1-45627
- Bokor, J., Freeman, R.R., Panock, R.L., White, J.C. Generation of high-brightness coherent radiation in the vacuum ultraviolet by four-wave parametric oscillation in mercury vapor 1-33277
- Bokor, J., Freeman, R.R., Panock, R.L., White, J.C. Generation of high brightness coherent radiation in the VUV via four-wave parametric oscillation in mercury vapor 1-46799
- Bokor, J. *see* White, J.C. 1-37071, 1-51388
- Bokov, S.S., Vishevskii, A.M., Gavrilov, F.V., Konyaev, B.A., Mironov, O.N., Orlova, G.S. Gravimetric device for measuring low reactive force 1-52586
- Bokshorn, Y. *see* Gallet, G. 1-49632
- Bolan, M. Nonvolatile RAM systems 1-27433
- Boland, C.R. *see* McDonald, C.F. 1-35004
- Boland, J.S. *see* Ranganath, H.S. 1-41835
- Bolanos, F. Some methods for the analysis of electroacoustic equipment 1-34131
- Bolar, D.W. *see* Nuttall, G.P. 1-52121
- Boldea, I. Static and dynamic performance of electrodynamic (repulsion) levitation systems (EDS) 1-31547
- Boldea, I. Optimal design of attraction levitation magnets including the end effect 1-31548
- Boldin, B.K. A data-signal synthesizer with a localized frequency spectrum 1-51833
- Boldorini, R. *see* Goldoni, Z. 1-49726
- Boldyrev, S.A. *see* Basov, Yu.G. 1-33205
- Bolen, N.E. JTIDS: progress and challenges 1-29326
- Boles, J. *see* Bunkenberg, J. 1-51410
- Boley, C.D. *see* Baker, C.C. 1-35016
- Bolger, G. *see* Currence, R. 1-32486
- Bolger, G. *see* Reyes, W. 1-45756
- Bolin Zhao *see* Zhao Bolin
- Bolkowski, S., Brockjcek, W. Digital simulation of three-phase steel arc furnace 1-53807
- Boll, H.J. *see* Ogawa, K. 1-52485
- Boll, R. Metallic glasses - soft-magnetic alloys of high hardness 1-32963
- Boll, R., Borek, L. Magnetic sensors of new materials 1-34269
- Boll, S.F. *see* Peterson, T.L. 1-41597
- Bolle, D.M. *see* Talisa, S.H. 1-45675
- Bolle, G. VLSI application in radio and television products 1-29887
- Bolle, G. New techniques and technology in radio industry 1-33920
- Bollen, L.J.M., van den Brekel, C.H.J., Kuiken, H.K. A mathematical model for selective epitaxial growth 1-27126
- Bollen, L.J.M. *see* Van Den Brekel, C.H.J. 1-39816
- Bollens, R. *see* Tran, M.Q. 1-36852
- Bollinger, L.M. *see* Aron, J. 1-48302
- Bollini, D., Frabetti, P.L., Heiman, G., Navarra, F.L. Identification of decay positrons in a high-intensity high-energy muon beam 1-38421
- Bollman, H., Muller, K.-P., Hock, G. Supervisory and control systems for electrical transmission and distribution networks 1-48988
- Bollobas, B. Partial sorting in one round 1-44898
- Bollobas, B., Goldsmith, D.L., Woodall, D.R. Indestructive deletions of edges from graphs 1-44920
- Bollobas, B., Thomason, A. Dense neighbourhoods and Turan's theorem 1-50210
- Bollon, F. Contributions towards the study of energy costs in the domestic sector 1-34756
- Bolognini, N., Rabal, H.J., Sicre, E.E., Garavaglia, M. Rigid body motion measurements with Fourier lensless holography 1-46803
- Bolomey, J.C. *see* Cashman, J.D. 1-51651
- Bolomey, J.-C., Lesselier, D., Pichot, C., Tabbara, W. Spectral and time domain approaches to some inverse scattering problems 1-41203
- Bolon, A.E. *see* Baker, C.C. 1-35016
- Bolon, C., Crawford, J., Deutsch, M., Quigley, G. X-ray crystallography using a spherical proportional camera 1-34463
- Bolon, Ph. *see* Bauduin, S. 1-52584
- Bolotkovskii, S.A. *see* Balashov, B.M. 1-35550
- Bolotnikov, I.M. Record-reproduction system of 35-mm film with two-channel stereophonic sound track 1-42485
- Bolotov, V.E., Zaitsev, N.I., Korablev, G.S., Nechaev, V.E., Sominskii, G.G., Tsybin, O.Yu. Ion-current method of diagnostics for high-current relativistic beams 1-38357
- Bolotov, V.V. *see* Akhmetov, V.D. 1-27790
- Bol'shakov, A.E., Gol'din, L.L. Analytic method for calculating parameters of shims for correcting fields from electromagnets 1-30291
- Bol'shakov, L.P., Naurybaev, A., Filipchenko, A.S. Structure of the top of the valence band of indium antimonide 1-32647
- Bolt, R.F., Seal, J.J. A modular multiplexed digital voice intercommunications system 1-52891
- Bolte, E. Analysis of transient phenomena of asynchronous motor with rectangular deep rotor bars taking into account the current displacement 1-44076
- Bolte, E., Oberreil, K. Three dimensional analysis of asynchronous linear motor with massive iron as secondary 1-31254
- Bolton, A.G. Microprocessor laboratory procedure to introduce digital filtering 1-35579
- Bolton, A.G. Transfer functions available with a new second order digital filter structure 1-40137
- Bolton, A.G., Davis, B.R. Evaluation of coefficient sensitivities for 2nd-order digital resonators 1-36261
- Bolton, B., Prescott, A.J., France, J.T., Wassell, H.J.H. Co-operative venture in electrical engineering education: establishing a rationale 1-39306
- Bolton, H.R. *see* Dawson, C. 1-44311
- Bolton, M.P., Coleman, J.D. Detection of QRS complexes in ECG signals and the evaluation of instantaneous heart rate 1-52780
- Bolton, M.P. *see* Smith, D.B. 1-52756

- Bolton, R.**, Westphal, L.C. Preliminary results in display and abnormality recognition of Hilbert transformed ECGs 1-34626
- Bolton, R.D.** *see* Baer, H.W. 1-34516
- Boltz, C.L.** Universal logic: more potential in the chip 1-40008
- Boltz, C.L.** Microelectronics: the opening door [microprocessor chip development] 1-50506
- Bomal, R.**, Ragot, P. Performance of a photovoltaic concentration module consisting of silicon solar cells with a facet cylindrical mirror coss 1-53643
- Bomback, J.L.** *see* Sickafus, E.N. 1-27167
- Bombaut, C.** *see* Boulrier, M. 1-35254
- Bomberberger, W.D.**, Burke, J.J. Interferometric technique for the determination of dispersion in a short length of single mode optical fiber 1-28507
- Bomberberger, W.D.**, Burke, J.J. Interferometric measurement of dispersion of a single-mode optical fibre 1-46504
- Bommas, G.** *see* Frohlich, H. 1-29429
- Bon Hoa, D.** *see* Hui Bon Hoa, D.
- Bonacorsa, L.M.** Overcoming treeing in extruded dielectric cable 1-49126
- Bonanomi, P.**, Bertsch, R. On-line identification of an equivalent reactance for stability applications 1-30710
- Bonanomi, P.**, Bertsch, R. On-line identification of an equivalent reactance for stability applications 1-34826
- Bonanos, P.** Bow-shaped toroidal magnet coils 1-37287
- Bonas, G.** The stresses on indoor small switching installations in compact transformer stations 1-45999
- Bonati, A.**, Triolo, G., Fadda, A. Special 50 MHz link across the Straits of Messina 1-42148
- Bonaventura, G.**, Casale, R., de Julio, U. Transmission quality in the evolving digital network 1-47505
- Bonaventura, G.**, Costa, B., Cottatellucci, O., Diano, B., Esposto, F., Lombardi, F. COS 3/FOSTER field trial with an optical cable in Rome 1-29728
- Bonaventura, G.** *see* Bigi, F. 1-28510
- Bonaventura, V.**, Burgassi, M., Franco, C. Interconnection of non-packet terminals through virtual circuit services 1-47415
- Bonaventura, V.**, Burgassi, M., Franco, C. Basic concepts on the layered structure for data communication protocols 1-51954
- Bonaventura, V.**, Cacopardi, S., Decina, M., Roveri, A. Service availability of communication networks 1-29445
- Bonaventura, V.**, Cataldi, F., Corsi, N. Interface between DTE and DCE for terminals on public data network 1-47452
- Bond, J.W.** Survey of concurrent-processors for signal processing applications 1-41703
- Bond, N.T.** Reference connectors for evaluation of aluminum building-wire connectability 1-32484
- Bond, R.A.**, Dzioba, S., Naguib, H.M. Temperature measurements of glass substrates during plasma etching 1-48255
- Bondar, A.G.** *see* Statyukha, G.A. 1-39630
- Bondar, S.A.** *see* Bragin, N.V. 1-32692, 1-45853
- Bondar, V.A.**, Kuznetsov, E.M. Sawtooth voltage linearity meter 1-48145
- Bondar, V.M.**, Radchenko, V.S. Saturation of the current in tellurium due to the acoustoelectric effect at 4.2K 1-36465
- Bondarenko, A.V.**, Dan'shchikov, E.V., Dymshakov, V.A., Lebedev, F.V., Ryazanov, A.V. Investigation of quasi-CW interaction between CO<sub>2</sub> laser radiation and a graphite target in air 1-51546
- Bondarenko, E.A.** *see* Pyatkin, A.A. 1-35979
- Bondarenko, V.I.**, Dinaburg, L.B., Fokeev, V.F., Kalinin, V.V., Selyankin, P.N. A cold box for the forced cooling systems of superconducting magnets 1-28367
- Bondarenko, V.I.** *see* Afonin, A.A. 1-31266
- Bondarenko, V.I.** *see* Bashtannikov, L.A. 1-38272
- Bondarenko, V.N.** *see* Kalnibolskii, Yu.M. 1-31335
- Bondarevskii, S.I.** *see* Avenirov, A.K. 1-52709
- Bondeau, R.** *see* Razezghi, M. 1-51451
- Bondrachev, G.I.**, Dimitrov, Ch.M., Trenev, P.G., Mikhova, R.N., Stanchev, P.S. Range of cable terminals for fastening to conductors without soldering 1-32480
- Bonds, M.R.**, Borton, N.H., Kuruber, J.H. Engineering and installation of submarine cables 1-52040
- Bone, E.N.** *see* Burns, C.P. 1-51672
- Boneau, D.L.** Special considerations of communications facilities serving electric power stations 1-53251
- Boned, C.** *see* Peyrelasse, J. 1-48203
- Bonello, O.J.** Technology and methods of evaluation of active telephonic apparatus 1-29491
- Bonello, O.J.** Technology and methods of evaluating active telephone sets. II 1-29492
- Bonesko, V.A.** *see* Averbakh, Y.A. 1-35057
- Bonesko, V.A.** *see* Averbakh, Y.A.A. 1-31067
- Bonetti, M.** *see* Pini, L. 1-30673
- Bonetti, R.**, Atia, A. Coupling of cylindrical dielectric resonators to microstrip lines 1-45616
- Bonetti, R.R.**, Atia, A.E. Design of cylindrical dielectric resonators in inhomogeneous media 1-27600
- Bonfig, K.W.**, Dahlmann, H. Forming an average value with a time constant change-over 1-48021
- Bonfig, K.W.**, Feith, B. The effect of electrochemical voltage interference in magnetic induction measurements of flow in open channels 1-38316
- Bonfig, K.W.**, Kramp, E. Near infrared light transmission in slightly polluted water 1-48883
- Bongianni, W.L.** Acoustic microscopy for ICF target analysis 1-48913
- Bongiovanni, G.**, Coppersmith, D., Wong, C.K. An optimum time slot assignment algorithm for an SS/TDMA system with variable number of transponders 1-37669
- Bongiovanni, G.**, Tang, D.T., Wong, C.K. A general multibeam satellite switching algorithm 1-47275
- Bongiovanni, G.**, Wong, C.K. A number representation convertor for magnetic bubble string comparators 1-28256
- Boni, R.** *see* Craxton, R.S. 1-51517
- Bonikowski, Z.** Current ratings of mineral-insulated cables 1-53093
- Bonin, E.** *see* von Bonin, E.
- Bonin, J.**, Stolarski, G., Wroblewski, Wl. Static thyristor control unit for wound-rotor induction motor speed control 1-49449
- Boning, B.** Improvement of automotive fuel economy by systematic, computer-aided engine control optimization 1-38605
- Boning, B.**, Leonhard, W. Propulsion control of a track-powered linear synchronous motor for a magnetically levitated vehicle on the basis of power measurement in the inverter station 1-49507
- Bonino, F.**, Lazzari, M., Vincent, C.A. A study of electrointercalation and diffusion of silver in tantalum disulphide using solid state cells 1-44351
- Boniszewski, T.**, Jarrett, R.E. Quality principles of the manufacturing process of flux-covered welding electrodes 1-35659
- Bonnaud, O.**, Chante, J.P. Local bipolar-transistor gain measurement for VLSI devices 1-46285
- Bonneau, R.J.**, Evett, R.C., Young, M.J. A distributed fault-tolerant signal processor (FTSP) 1-42574
- Bonner, B.E.** *see* Hollas, C.L. 1-43199
- Bonner, B.E.** *see* Ransome, R.D. 1-43200
- Bonner, R.E.**, Coker, C.W., Jr. Noise-reduction system for ambulatory tape-recorded EKG signals 1-30450
- Bonner, R.E.**, Coker, C.W., Jr., Francis, D.B., Konnerth, K.L., Nanek, D. Electrocardiogram recording with preprocessed data 1-30449
- Bonner, W.A.** InP synthesis and LEC growth of twin-free crystals 1-39754
- Bonner, W.A.** *see* Capasso, F. 1-50299
- Bonner, W.A.** *see* Cheng, K.Y. 1-35946
- Bonner, W.A.** *see* Keramidas, V.G. 1-50790
- Bonner, W.A.** *see* Kim, O.K. 1-51265
- Bonner, W.A.** *see* Mahajan, S. 1-32055
- Bonner, W.A.** *see* Singh, S. 1-27940
- Bonner, W.A.** *see* Temkin, H. 1-33126
- Bonnerot, G.**, Raulin, J., Bellanger, M. Performance of a 32 kbit/s ADPCM coder for digital long-haul telephone transmission 1-41905
- Bonnet, G.** Electric field arising from a steady current passing through a superconductor 1-33303
- Bonnet, J.**, Fournier, G., Pigache, D. KrF laser pumping by electron beam discharge 1-46694
- Bonnet, J.** *see* Soonckindt, L. 1-32654
- Bonnet, M.**, Duchemin, J.P., Huber, A.M., Morillot, G. Low pressure organometallic growth of chromium-doped GaAs buffer layers 1-27135
- Bonnet, M.** *see* Beuchet, G. 1-50295
- Bonnet, M.** *see* Linh, N.T. 1-27827
- Bonnet, M.** *see* Wallis, R.H. 1-50788
- Bonney, W.** Reducing connector costs 1-27670
- Bonnier, J.J.** *see* Penavaire, L. 1-36774
- Bonokov, V.K.** Hydrometeorological conditions of formation and breakup of multilayer ice on the slopes of the reservoir of the Kiev hydroelectric power plant 1-31082
- Bonse, U.** X-ray sources 1-34550
- Bont, R.** *see* de Bont, R.
- Bonte, L.**, Baert, D. Current feedback, two filters stabilize switcher supplies 1-50405
- Bontemps, A.** *see* Campisano, S.U. 1-32604
- Bonyhard, P.I.** *see* Nelson, T.J. 1-28257
- Booker, G.R.** *see* Abrahams, M.S. 1-27890
- Bookstein, A.** A comparison of two systems of weighted Boolean retrieval 1-50194
- Boom, R.W.** *see* Shintomi, T. 1-28374
- Boomers, J.L.** An AC measuring amplifier with accompanying synchronous detector features an infinite common-mode signal rejection 1-45282
- Boon, D.** The choice of explosion proof instruments 1-35616
- Boon, D.** Literature concerning explosion protected plant instrumentation 1-35619
- Boon, J.E.** *see* Ross, I.N. 1-51414
- Boonekamp, P.G.M.** *see* van Oostvoorn, F. 1-26851
- Boorstyn, R.R.**, Livne, A. A technique for adaptive routing in networks 1-33806
- Booss, B.**, Rempel, S. Cutting and pasting of elliptic operators 1-44789
- Booth, D.C.** *see* Hey, P. 1-45898
- Booth, K.S.** *see* Colbourn, C.J. 1-35820
- Booth, L.E.** Power plant econometric reliability: on redundant tripping logic 1-43529
- Booth, L.E.** Power plant econometric reliability: on redundant tripping logic 1-49265
- Booth, N.J.** Variable time offset 1-45408
- Booth, R.R.**, Coulter, T.E. A review of rural electrification policies in Western Australia 1-43623
- Booth, R.V.H.** *see* White, M.H. 1-40720
- Boothroyd, R.G.** An Ecole Polytechnique for South East Asia? 1-31781
- Bootsma, G.A.**, De Rooij, N.F., Van Silfhout, A. The solid/liquid interface 1-46028
- Bopp, K.** Compensation phenomena of the d.c. traction motor 1-35180
- Bopp, L.A.** *see* Schmidt, G.A. 1-32450
- Boppert, H.**, Wachter, P. Tm<sub>1-2</sub>Eu<sub>2</sub>Se: new narrow gap magnetic semiconductors 1-46380
- Boquillon, J.P.**, Bazemlal, O. Flash-pumped dye laser with ring cavity and good spatial quality 1-41067
- Bor, Zs.** *see* Racz, B. 1-28753
- Bor-Yeu Tsaur, Fan, J.C.C.**, Sheng, T.T. Transmission electron microscopy and ion-channeling studies of heteroepitaxial Ge<sub>1-x</sub>Si<sub>x</sub> films produced by transient heating 1-36492
- Bora, D.**, John, P.I. Single particle trajectories in a nonadiabatic cusp magnetic field configuration 1-37266
- Borak, G.** *see* Stensland, L. 1-40935
- Borangui, T.**, Iliescu, S.S. Hierarchical programmable automata for power system control 1-48936
- Boratynski, B.** *see* Barycka, I. 1-27909
- Borchke, U.V.** *see* Henning, W. 1-30109
- Borcke, U.** *see* Von see Von Borcke, U.
- Bordeianu, N.** *see* Nitu, V.I. 1-30657
- Borden, J.M.** Bounds and constructions of error correcting/detecting codes on the Z channel 1-33539
- Borden, P.G.**, Saxena, R.R., Gregory, P.E., Burleigh Cooper, C., III, Ludowise, M., Maloney, T.J., Bell, R.L. Solar cell development at Varian 1-35385
- Borden, P.G.** *see* Boettcher, R.J. 1-35359
- Borden, T.J.**, Winslow, J.W. Packaging techniques for low-altitude Venus balloon beacon 1-36348
- Bordewijk, P.** *see* Levij, M. 1-38275
- Bordi, S.** *see* Papeschi, G. 1-30456
- Bordin, G.**, Cecchi, G.C., Fratucllo, G. Correlation effects and magnetization processes in hard-drawn iron-nickel alloys 1-28226
- Bordina, N.M.**, Golovner, T.B., Zhidkova, E.V., Zaitseva, A.K., Kreinin, L.M., Letin, V.A., Penkina, N.V. Optical characteristics of highly efficient silicon photovoltaic cells 1-28580
- Bordonaro, D.T.** *see* Garnache, R.R. 1-32763
- Bordoni, F.**, Maggi, G., Ottaviano, A., Pallottino, G.V. Very low noise cooled audiofrequency preamplifier for gravitational research 1-45305
- Bordure, G.**, Linares, C., Bougnot, J., Perotin, M., Luquet, H., Belgacem, S., Savelli, M. Cu<sub>2</sub>S-CdS sprayed solar cells 1-53681
- Borecki, J.**, Pytel, J. New overload protection for HV motors 1-53373
- Boreggi, C.**, Burgassi, M. Traffic characteristics and application requirements for data transmission 1-51981
- Boreggi, C.**, Burgassi, M., Cataldi, M. DTE-DCE interface for start-stop mode terminals in the national packet data network 1-47453
- Boreham, N.G.** Phase meter for audio frequencies 1-42641
- Borek, L.** *see* Boll, R. 1-34269
- Borel, J.** *see* Barbier, D. 1-46299
- Borelli, J.E.** *see* Abrokwh, J.K. 1-50288
- Borelli, W.C.**, Rashvand, H.F., Farrell, P.G. Convolutional codes for multi-level modems 1-33483
- Borenus, J.** On loudspeaker response in sound control rooms 1-34154
- Borenstein, S.R.**, Palmer, R.B., Strand, R.C. A fine grained scintillating optical fiber hodoscope for use at ISABELLE 1-34435
- Borenstein, S.R.**, Palmer, R.B., Strand, R.C. Optical fibers and avalanche photodiodes for scintillator counters 1-43227
- Borgeaud, P.** Research and development in a changed environment? 1-35595
- Borgelt, D.**, Kiebusch, A. The high power amplifier LV 1200—freshly designed 1-39954
- Borgheresi, E.**, Giuli, D., Pirri, F., Oppimati, G., Poli, C. A multimicroprocessor system for ATRCBS monopulse data processing 1-52928
- Borgini, F.** *see* Noto, R. 1-50510
- Borgini, F.** *see* Suskind, B.A. 1-40078
- Borgioli, J.** *see* Nebenzahl, L. 1-33321
- Borgna, F.** Magnetic bubbles, an emergent technology in the EDP field 1-28254
- Borgne, Y.** *see* Le Borgne, Y.

- Borho, W., MacPherson, R. Representations of Weyl groups and intersection homology of nilpotent varieties 1-44910
- Boriotti, J.R. *see* Saha, R.K. 1-27055
- Boris, M. Magnetic bubble memories 1-40841
- Boris, Ya.V. *see* Lakh, V.I. 1-50635
- Borisenko, V.E., Konstantinova, S.A., Pak, G.T., Ryabtsev, G.I., Yashumov, I.V. Ion-plasma treatment of mirrors of an injection-laser resonator 1-28728
- Borisov, A.R. *see* Didenko, A.N. 1-46664
- Borisov, B.N., Krizhilin, Ya.I., Nashchekin, S.A., Orlov, V.K., Shklyarik, S.V. Wavefront inversion in induced Mandel'shtam-Brillouin scattering in a glass without failure 1-33281
- Borisov, B.P. *see* Gorislavets, Yu.M. 1-49804
- Borisov, E.V. An algorithm for processing radio-measurement data [of uniformly-moving objects] 1-38296
- Borisov, M.F., Znamenskii, V.B., Uvarova, T.P. Effect of easily ionizable substances on the density of plasma generated by ultraviolet radiation in the medium of an atmospheric-pressure CO<sub>2</sub> laser 1-28649
- Borisov, N.D. A wave approach to scattering of short radio waves on irregular ionospheric inhomogeneities 1-51612
- Borisov, N.N. *see* Mel'nikov, Yu.M. 1-37379
- Borisov, S.N., Gorodetskii, S.M., Iordanishvili, E.K., Kagan, M.B., Kasymakhu-nova, A.M., Lyubashevskaya, T.L., Dorokhina, T.P. Investigation of the energy characteristics of photothermopiles 1-49667
- Borisov, V.A. *see* Polyakov, V.E. 1-43768
- Borisov, V.M., Mikhailov, I.E. Optimisation of the hypersonic sections of three dimensional nozzles 1-45007
- Borisov, V.M. *see* Baranov, V.Yu. 1-51377
- Borisov, V.N. *see* Fedorin, A.K. 1-30787
- Borjesson, P.O. *see* Sornmo, L. 1-48726
- Bork, H.G. 765 kV transformers for Brazil 1-39017
- Borken, R.J., Solstad, R.G. New methodology for infrared focal plane configuration analysis 1-47977
- Borkina, G.Yu. *see* Andreev, A.Ts. 1-28478
- Borkova, V.N., Zubov, V.A., Kraiskii, A.V. Holographic spectroscopy with a transient reference wave 1-28817
- Borkowski, K.M. Theory of the interferometer in radio astronomy 1-37986
- Borkowski, K.M. An analysis of the nonlinear gain of a switched receiver 1-47755
- Borky, J.M. *see* Raeth, P.G. 1-45431
- Borland, W.G. A two-element three-band beam [radio antennas] 1-29015
- Borlik, E. *see* Bovzhik, Ya. 1-48622
- Borman, W.M., Dorian, C., Johnson, R., Miller, J.E. Mobile services—the impact of the 1979 World Administrative Radio Conference 1-52199
- Bormann, H., Buxmann, J. Combined power station processes with closed gas and steam turbine 1-53254
- Borneman, J.D. Quick wavesoldering troubleshooting 1-50681
- Borner, B. Non-effects of the fourth cartel law amendment on the electricity supply industry 1-52995
- Borner, W. Electric floor heating 1-44505
- Borodachev, A.S. Scientific and technical progress in electrothermy 1-31662
- Borodachev, A.S., Leikand, M.S. Modern electro-thermal equipment, an important source for technical progress in the electrical industry 1-31663
- Borodachev, A.S., Subachev, V.G., Khotin, V.A., Okorokov, G.N., Pozdeev, N.P., Tulin, N.A., Fidler, H., Muller, F., Sarf, G. Plasma steel smelting furnaces with ceramic crucibles, development and operating experience 1-31712
- Borodai, P.I., Karasev, V.V., Shusherv, Yu.A. Investigation of magnetic-reversal processes in saturable reactors with magnetic circuits of type 50NP alloy 1-35229
- Borodenko, V.A. Starting unit for automatic switching-in reserves at substations with electric motors 1-49601
- Borodenko, V.A., Polyakov, V.E. The principles of the operation of starters for automatic standby equipment 1-49033
- Borodich, S.V. Some methods of increasing the efficiency of radio-transmission systems 1-47532
- Borodulja, W.A., Kosmowski, I., Lilienblum, W., Chodan, I.W., Pyljow, S.A. Measurements on a liquid-gas stream in an inclined channel 1-42772
- Borosen, D.M. *see* Oates, D.E. 1-36778
- Borovikov, V.A., Narbut, V.P. Radiation pattern of a slotted-waveguide antenna with wedges 1-47029
- Borovkov, K.A. Stability theorems and estimates of the rate of convergence of the components of factorizations for walks defined on Markov chains 1-44888
- Borovoi, B.V., Lekakh, M.N., Naletskii, M.M. Automatic voltage control with negative feedback 1-43509
- Borovskikh, L.P., Bulychev, V.V., Slivka, R.A. Determination of the equivalent-circuit parameters of electrochemical systems by the impedance technique 1-27236
- Borowski, D.T. *see* Platt, D.L. 1-30143
- Borrego, J.M. *see* Sun, H.J. 1-45656
- Borrell, J. How long the wait until we can call it television 1-33781
- Borrell, J. Computer graphics; the next step in online retrieval 1-47368
- Borrello, S.R. *see* Beck, J.D. 1-28045
- Borrill, P.L. Further developments on backplane standardisation 1-26900
- Borrill, P.L. Microprocessor bus structures and standards 1-37734
- Borris, B. *see* Beetz, E. 1-49247
- Borroni, M., Autronica, M. Status of automotive electronics in Italy 1-31618
- Borsenko, A.N. *see* Benin, V.L. 1-27375
- Borsetto, M. *see* Camponuovo, G.F. 1-53290
- Borschetskii, S.A. *see* Bogolubskii, V.A. 1-34111
- Borsik, J., Dobos, J. On a product of metric spaces 1-31920
- Borsky, V. *see* Vavrejnova, M. 1-53802
- Borst, W. *see* Zechnal, M. 1-39194
- Borstel, E. *von see* von Borstel, E.
- Bortolin, J., Uccello, R. A digital reflectometer. Development of an instrument for locating transmission line faults using digital techniques 1-30831
- Borton, N.H. *see* Bonds, M.R. 1-52040
- Bortsov, V.L. *see* Khamidullin, V.K. 1-42775
- Borukaev, Z.Kh. On one numerical method of electromagnetic field calculation in the range of margin packets of turbo-generator stator core 1-31173
- Borukayev, T.B., Timonov, V.V., Timonova, E.M. Filtering properties of an oscillator that is being synchronized under the action of correlated noises 1-32225
- Borusk, G.M., Kub, F., Mack, I.A., Fogarty, J. Detector pre-processor for use with an acousto-optic spectrum analyzer [custom LSI chip system] 1-42586
- Boruta, E. *see* Gruca, R. 1-30274
- Borwein, J.M. The limiting Lagrangian as a consequence of Helly's theorem 1-39622
- Borys, S.F. *see* Street, M.A. 1-42180
- Borzacchini, L. Lattice constants matricial equations for conversion matrices 1-44770
- Bos, A., Raimond, E., van Someren Greve, H.W. A digital spectrometer for the Westerbork Synthesis Radio Telescope 1-42365
- Bos, F. Versatile high-power single-longitudinal-mode pulsed dye laser 1-37089
- Bos, M. Microprocessors in laboratory automation 1-34195
- Bos, P.J. *see* Hubbard, R.L. 1-42690
- Bosack, D. *see* Latos, T. 1-31339
- Bosamykin, V.S., Karelin, V.I., Pavlovskii, A.I., Repin, P.B. Microsecond X-ray pulses emitted during the phase of spark channel formation 1-32534
- Bosan, Dj.A., Pejovic, M.M. Influence of cathode material work function on secondary emission of electrons induced by metastable states in gases 1-36424
- Bosan, Dj.A. *see* Pejovic, M.M. 1-27771
- Bosc, D. Microhardness for evaluation of the environmental stress cracking resistance (ESCR) of low-density polyethylene (LDPE) 1-39823
- Bosca, G., David, J., Allay, L., Darmon, J.M., Victor, Y. Piezoresistive manganin and ytterbium deposited by cathode sputtering 1-46360
- Boscardin, R. *see* Hust, J.G. 1-40750
- Bosch, M., Planche, G., Lebreton, A. The contribution of live line working to the maintenance of medium voltage overhead lines in France 1-49143
- Bosch, M.A., Coldren, L.A., Good, E. Reactive ion beam etching of InP with Cl<sub>2</sub> 1-32755
- Bosch, M.A. *see* Lin, C. 1-28767
- Bosch, M.A. *see* Stolen, R.H. 1-37213
- Bosch, R. *see* Stothart, P. 1-42435
- Boscoianu, D., Sfichi, R., Cernusca, C. Evolutionary phenomena which lead to the deterioration of some electrical equipments during (their) utilisation 1-49602
- Boscolo, I., Stagno, V. Study of a transverse optical klystron experiment in Adone (TOKA) 1-48309
- Bose, A., Waight, J.G. System control performance. Vol. II: Capacity allocation user's manual 1-53022
- Bose, A., Waight, J.G. System control performance. Vol. III: Capacity allocation programmer's manual 1-53023
- Bose, A., Waight, J.G. System control performance. Vol. I: Technical manual 1-53027
- Bose, A., Waight, J.G. System control performance. Vol. IV: Capacity allocation program listings 1-53030
- Bose, A. *see* Waight, J.G. 1-43612
- Bose, B. On the construction of systematic single error correcting and multiple unidirectional error detecting (SEC-MUED) codes 1-33540
- Bose, D., Eisenrith, K.-H., Aulich, H. Mechanical strength of thick-core alkali lead silicate optical fibers for non-telephone applications 1-51204
- Bose, D.N., Basu, S. MOCVD—a new method of epitaxial growth of III-V compounds 1-50280
- Bose, D.N., De Purkayastha, S. Dielectric and photoconducting properties of Ga<sub>2</sub>Te<sub>3</sub> and In<sub>2</sub>Te<sub>3</sub> crystals 1-45934
- Bose, N.K. *see* Prabhu, K.A. 1-51841
- Bose, R.C. Combinatorial problems of experimental design. II. factorial designs 1-27008
- Bose, S. *see* Rappaport, S.S. 1-29459
- Bose, S.K. *see* Paul, S.N. 1-30366
- Bosenberg, W.A. MOS threshold voltage monitoring 1-28116
- Bosisio, L. *see* Amendolia, S.R. 1-43238
- Bosisio, R.G., Champagne, R. Microprocessor control of a 500- to 1000-MHz microwave sweep oscillator 1-32221
- Bosisio, R.G., Klvana, D., Khosraviani, P., Damlaj, B. Oil desulfurization using microwave plasmas 1-49845
- Bosma, J., Levadou, F. Ultraviolet irradiation effects on candidate Spacelab thermal control coatings 1-34656
- Bosmans, L., Schoonjans, H. New options for distribution transformers 1-49542
- Boss, P. *see* Gandillon, C. 1-31271
- Bossanyi, E.A. Wind turbines in a turbulent wind: energy output and the frequency of shut-downs 1-49370
- Bossanyi, E.A., Whittle, G.E., Lipman, N.H., Musgrove, P.J. Wind turbine response and system integration 1-53333
- Bossard, P.R. *see* Mucha, J.A. 1-51550
- Bossart, R., Bossier, J., Burnod, L., d'Amico, E., Ferioli, G., Mann, J., Meot, F., Coisson, R. Proton beam profile monitor using synchrotron light 1-48473
- Bossart, R., Chapman-Hatchett, A., d'Amico, E., Papis, J.P., Rossi, H., Rossi, V. Beam position measurement for proton-antiproton operation in the SPOS 1-48476
- Bossavit, A. Modelling a transformer: how to use finite elements 1-31272
- Bossavit, A., Planchard, J. Simplicity of the eigenvalue 1 for integral operators with an irreducible stochastic positive kernel 1-27086
- Bossen, D.C., Chen, C.L., Sager, G.S., Sutton, A.J. Separation of error correcting code errors and addressing errors 1-33488
- Bosser, J. *see* Bossart, R. 1-48473
- Bosshard, W.R. *see* Johnson, A. 1-34763
- Bosshard, W.R. *see* Johnson, W.A. 1-30625
- Bossi, A. Larger substation lines at highest voltage 1-49206
- Bossler, J.D., Goad, C.C., Bender, P.L. Using the Global Positioning System (GPS) for geodetic positioning 1-38565
- Bost, E. Servomechanism motors. From high torque motors to low inertia motors 1-49514
- Bostanjoglo, O., Rosin, T. Resonance oscillations of Bloch lines in Permalloy films 1-51081
- Bostelmann, M. *see* Tsironis, C. 1-27625
- Bostian, C.W., Pratt, T., Tsolakis, A. Ice depolarization at 11.7 and 19 GHz on slant paths in Virginia, USA 1-33340
- Boston, J.R. Spectra of auditory brainstem responses and spontaneous EEG 1-30441
- Bostrom, A., Olsson, P. Transmission and reflection of electromagnetic waves by an obstacle inside a waveguide 1-41276
- Bostrom, D.E., Castaneda, J.A., Hodges, R.E., Fujii, P. Large X-band electronically scanned array 1-52911
- Bostyn, R., Martin, J.L., Hirel, J.C. Ambulatory microprocessor system for physiological parameters acquisition 1-43292
- Boswell, R. *see* Pomathod, L. 1-38404
- Bosworth, E.L. *see* Vaughn, V.V. 1-52474
- Boter, J., Looy, I.M. Background of the standard [electrical installation safety] 1-26869
- Botez, C., Ioachim, D. Elements for the calculation of electric installations for inside illumination by the multiple reflections method 1-39208
- Botez, D., Butler, J.K., Connolly, J.C. Mode control in high-power CDH-LOC diode lasers: the W-shaped lateral waveguide 1-37155
- Botez, D., Connolly, J.C. Single-mode positive-index guided CW constricted double-heterojunction large-optical-cavity AlGaAs lasers with low threshold-current temperature sensitivity 1-37100
- Botez, D., Connolly, J.C., Gilbert, D.B. High-temperature CW and pulsed operation in constricted double-heterojunction AlGaAs diode lasers 1-51435
- Both, J. SAL contra tantalum 1-32423
- Botha, D.G., Smead, F.W. The Agile transversal filter—a flexible building block for ICNIA 1-52900
- Botha, J.F. *see* Schoombie, S.W. 1-35873
- Botman, J.I.M., Hagedoorn, H.L. Median plane effects in the Eindhoven AVF cyclotron 1-42798
- Botner, O. New ideas in calorimetry 1-43223

- Botner, O.**, Dagan, S., Fabjan, C.W., Gordon, H., Jeffreys, P., Kessler, G., Molzon, W., Oren, Y., Rosselet, L., Schindler, R., Smith, S.D., v.d.Lans, J., Wang, Ch.J., Willis, W.J., Witzling, W., Woody, C. The AFS hadron calorimeter at the CERN ISR 1-34444
- Botner, O.** see Cockerill, D. 1-43233
- Botond, C.** Possibilities of heat delivery from high capacity condensing steam turbines 1-31002
- Botos, C.** see Arzbacher, R. 1-52792
- Botsman, P.D.** see Emel'yanov, V.V. 1-36302
- Botstein, C.** see Paglione, R. 1-34637
- Botstein, C.** see Paglione, R.W. 1-48749
- Bott, A.J.**, Routhorn, G.A. Telex—spreading the word [electronic mail] 1-41910
- Bottcher, B.** see Wilck, M. 1-49152
- Bottcher, U.** Jointing of optical fibre cables 1-29734
- Bottger, R.** see Egelhof, P. 1-43163
- Bottiglioni, F.**, Bussac, J.P. Energetic breakdowns and voltage hold off between copper electrodes in vacuum 1-34414
- Bottoms, W.R.** see Downey, D.F. 1-27958
- Bottrell, G.**, Sullivan, L.J. Development of a 4 kW wind turbine generator 1-31150
- Bouchard, C.**, Carrette, J.D. Deadtime effect in a straight channel electron multiplier 1-50732
- Bouchard, C.**, Carrette, J.-D. Oscillating feedback currents in a cylindrical electron multiplier 1-36443
- Boucher, D.**, Lagier, M., Maerfeld, C. Computation of the vibrational modes for piezoelectric array transducers using a mixed finite element-perturbation method 1-52963
- Boucher, R.E.**, Hassab, J.C. Analysis of discrete implementation of generalized cross correlator 1-41673
- Boucher, R.E.** see Hassab, J.C. 1-41665
- Bouchey, S.H.** see Kafka, R.J. 1-49013
- Bouchez, J.** see Aleksan, R. 1-48582
- Bouchez, J.** see Behrend, H.-J. 1-43229
- Bouchez, J.B.** see Saulnier, J.B. 1-34645
- Bouchez, J.P.**, Howle, D. The Orbital Test Satellite OTS-2—two years of orbital thermal-control experience 1-52831
- Bouchitte, G.** Numerical approximation of the minimisation of a convex functional of the calculus of variations in Sobolev-Orlicz type spaces 1-39609
- Bouchoms, J.M.**, Denoel, H., Kirschvink, M., Mahy, P. Developments in high voltage potential measuring transformers 1-39016
- Bouchon, B.** see Aggarwal, N.L. 1-37395
- Bouchy, F.** The reduction of the maintenance costs of equipment 1-49960
- Boud, J.** Lighting techniques 1-44474
- Boudon, G.M.**, Johnson, R.E., Knepper, L.E. Selectable up-level off-chip driver circuit 1-40048
- Boudon, G.M.**, Johnson, R.E., Knepper, L.E., Park, S.J. Universal ground-up technology interface receiver 1-36187
- Boudon, G.M.**, Johnson, R.E., Knepper, L.E., Parker, C.P. Current mirror transition-rate limited driver 1-41961
- Boudreaux, N.A.** see Watkins, J.W. 1-42443
- Boudrie, R.L.** see Atencio, L.G. 1-52677
- Boudriga, N.**, Zarati, S. Quadruple points of codimension one immersions of three dimensional manifolds 1-39565
- Boudry, M.R.** see Stagg, J.P. 1-36531
- Bougnot, J.** see Bordure, G. 1-53681
- Bougnot, J.** see Savelli, M. 1-39127
- Bouilou, L.L.** see Spitsyn, B.V. 1-39773
- Bouldin, D.P.** The measurement of alpha particle emissions from semiconductor memory materials 1-50981
- Bouley, A.C.**, Jensen, J.D., Black, G.M., Foti, S. Multi-color infrared detectors 1-48100
- Bouley, J.C.**, Chaminant, G., Charil, J., Devoldere, P., Gilleron, M. A Schottky-barrier-delineated stripe structure for a GaInAsP-InP CW laser 1-41080
- Boulrier, M.**, Bombaut, C., Seguir, G. How to reduce the drawbacks of three-phase AC regulators [power converters] 1-35254
- Boulnois, J.L.** see Aubourg, P. 1-51522
- Boulou, M.**, Schiller, C. Defect observations in semiconductors using pulsed scanning electron microscopy [in cathodoluminescence mode] 1-40373
- Boudy, A.W.**, Poulsen, A.W., Brown, G.C., Conroy, A.P., Neumann, P.J. Classification, a tool for modern management—case study 1-49930
- Bouqueneau, C.R.**, Gregoire, C.A. The lightning performance of a suboptimal double-circuit tower for high-voltage transmission lines 1-38789
- Bourbin, Y.** see Arditty, H.J. 1-36957
- Bourcy, N.E.**, Carroll, W.J. Utility responds to time of use metering mandate 1-49194
- Bourdinaud, M.**, Thevenin, J.C. Low cost scintillators and wave length shifters 1-43221
- Bourgain, J.** Absolutely summing norms and subspaces 1-44911
- Bourgeois, F.** see Beer, A. 1-29996
- Bourgeois, J.-P.**, Horn, F., Scarzello, Y. The configurator of urban networks: CRESUS 1-47323
- Bourgin, R.D.**, Cogburn, R. On determining absorption probabilities for Markov chains in random environments 1-44836
- Bourke, M.D.** Measurement of core diameter variations with OTDR [in optical fibres] 1-40939
- Bourkland, K.**, Curtis, C., Lee, G., Tool, G. Improved FNAL linac beam choppers 1-48374
- Bourne, J.**, Perry, J., Workman, R. The DMS-100 distributed control system: fault tolerance, digital-style [electronic switching systems] 1-42071
- Bourne, J.R.** see Janse, B.H. 1-43366
- Bourne, J.R.** see Jansen, B.H. 1-52775
- Bourque, E.J.** see Phi, D.T. 1-43988
- Bouscaren, R.** De-dusting of a furnace used for incineration of electric cables 1-53783
- Bousley, R.F.** Reusable avionics executive software 1-52876
- Bousquet, J.C.** Time division multiple access system with demand assignment for intra-company network using the satellite TELECOM 1-47601
- Bousquet, J.C.** see Bic, J.C. 1-47628
- Boussard, D.**, Dome, G., Graziani, C. The influence of RF noise on the lifetime of bunched proton beams 1-48496
- Boussard, D.**, Evans, L.R., Gareyte, J., Graziani, C., Linnekar, T., Scandale, W., Thomas, D. Beam dynamics studies on the stored proton beam in the SPS 1-48497
- Boussin, J.L.**, Cereja, F., Laprie, J.C., Medhaffer, K. Reliability and safety evaluation by Markov processes of the control system of an extra high voltage substation 1-31382
- Boute, R.R.** Towards system specification languages 1-42098
- Boute, R.T.**, De Man, J., Peeters, H. Secure on-the-fly software modification 1-42100
- Bouten, H.** see Meyr, H. 1-29330
- Bouter, J.A.** de Leeuw den see de Leeuw den Bouter, J.A.
- Boutheon, M.**, Cappi, R., Haseroth, H., Hill, C.E., Koutchouk, J.P. Acceleration and stacking of  $\alpha$  particles in the CERN linac PS and ISR 1-42890
- Boutheon, M.** see Baribaud, G. 1-42939
- Boutheon, M.** see Boillot, J. 1-42937
- Bouthillette, L.O.** see Payne, R. 1-36895
- Boutin, N.**, Morissette, S. Do all MSK-type signaling waveforms have wider spectra than those for PSK? 1-47105
- Bouvard, M.** Interference and transients on the mains and their cure 1-28941
- Bouwknegt, K.** see Bruinsma, P.J.T. 1-42969
- Bouwknegt, K.** see Lissner, J. 1-43087
- Bouwman, H.**, Gustin, P. Philips P-FAX 2000 facsimile transceivers 1-47357
- Bovina, V.Z.**, Grichina, Yu.I., Krutoi, V.P. Application of an asymmetrically-controlled rectifier circuit in frequency converters with a voltage inverter 1-49574
- Boving, J.**, Hebert, D. KIT 36 station, a 'prefabricated' solution for public and industrial supply in 36 kV 1-53055
- Bovkun, V.P.**, Zhuk, I.N. Scintillation spectra of ionospheric inhomogeneities and interplanetary plasma and possibility of their separation in decametric wavelength range 1-51601
- Bovo, A.** see Bartolommei, B. 1-29558
- Bovzhik, Ya.**, Borlik, E., Gadamski, A., Lyatek, S., Suichinska, M., Topa, E., Khvashchevski, S. Identification of the metrological parameters of the rhodium self-powered neutron detectors 1-48622
- Bowdell, K.** Interface data transmission 1-51971
- Bowden, K.G.** An introduction to homological systems theory: topological analysis of invariant system zeros 1-39592
- Bowden, M.J.** Forefront of research on resists 1-46214
- Bowden, M.J.** The physics and chemistry of the lithographic process 1-50858
- Bowden, M.J.**, Thompson, L.F., Fahrenholtz, S.R., Doerries, E.M. A sensitive novolac-based positive electron resist 1-45799
- Bowden, P.A.** A flexible real-time microprogrammed filterbank for speech research 1-41623
- Bowdle, R.R.** Regulating switching power supply 1-32174
- Bowen, H.K.** see Mason, T.O. 1-40417
- Bowen, H.K.** see Yoshimura, M. 1-51037
- Bowen, L.J.** see Gururaja, T.R. 1-36735
- Bowen, R.** Triple A-B buffer for dual digital TV displays 1-36202
- Bowen, R.** Energy from the earth: the geothermal option 1-49214
- Bowen, R.R.** The Canadian approach to the development of communications by satellite in the 12-GHz band 1-52205
- Bower, P.G.** see Beaumont, S.P. 1-36544
- Bowers, G.H.**, Goethe, P.K. Importance of efficiency and temperature rise on transformer selection 1-35214
- Bowers, J.E.**, Khuri-Yakub, B.T., Kino, G.S. Monolithic Sezawa wave storage correlators and convolvers 1-46372
- Bowers, J.E.**, Kino, G.S. Adaptive noise cancellation with a SAW storage correlator 1-41631
- Bowers, J.E.**, Kino, G.S., Behar, D., Olaisen, H. Adaptive deconvolution using a SAW storage correlator 1-37489
- Bowers, J.E.** see Chou, C.H. 1-36807
- Bowers, P.** AC memory-type plasma displays 1-48166
- Bowers, P.G.** see Billowes, C.A. 1-29834
- Bowers, W.D.** see Cummings, P.G. 1-44099
- Bowes, C.J.** Slide projector pulser 1-45574
- Bowkley, I.G.** see Wharf, J.H. 1-48827
- Bowler, B.C.** see Winkelman, J.R. 1-34770
- Bowles, J.P.** Multiterminal HVDC transmission systems incorporating diode rectifier stations 1-38731
- Bowles, J.P.** Multiterminal HVDC transmission systems incorporating diode rectifier stations 1-43642
- Bowles, P.F.** Relay switching 1-40277
- Bowles, T.J.** see Gagliardi, C.A. 1-43167
- Bowman, B.**, Salomon, P.J. Present status, trends and development of the electric arc furnace in the iron and steel industry 1-31703
- Bowman, G.F.** Network planning—an economic driven approach 1-29279
- Bowman, G.F.** Network planning—an economic driven approach. II 1-47332
- Bowman, J.D.** see Baer, H.W. 1-34516
- Bowman, R.** Telecommunications via space platform—making new services affordable 1-29689
- Bowman, R.J.**, Westenskow, D.R. A microcomputer-based fluid infusion system for the resuscitation of burn patients 1-38519
- Bown, H.G.**, Sawchuk, W. Telidon—a review 1-29399
- Bowne, N.E.** Preliminary results from the EPRI Plume Model Validation Project - Plains site 1-53282
- Bowonder, B.** see Ravishankar, K. 1-53169
- Bowron, P.**, Al-Kabbani, A.S.S. Unification of active filters with passive sections having a single internal node 1-36242
- Bowron, P.**, O'Carroll, A.P. High-frequency active filters 1-45482
- Bowron, P.** see Stephenson, F.W. 1-45522
- Boyce, A.W.**, McKay, R., Montague, A.E. Tying it all together—a streamlined approach to cabling for electrical projects 1-30727
- Boxma, Y.** see van der Lubbe, J.C.A. 1-37394
- Boyacigiller, Z.** see Brubaker, J. 1-36306
- Boyacigiller, Z.G.**, Weir, B., Bradshaw, P.D. An error-correcting 14b/20  $\mu$ s CMOS A/D converter 1-27591
- Boyakhchyan, E.M.**, Keropian, I.A., Nikitin, N.I. Lead scintillation shoper detector 1-30327
- Boyanov, I.**, VaSileva, T.K. Investigation of the concentration of the epitaxial layer on the electric characteristics of bipolar transistors at high injection levels 1-46112
- Boyanov, Y.**, Vassileva, T.K. Computer-aided simulation of the influence of the temperature on the electric characteristics of transistor structures in static conditions 1-40551
- Boyarinov, I.M.**, Katsman, G.L. Linear unequal error protection codes 1-37411
- Boyd, D.W.**, Clark, C.E., Guardino, T.E. EPRI roles in battery commercialization 1-49917
- Boyd, J.D.**, Vincent, W.A. Evolutionary trends in the development of custom bipolar ICs for automotive electronics 1-40695
- Boyd, J.T.** see Chen, S.L. 1-46485
- Boyd, J.T.** see Dutta, S. 1-36941
- Boyd, J.T.** see Hopkins, F.K. 1-51214
- Boyd, J.T.** see Liao, F.J. 1-51155
- Boyd, J.T.** see Naumaan, A. 1-46572
- Boyd, J.T.** see Ramey, D. 1-34206
- Boyd, J.T.** see Subhadra Dutta 1-51159
- Boyd, R.D.** Evolution of Shiva laser alignment systems 1-46778
- Boyd, R.W.** see Yost, R.A. 1-29207
- Boyd, T.J.** see Penner, S. 1-38340, 1-42871
- Boyd, W.W.**, MacPherson, C.A., Taylor, J.L., Taskett, J.M., Lineberry, M.C. Image processing design for autonomous acquisition of targets 1-42318
- Boyer, L.** Small perturbation and transient behavior of a superconducting three element synchronous AC machine 1-35145
- Boyer, L.** see Song Yop Hahn 1-53376
- Boyer, P.K.** see Solanki, R. 1-32077
- Boyer, P.L.** Principles of the testing policy for telecommunication equipment 1-51884
- Boyer, W.B.**, Neau, E.L. Data handling facility for the Sandia particle beam fusion accelerator 1-34220
- Boyes, J.** The eyes of the oil industry 1-38567
- Boykin, W.H., Jr.** see Baumann, J.L. 1-42329
- Boyko, S.** see Adams, R.D. 1-50691
- Boyle, J.** World's first fuel cell power station for New York 1-44007
- Boyle, R.J.** Radiocommunications in the Royal Flying Doctor Service of Australia 1-33934
- Boys, J.T.** see Forster, M.K. 1-43573, 1-52985
- Boys, J.T.** see Green, R.M. 1-44111, 1-53698
- Boyun, V.P.**, Kozlov, L.G., Trakay, V.G. A modified method of successive approximations and integral equation solution algorithms oriented to structural realization 1-39665
- Bozeman, B.** Public managers' acquisition of scientific and technical information 1-26843

- Bozhevol'nyi, S.I., Zolotov, E.M., Chernykh, V.A. Radiation pulsations in  $\text{LiNbO}_3$  channel waveguides 1-33060
- Bozhevol'nyi, S.I., Zolotov, E.M., Shcherbakov, E.A. Interference modulator based on an  $\text{LiNbO}_3$  channel waveguide 1-36978
- Bozhevol'nyi, S.I. see Akhmedzhanov, I.M. 1-40968
- Bozhko, A.E., Shpachuk, V.P. Criteria of accuracy in tests for three-dimensional vibrations 1-48269
- Bozilovic, G., Surutka, J., Velickovic, D. Static voltages on the guy insulators of tower antennas 1-51748
- Bozinovic, M. The problem of locating 400-kV distributing substations in the compounds of large thermal power stations 1-31281
- Bozler, C.O., McClelland, R.W., Fan, J.C.C. Ultrathin, high-efficiency solar cells made from GaAs films prepared by the CLEFT process [VPE growth] 1-49683
- Bozler, C.O. see Leonberger, F.J. 1-28431
- Bozler, H.M. see Bartolac, T.J. 1-28408
- Bozoki, E., Culwick, B.B., Smith, J.D. Status of the National Synchrotron Light Source control system 1-42918
- Bozorgmanesh, H. see McQuaid, J.H. 1-34547
- Bozsik, I., Hofmann, I. Space charge effects in the focusing of intense ion beams 1-52630
- Bozzelli, J.W., Barat, R. Variable power micro-wave discharge and cavity 1-36434
- Braaten, J., Gjerlow, J. Digital processing techniques for integrated service networks 1-52037
- Braatz, P.O. see Efron, U. 1-46592
- Braccini, C., Gambardella, G., Sandini, G. A signal theory approach to the space and frequency variant filtering performed by the human visual system 1-47217
- Brace, D.J., Heatley, D.J. Wideband transmission by optical fibre system 1-29727
- Brace, D.J., Hill, A.M. Multiwavelength operation for low bit rate and wideband optical fibre systems—is it viable? 1-42279
- Brace, D.J., McDonna, A.P., Hay, G., Farthing, A.J. Optical fibre system engineering at British Telecom's surface stations employing transmission equipment practice TEPI(E) 1-42282
- Brace, J.A., Davy, T.J., Skeggs, D.B.L. Computer-controlled cobalt unit for radiotherapy 1-52805
- Brachkovskaya, N.B., Przhnevskii, A.K. Determination of the absolute intensities in the spectra of neodymium glasses by analyzing the Stark structure of the  $^4F_{3/2} \rightarrow ^4I_{9/2}$  contours 1-28686
- Bracke, L.P.M., Van Vliet, R.G. A broadband magneto-electric transducer using a composite material 1-52446
- Bradach, I., Kozlik, M., Kadlets, I. A new generation of transmitting antennas for television bands IV-V 1-47069
- Bradascchia, C. see Amendolia, S.R. 1-43238
- Bradbury, C.R. Call failure supervision in a telecommunications network 1-41899
- Bradbury, E.J., Bigg, D.M. Conductive plastics methods 1-27177
- Bradbury, J. see Paciotti, M. 1-52637
- Bradbury, J.C. The application of T-T connected transformers in distribution systems in Australia 1-44178
- Brader, R.H. High-accuracy ranging over voice radios for downed aircrew rescue 1-52055
- Bradford, M., Cleobury, E.G., Thomas, D.G., Turner, C., Turner, H.W. The application of 660 V and 1000 V for industrial installations 1-49091
- Brading, E. Remote line tester 1-37790
- Brading, E. Telephone fault finding 1-42000
- Bradke, M. von see von Bradke, M.
- Bradley, D.B. see Cain, J.B. 1-29448
- Bradley, D.J., Burton Holbrook, M., Sleat, W.E. Bandwidth-limited picosecond pulses from an actively mode-locked GaAlAs diode laser 1-37112
- Bradley, D.J., Eggebrecht, L.C., Saenz, J.A. Display buffer management 1-38132
- Bradley, D.J. see Holbrook, M.B. 1-28735
- Bradley, D.J. see Reiksten, G. 1-28618
- Bradley, D.J. see Tocho, J.O. 1-33276, 1-33286
- Bradley, D.L. see Bishop, C.A. 1-38295
- Bradley, J.C. see Mergerian, D. 1-46568
- Bradley, L.L., Jr. see Probst, S.E. 1-52190
- Bradley, L.P., Orham, E.L., Stowers, I.F., Braucht, J.R. Elastomer dielectric for pulse power 1-36724
- Bradley, P.A. see Shearman, E.D.R. 1-46937
- Bradley, P.A. see Thrane, E.V. 1-46939
- Bradley, P.J., Perez, C.A., Pokress, R.L. Some network planning implications of distributed processing switching systems 1-29324
- Bradley, R.S. A three stage approach to LSI board testing. I 1-34182
- Bradley, R.S. A three-stage approach to LSI board testing. II 1-47879
- Bradley, S.P. see Lamb, J.P. 1-31075
- Bradley, W.G. Electric vehicle battery charger-power line interface 1-44449
- Bradner LaGrange, J., Kyle, R.R. Millimeter-wave instrumentation radar system 1-52146
- Bradowski, J. see Gammel, G. 1-48426
- Bradsell, P. Microwave radar 1-37965
- Bradshaw, A.B. Positive impedance converters 1-40103
- Bradshaw, J. see Burnham, C. 1-34580
- Bradshaw, P. see Brubaker, J. 1-36306
- Bradshaw, P.D. see Boyacigiller, Z.G. 1-27591
- Bradvice, A. How to put cable breaks on the skids [telephone cables] 1-37844
- Brady, H.N., Smith, R.J., II Verification and optimization for LSI and PCB layout 1-45774
- Brady, J. see Eaton, S.S. 1-32307
- Brady, R.M. A superconducting gyroscope with no moving parts 1-28409
- Brady, R.M. The floating bridge 1-36091
- Brady, R.M. Non-conventional 15 and 200 W amplifier circuits 1-36092
- Brady, T.E., Hovland, C.T. Scanning Auger microprobe study of gold-nickel-copper diffusion in thin films 1-47572
- Braek, R., Helle, O., Sandvik, F. SOM—A SDL compatible specification and design methodology, experiences from 5 years of extensive use 1-42112
- Braekhus, J., Aasen, J.O. Experiments with direct integration algorithms for ordinary differential equations in structural dynamics 1-39711
- Braen, R.C., Lorenzen, J.A. Thin-film evaporator cage 1-39812
- Braen, R.C., Pleshko, P. Perimeter metallurgy pattern [plasma display panels] 1-30197
- Braess, D., Grebe, E. A numerical analysis of load flow calculation methods 1-43635
- Bragaglia, R. Hardware in microprocessors. To the limits of integration 1-36224
- Bragagnolo, J.A., DiNetta, L.C. Anti-reflection coatings for thin-film polycrystalline  $\text{CdS}/\text{Cu}_2\text{S}$  solar cells 1-49690
- Bragg, A.W. see Wushow Chou 1-33701
- Bragg-Remschel, D.A., Harrison, D.C. A computerized two channel ambulatory arrhythmia analysis system 1-48725
- Braggins, T.T. see Thomas, R.N. 1-35940
- Bragin, A.A., Kapustyan, A.N., Orlov, V.S. Fast twelve-bit digital-analog current converter 1-45589
- Bragin, N.V., Bondar', S.A., Gavanin, V.A., Gorshkov, V.P., Kutenin, Yu.D., Fetisova, V.I. The quantum yield of photocathodes with a negative electron affinity (NEA) 1-45853
- Bragin, N.V., Bondar', S.A., Vigdorovich, V.N., Suris, R.A., Sushkov, V.P., Furmanov, G.P. Internal amplification in heterojunction structures 1-32692
- Braginskii, A.P. see Greshnikov, V.A. 1-36024
- Braginskii, V.B., Panov, V.I., Vasiliev, S.I. The properties of superconducting resonators on sapphire 1-28414
- Braguier, M. see Tueta, R. 1-50326
- Brahme, A., Reistad, D. Microtrons for electron and photon radiotherapy 1-38523
- Braid, R., Jr. Better work force projections needed for nuclear plant construction 1-38863
- Braida, L.D. see Gennaro, S.De. 1-37453
- Braida, L.D. see Hicks, B.L. 1-37452
- Braihov, E.S., Vassergiser, M.E., Gukallo, O.N., Savenkova, N.B., Timoshenko, V.S. Assessment of the metrological characteristics of an axially-polarized piezoelectric transducer 1-30091
- Braiman, Y., Ben-Jacob, E., Imry, Y. Current noise effects on the microwave induced steps in current fed Josephson junctions 1-28329
- Braiman, Y. see Ben-Jacob, E. 1-40849
- Brain, D. see Adatia, N.A. 1-41355
- Brain, D.J., Haworth, D.P. In-orbit performance of the OTS-2 communication antennas [satellite communications] 1-42220
- Brain, M.C. Characterization and estimated performance of commercial  $n^+p$  Ge APDs for long-wavelength optical receivers 1-51279
- Brain, M.C. Comparison of available detectors for digital optical fiber systems for the 1.2-1.55- $\mu\text{m}$  wavelength range 1-51282
- Brainard, J.P., Anderson, R.A. Flashover of resistor and varistor materials 1-36705
- Brainard, J.P., Andrews, L.A., Anderson, R.A. Varistor-initiated arcs in lightning arrester connectors 1-49181
- Braisted, P. see Freret, P. 1-29460
- Brakelmann, H. Calculation of permissible loading for power cables in tubes or conduits 1-38754
- Brakelmann, H. Multiplication of the cooling station intervals in conductor cooled heavy duty cable 1-38755
- Brakelmann, H. Parameters of current ratings of naturally cooled power cables 1-53092
- Bralu, L., Balan, G., Bratu, A., Enache, R. Problems of insulation coordination in distribution installations of electric power plants internal services 1-34850
- Braman, D.P. see Barden, R.J. 1-39937, 1-45288, 1-45290
- Bramanti, A., Dalmazzo, R., Gallanti, G., Tellini, A. Analysis on a synchronous machine with axial air gap 1-49432
- Bramanti, A., Dalmazzo, R., Gallanti, G., Tellini, A. Experimental research on a prototype of a three-phase induction motor with axial air gap 1-49464
- Bramanti, M. Some experiments on the use of microwaves to detect targets in watery dielectrics [biomedical measurement] 1-30404
- Brambilla, P., Fantini, F., Malberti, P., Mattana, G. CMOS reliability: a useful case history to revise extrapolation effectiveness, length and slope of the learning curve 1-36693
- Brambley, D.R., Smith, D.C. High efficiency InP transferred electron device for high peak power, high mean power pulsed sources in J-band 1-32783
- Bramham, E. Design for underwater electrical supplies: a case history 1-49031
- Bramley, E.N. see Hakjowicz, L.A. 1-46883
- Bramman, J.I. The fast reactor 1-30927
- Bramman, J.I. see Moore, J. 1-38869
- Brammer, D.J. see Williams, D. 1-41352
- Brans, S.J. see Fisburn, P.C. 1-50113, 1-50113
- Brancolini, R.O. Automated intelligence processing systems in support of tactical operations [naval communications] 1-52075
- Brand, K. Intense low energy heavy ion beams from a tandem Dynamitron 1-42854
- Brand, P.G.A. Current trends in electric furnace emission control 1-43451
- Brand, W.A. see Blecker, J. 1-52513
- Brandelik, A. see Bauer, W. 1-43110
- Brandenburg, G. Digital measurement and control of electrical drives for PRP-industries 1-53847
- Brandenburg, G. see Stoff, H. 1-34498
- Brandenbusch, W., Fliege, N. Multiple parameter tunable active integrator filters 1-45514
- Brander, R.W., Faktor, M.M. Growth of III-V epitaxial layers from the vapour phase 1-35960
- Brandestini, M.A. see Eyer, M.K. 1-30426
- Brandisky, R. see Zlatev, M. 1-49494
- Brandl, R. A covering property of finite groups 1-31915
- Brando, T., Fainberg, A., Kalogeropoulos, T., Michael, D., Tzanakos, G. Observation of low-energy antineutrons in a time-separated neutral beam 1-34483
- Brandolini, A., Carminati, E. A project of indicating measuring instruments based on a microprocessor 1-52338
- Brandstetter, A. see Keller, W. 1-43822
- Brandt, A., Lisek, B. On the approximation of  $GI/GI/m/0$  by means of  $GI/GI/\infty$  1-50104
- Brandt, G.B. In-plane scattering in glass and niobium oxide waveguides 1-33049
- Brandt, G.B. see Gottlieb, M. 1-34388
- Brandt, J.C. see Hobbs, R.W. 1-48824
- Brandt, N.B., Moshchalkov, V.V., Rylík, A.S., Chudinov, S.M., Andrianov, D.G., Kolchina, G.P. Inversion of the  $\Gamma$  and L bands of GaSb:Te under hydrostatic pressure 1-32646
- Brandt, R. Laying a 10 kV overhead cable with a Lyniprot sheath 1-30761
- Branm, J.G. 'Zirarc' overcurrent protection for three-phase transformers 1-44131
- Brannen, D. see Fang, M.T.C. 1-35311
- Brannigan, M. Theory and computation of best strict constrained Chebyshev approximation of discrete data 1-39663
- Brannon, J.H., Asmus, J.F. UV hologram recording with an excimer laser 1-28792
- Branscomb, L.M. Computer communications in the eighties—time to put it all together 1-33789
- Branspiz, Yu.A. see Zagirnyak, M.V. 1-46847
- Brantingham, G.L. see Kun-Shan Lin 1-41539
- Branum, D. see Reginato, L.L. 1-43061
- Braquet, H. see Benichou, C. 1-50977, 1-50978
- Braquet, H.J. see Benichou, C. 1-52023
- Braquet, H.J. see Blachere, J.-M. 1-42056
- Brar, A.S. see Robinson, W.G. 1-48093
- Brar, D. High density magnetic recording on a mini flexible disk drive 1-40802
- Brasch, F.M., Jr., Van Ness, J.E., Kang, S.-C. Design of multiprocessor structures for simulation of power system dynamics 1-53028
- Brashears, M.R. see Zalay, A.D. 1-33299
- Brashears, S.S. see Danchenko, V. 1-28107
- Brassard, C. see Bavaria, G. 1-48432
- Brassart, G., Garslian, R., Le Nai, P. An electrooptical modulator for selecting a single pulse from a train 1-28527
- Bratchenko, V.N. see Bataev, V.M. 1-52242
- Bratchikov, A.N., Grinev, A.Yu. Transformation of field distributions by a multimode planar optical waveguide 1-51200
- Bratis, J.C., Marciniak, T.J., Jain, M.L., Holtz, R.E. Residential/commercial cogeneration: fuel and technological options 1-30975
- Bratoljic, T. Eddy current losses in slotted solid rotors 1-53382
- Bratolyubov, V.B. see Baikov, A.I. 1-39051
- Bratu, A., Bratu, L., Mihail, G., Popa, B. Present and future problems concerning the behaviour of variable-resistance-discharge-devices when subjected to overvoltages due to switching 1-30803
- Bratu, A. see Bralu, L. 1-34850
- Bratu, L. see Bratu, A. 1-30803

**Bratus, A.D.** Synthesis of optimal control systems for principal drive of tube cold rolling mills 1-35527

**Brau, C.A.** *see* Hohla, K.L. 1-46673

**Brau, C.A.** *see* Stein, W.E. 1-37047

**Brauchle, Chr.** *see* Bjorklund, G.C. 1-28805

**Braucht, J.R.** *see* Bradley, L.P. 1-36724

**Braude-Zolotarev, Yu.M., Koushtuev, A.I., Trofimov, Yu.K.** Optimization of spread spectrum systems by cascaded coding 1-47612

**Brauer, F., Soudack, A.C.** Coexistence properties of some predator-prey systems under constant rate harvesting and stocking 1-50098

**Brauer, F.P.** *see* Goles, R.W. 1-34548

**Brauer, H., Schuft, H.-W.** Electric equipment of a LEW special furnace for heat treatment of welding electrodes 1-31671

**Brauer, R.C.** *see* Vyas, N.M. 1-44312

**Brault, R.G., Miller, L.J.** Sensitivity and contrast of some proton-beam resists 1-32746

**Brault, R.G., Miller, L.J.** A method for rapidly screening polymers as electron beam resists 1-50857

**Braun, D., Jakob, R., Moll, R.** Research, development and application of the SF<sub>6</sub> arc self-extinguishing techniques 1-31343

**Braun, E.** Power feeding and personal safety in cable transmission systems 1-42134

**Braun, F.G., Hafner, E.R., Schultze, E.** System and traffic aspects in SILK: system for integrated local communications 1-29329

**Braun, H.I., McNeil, D.R.** Testing in robust anova 1-39532

**Braun, J.A., Rydwansky, F.C., Jr.** A leadless socket/stitch-wire prototyping system for high speed logic 1-44702

**Braun, M.** Electrolysis of water—the basis of a future hydrogen economy 1-31735

**Braun, R.J.** Back-to-back bubble memory detector system 1-28265

**Braun, W.** 'Risk minimization' in German nuclear power plants 1-53175

**Braun, W., Schatz, A.** Safety aspects of underground siting of nuclear power plants 1-53177

**Brauninger, J.** A variable metric algorithm for unconstrained minimization without evaluation of derivatives 1-35882

**Braunovic, M.** Effect of current cycling on contact resistance, force, and temperature of bolted aluminum-to-aluminum connectors of high ampacity 1-32485

**Braunschweig, W.** Spark gaps and secondary emission counters for time of flight measurement 1-38431

**Braunstein, A., Zinger, Z.** On the dynamic optimal coupling of a solar cell array to a load and storage batteries 1-31451

**Braunstein, A., Zinger, Z.** On the dynamic optimal coupling of a solar cell array to a load and storage batteries 1-35398

**Braunstein, A.** *see* Feldman, J. 1-49361

**Braunstein, A.** *see* Kaplan, M. 1-44156

**Braunstein, A.** *see* Zinger, Z. 1-31452, 1-31453, 1-35399, 1-35400

**Braunstein, G., Kalish, R.** Damage and lattice location studies in high-temperature ion-implanted diamond 1-32751

**Braunstein, G.** *see* Janai, M. 1-50318

**Braunstein, H.R.** *see* Nickel, D.L. 1-49549

**Brautti, G., Raino, A.** The transmission-line multiplier high voltage generator 1-52613

**Braver, R., Grunert, J., Guntner, H.** Television timers with external synchronisation facilities and a programmable number of lines 1-42409

**Brawn, D.** Some recent changes in antenna design 1-29861

**Bray, C.L.** *see* Richards, B. 1-43354

**Bray, D.** Bipolar semi-custom ICs in nonentertainment consumer applications 1-32874

**Brazil, T.J., Scanlan, S.O.** Final comments on 'Effects of carrier diffusion on the small-signal behavior of IMPATT diodes' [reply] 1-32789

**Brche, M.A., Kozlov, A.T., Kravchenko, L.N., Pashintsev, Yu.I., Sapelnikov, A.N., Starosel'skiy, V.I., Tranchenko, V.D.** Bistable switches employing the Gunn effect 1-40534

**Brearley, L.E., Launikitis, J.A.** Linear ratchet connector retainer 1-27667

**Brebner, J.L.** *see* Kirby, P.B. 1-45940

**Brecke, R.A., Brownback, D.E., Sheehan, D.P.** Servo PLO out-of-sync detector 1-27338

**Breckenridge, F.R.** *see* Hsu, N.N. 1-38608

**Breckenridge, R.W.** Refrigerators for cooling spaceborne sensors 1-48098

**Brede, H.J.** *see* Siebert, B.R.L. 1-52748

**Bredikis, Yu.Yu., Stirbis, P.P., Dumchyus, A.S., Veteikis, R.P., Skuchas, I.Yu., Korolev, V.I., Yarmilko, P.F.** Optimization of endocardial electrodes' geometry and contact-surface area 1-30466

**Breese, P.** *see* Williamson, S. 1-31231, 1-49462

**Brefeld, W.** *see* Althoff, K.H. 1-42878

**Bregman, H.** *see* Salasin, J. 1-49940

**Brehm, G.E.** *see* Scott, B.N. 1-27624

**Brehm, K.** *see* Bauer, B. 1-42471

**Breil, J.-F.** *see* Blanchard, A. 1-48786

**Breiland, J.R., Friedenson, R.A.** Designer's Workbench: the user environment 1-27211

**Breimesser, F., Poppinger, M., Schwaier, A.** Piezoresistive pressure sensor with silicon diaphragm 1-30106

**Breitkopf, A.** Design and technology for acceleration-resistant electronic units. II 1-31883

**Breitkopf, P., Barnwell, T., III** Segmental preclassification for improved objective speech quality measures 1-41601

**Brekel, C.H.J.** *van den see* van den Brekel, C.H.J.

**Brekel, C.H.J.** *Van Den see* Van Den Brekel, C.H.J.

**Brekelmans, F.E.M., Duisterhout, J.S., van Dam, R.A.A.F.** Detection of life threatening arrhythmias by successive peak-trough series analysis 1-52794

**Bremond, P.** Partial balance, innovations gains, and the intensity filtering method of flow analysis in Markovian systems 1-31938

**Bremenson, C., Penicaud, E.** Telecommunications by satellite 1-42214

**Brenac, A.** Molecular beam epitaxy 1-45078

**Brenac, A.** *see* Abdalla, M.I. 1-41022, 1-41023

**Brenci, M., Checacci, P.F., Falciai, R., Scheggi, A.M.** Multimode optical fibers with noncircular cross section 1-51196

**Brenci, M., Falciai, R., Russo, V., Scheggi, A.** Optical fiber connector in a delivery system for medical applications 1-48747

**Brendel, A.F.** *see* Hoffer, P.B. 1-34614

**Brendler, W., Ermisch, J.** Electronic amplifiers in novel current transformers for electric power applications 1-53516

**Brendler, W., Kubusch, M.** Computation of the leakage flux in magnetic vessel shieldings and in transformer vessels 1-49530

**Brener, L.M.** *see* Berezovich, L.A. 1-42133

**Brenn, R., Haralambidis, D.** High resolution spectroscopy of the carbon K edge in polymers with a Doppler tuned X-ray spectrometer 1-38461

**Brennan, F.L., Bickerdike, C.G., Evans, D.L.** IEEE working group report of problems in hydrogenerator thermostat stator windings. II. Bibliography 1-44051

**Brennan, J.M., Hasstedt, J., Noe, J.W., Pancake, C., Scholdorf, A., Sprouse, G.D.** Control system for the Stony Brook superconducting heavy-ion linac 1-42947

**Brennan, J.M.** *see* Ben-Zvi, I. 1-48428

**Brennand, A.W.** *see* Glover, A.J. 1-44500

**Brenndorfer, K.** All is not gold—are amateur short wave receivers at the state of the technology? 1-47540

**Brenneise, C.** *see* Kihm, T. 1-47736

**Brenner, R.** *see* Strauss, M.G. 1-34460

**Brenner, S.** *see* Bass, A. 1-27420

**Brent, R.** *see* Kleijnen, J. 1-44861

**Brentrup, R.J.** *see* Barr, P.C. 1-41706

**Breshkarev, A.V., Popov, V.S.** Transducers of the AC voltage effective values 1-34262

**Breskin, A., Cattai, A., Chrapak, G., Peisert, A., Policarpo, A., Sauli, F.** Advances in vacuum ultraviolet detection with multistep gaseous detectors and application to Cerenkov ring imaging 1-34284

**Breskin, A., Chrapak, G., Majewski, S., Mathy, F., Sauli, F.** The rate limitation in multistep chambers 1-34439

**Breslin, J.T.** *see* Rothwarf, R. 1-46426

**Breslow, N.** Odds ratio estimators when the data are sparse 1-35739

**Bresnock, F.J.** *see* Harper, J.M.E. 1-40516

**Bressanini, G.** *see* Galeazzi, G. 1-43255

**Bresse, J.-F.** Electron beam induced current (EBIC) and voltage contrast in semiconductor devices 1-36578

**Bresse, J.-F.** *see* Joulie, A. 1-36505

**Bresser, O.R., Leenen, A.J.H., in 't Veld, S.H.K.** Waterblocking in optical cables 1-33071

**Bretonneau, P., Dumail, M., Waast, B.** Use of a laddertron chain in Orsay MP tandem 1-42843

**Bretscher, M., Ender, U., Hammerli, S.** Electronic component quality and reliability assurance 1-26949

**Brett, J., Fontana, R.P., Walsh, P.J., Thouret, W.E., Gerber, M., Kaufman, R., Thorington, L.** Filaments for incandescent lamps with energy conserving envelopes 1-44465

**Brett, J.A.** Cheap & cheerful amplifier 1-27317

**Brethauer, K., Diemar, W.** A special DC motor with accessory rectifier circuit for electric vehicles 1-44117

**Brette, J., Lodge, K.J., Poole, R.** The electrical effects of joints and bonds in carbon fibre composites 1-32095

**Breuer, K.** *see* Reisse, G. 1-35973

**Breuer, K.D.** *see* Meier, P.J. 1-47735

**Breuer, M.A., Parker, A.C.** Digital system simulation: current status and future trends or Darwin's theory of simulation 1-45419

**Breuer, M.A., Shamsa, K.** A hardware router 1-36210

**Breulung, W.K.** Electrophotographic copier with selectively actuatable image fixation 1-39261

**Breuneval, J., Pecaut-Tison, F.** Free and isometric actions on manifolds, all of whose geodesics are closed and of same length 1-39473

**Breuning, T.K.** Implementation of CCITT man machine language in EWS D 1-42126

**Brew, J.R., Spaccavento, T., Smythe, P.** Modernisation and expansion of the electrified rail network of New South Wales 1-35475

**Brewer, D.F.C., Newell, W.R., Smith, A.C.H.** Focal properties of annular disc lenses 1-51569

**Brewer, J.** *see* Richards, W.J. 1-29002

**Brewin, D.F.** *see* Picken, D.J. 1-44568

**Brewster, D.C.** Theoretical calculation of RF properties of carbon fibre laminates 1-32092

**Brey, H.** Teaching microprocessors to exceptional students 1-35583

**Breyer, E.** *see* Pfeifer, T. 1-31895

**Brezina, P.** *see* Ries, H. 1-39231

**Brezzi, F., Marini, L.D., Quarteroni, A., Raviart, P.A.** On an equilibrium finite element method for plate bending problems 1-35922

**Brglez, F.** *see* Sakaue, G. 1-46333

**Briand, M.** *see* Prezati, J. 1-53808

**Bricard, P.** *see* Polaert, R. 1-32579

**Brice, C.W., III, Cavin, R.K., III** Multiprocessors and VLSI technology: possible impacts on power system studies 1-53049

**Brice, J.M., Guerin, G., Gris, Y., Mackocoiak, E., Montiez, M.** 4K static RAM in SOS/C-MOS technology 1-40700

**Brick, D.B., Ellersick, F.W.** Challenges and opportunities in Air Force tactical communications 1-29327

**Bridenbaugh, E.** Can a small PABX and a key system find true happiness together? 1-37831

**Bridenbaugh, P.M.** *see* Kirsch, S.T. 1-51216

**Bridges, D., Brody, A., Chen, A., Goldberg, M., Horwitz, N., Kandaswamy, J., Kooy, H., Lariccia, P., Monetti, G.** Initial performance of beam pipe PWC installed in CLEO at CESR 1-43234

**Bridges, D.** *see* Brody, A. 1-34436

**Bridges, E.** *see* Ittipiboon, A. 1-47081

**Bridges, E.** *see* Rahman, F. 1-33388, 1-41349, 1-51733

**Bridges, J.E.** An investigation on low impedance low voltage shocks 1-35608

**Bridges, J.E., Preache, M.** Biological influences of power frequency electric fields—a tutorial review from a physical and experimental viewpoint 1-52814

**Bridges, J.F.** *see* Griffin, J.E. 1-42887, 1-42888

**Bridges, M.** Conductive plastic potentiometer 1-36352

**Bridge, J.S.** Automatic speech recognition: an overview 1-41619

**Bridoux, E.** *see* Waxin, G. 1-36987

**Bridwell, L.B.** *see* Sofield, C.J. 1-52629

**Briegel, C.** *see* Wolff, D. 1-48286

**Brierley, M.C.** *see* White, K.I. 1-28504, 1-46536

**Briggs, D.C.** *see* Armantrout, J.D. 1-31423

**Briggs, J., Halama, H.J.** Leak checking in ISABELLE 1-48293

**Briggs, J.J.** *see* Schneider, W.J. 1-42829

**Briggs, R.J., Bix, D.L., Caporaso, G.J., Fessenden, T.J., Hester, R.E., Melendez, R., Neil, V.K., Paul, A.C., Struve, K.W.** Beam dynamics in the ETA and ATA 10 kA linear induction accelerators: observations and issues 1-48400

**Briggs, S.J.** The definition and measurement of image quality 1-37658

**Briggs, S.J.** Digital test target for display evaluation 1-47953

**Briggs, S.J.** Photometric technique for deriving a 'best gamma' for displays 1-52391

**Brighenti, A.** *see* Blandino, A. 1-38926

**Bright, C.I.** Applications of electrically conductive coatings in infrared instruments 1-48106

**Bright, R.D.** The French way—Teletel 1-29408

**Brignoll, J.E.** *see* Comley, R.A. 1-48717

**Brignolo, R., Lambarelli, L.** Real time simulation of a packet voice connection 1-51885

**Brijs, B.** *see* Verplancke, J. 1-48546

**Briker, H., Mathys, W.** Cables to meet the highest safety requirements 1-30879

**Bril, T.W.** *see* Verhulst, A.G.H. 1-46443

**Brill, P.H., Posner, M.J.M.** The system point method in exponential queues: a level crossing approach 1-31935

**Brillet, J.** *see* Baudry, A. 1-42366

**Brilliantov, D.P.** On power consumption of TV receivers 1-34073

**Brillson, L.J., Bauer, R.S., Bachrach, R.Z., Hansson, G.** Atomic interdiffusion at Au-GaAs interfaces studied with Al interlayers 1-46000

**Brillson, L.J., Brucker, C.F., Stoffel, N.G., Katnani, A.D., Margaritondo, G.** Abruptness of semiconductor-metal interfaces 1-27864

**Brillson, L.J.** *see* Brucker, C.F. 1-50821

**Brinca, A.L.** Enhancing whistler wave-electron interaction by the use of specially modulated VLF wave injection 1-46877

**Brindle, J., Gorman, B., Redford, J., Schlam, E., Mulvey, W., Soltan, P., Tsaparas, G., Urnette, K.B., Conrod, J., Melnick, W., Mysling, J.** Flat panel display technology overview 1-30208

**Brindle, J.H.** *see* Task, H.L. 1-30022

**Brinda, P.** *see* Mallory, M.L. 1-42827

**Briner, R.G.** Experiments with the AIM-65 microprocessor 1-32375

- Brink, D.J. Rate-equation model for the lasing process in a pulsed high-pressure waveguide carbon dioxide laser 1-33190
- Brink, D.J. A small-scale CW HF laser based on a hollow-cathode discharge 1-37060
- Brinker, C. *see* den Brinker, C.
- Brinker, D.J., Wang, E.Y. GaAs MIS solar cells with evaporated tin oxide interfacial layers 1-53625
- Brinkoworth, G., Lowry, J., Bailey, A., Schafer, R. The minicomputer in a search environment: application to real-time process control 1-44569
- Brinlee, W.R., Owens, J.M., Smith, C.V., Jr., Carter, R.L. 'Two-port' magnetostatic wave resonators utilizing periodic metal reflective arrays 1-46435
- Brinlee, W.R. *see* Carter, R.L. 1-46438
- Briones, F., Golmayo, D., Ortiz, C. The role of oxygen in the sensitization of photoconductive PbSe films 1-37014
- Briot, M. *see* Ferrer, M. 1-51552
- Briscoe, W.C. Marine Mammal Transmitter for porpoise tracking 1-42328
- Briska, M., Schmitt, A. Extracting aluminum from silicon after ion implantation 1-27920
- Briskin, B.S. *see* Berman, L.S. 1-32110
- Briskman, R.D. Future commercial communications satellite possibilities 1-47592
- Brisson, V., Gregory, Ch., Morinaud, J., Petiau, P., Miller, D.J. Tests on a solid argon detector at liquid hydrogen temperature 1-43241
- Bristol, R.O. A look at employee fringe benefits as a means of partial compensation 1-31795
- Britchford, J.M. *see* Wharf, J.H. 1-48827
- Brito Cruz, C.H., Fragnito, H.L. Increasing the efficiency of CO<sub>2</sub> transverse electric atmospheric lasers by use of low ionization potential additives 1-37058
- Brito Cruz, C.H. *see* De Brito Cruz, C.H.
- Britschgi, J. Simple computing procedure for the determination of winding data for three-phase squirrel cage motors 1-31225
- Britt, E.J. *see* Smith, M.D. 1-31481
- Britton, A., Buckley, R.W., Heathcote, A., Silver, R., Tetley, M., Watts, A. Solar cells in school 1-35356
- Britton, L.G. *see* Lees, P. 1-37257
- Britton, R.B. *see* ten Kate, H.H.J. 1-44184
- Briza, F. *see* Viktorin, J. 1-50516
- Brkic, I. *see* Sekalco, J. 1-39437
- Bro, M.L., McCane, D.I., Allen, D.B., Reed, J.C. Perfluoroalkoxy fluorocarbon resin properties relating to electrical and electronic applications 1-32914
- Broadbent, S. *see* Imamura, M.S. 1-31112
- Broadhead, J., Trumbore, F.A., Basu, S. Metal chalcogenides as reversible cathodes in lithium cells and their future in telecommunications 1-53607
- Broadhead, J. *see* Murphy, D.W. (editor) 1-44328
- Broadhead, W.R. Prestel: the first year of public service 1-47371
- Broadhurst, J.H. *see* Thieberger, P. 1-42849
- Broadley, I.C., Coats, R., Hefner, W.J. Development of the coal fired combined cycle and gas turbine cycle for power generation 1-49304
- Broadwater, R.P. Application of nonlinear, disturbance-accommodating controllers in power plant control system design 1-31040
- Broadway, A.R.W., Rodriguez, J.L. Delta-star PAM 1-53494
- Brobst, J.D., Weber, R.J. L-X band 25 $\mu$ s coherent power sources 1-27622
- Brochard, F. *see* Alard, J.P. 1-52717
- Brock, G.W., Pawlowski, E.J., Shelledy, F.B. Producing accurate track pitch and width in multi-element planar ferrite substrates having deposited turns 1-28245
- Brock, J.W. Test safety valves correctly to ensure good installation and top maintenance 1-31021
- Brock, J.W. Provide good surroundings to get best performance from safety valves 1-39362
- Brock, T.R. *see* Barratt, P.J.S.B. 1-43124
- Brockdorff, C. *von* *see* von Brockdorff, C.
- Brockett, P.L., Haaland, P.D., Levine, A. Information theoretic analysis of questionnaire data 1-51759
- Brockhurst, F.C. Enhancement of commutation of current source inverter fed synchronous machines by pole face compensating windings 1-44063
- Brockjeck, W. *see* Bolkowski, S. 1-53807
- Brockman, H.E. *see* Nicholas, K.H. 1-32857
- Brockman, R.A. MAGNA: a finite element system for three-dimensional nonlinear static and dynamic structural analysis 1-45020
- Broden, K. *see* Novik, S.I. 1-48591
- Brodersen, R.W. *see* Gray, P.R. 1-45521
- Brodhage, H., Noack, W. A comparison of the planning problems for analogue and digital signal transmission over radio links 1-42160
- Brodin, I.I. *see* Freik, D.M. 1-27842
- Brodowski, J. *see* Keane, J. 1-48427
- Brodowski, J.J. *see* Mobley, R.M. 1-42779
- Brodsky, M.H., Kirby, P.B. Incorporation of dopant into amorphous silicon and thermoelectric device 1-50871
- Brodsky, M.H. *see* Hvam, J.M. 1-28554
- Brodsky, M.H. *see* Scott, B.A. 1-45104
- Brodsky, W.L., Parker, F.D., Schoenthaler, D. Development of a 68-pin multiple in-line package 1-50007
- Brodwin, M.L., Benway, J. Experimental evaluation of a microwave transmission moisture sensor 1-48050
- Brody, A., Chen, A., Goldberg, M., Horwitz, N., Kandaswamy, J., Kooy, H., Lariccia, P., Moneti, G., Bridges, D. Initial performance of cathode strip cylindrical PWC's in CLEO at CESR 1-34436
- Brody, A. *see* Bridges, D. 1-43234
- Brody, P.S. Semiconductor-ferroelectric nonvolatile memory using anomalous high photovoltages in ferroelectric ceramics 1-28575
- Brody, P.S. *see* Lee, J.N. 1-33659
- Brodyanskii, V.M. *see* Nesterov, B.P. 1-31145
- Brodzik, D. *see* Magyary, S. 1-42922
- Brodzinski, E., Weidenhofer, L.F., Wink, K.-D. Station auxiliaries for the power plant at Ulsan 1-30986
- Broehl, J.H. An end-use approach to demand forecasting 1-34803
- Broehl, J.H. An end-use approach to demand forecasting 1-43615
- Broek, H.J.G. Van den *see* Van den Broek, H.J.G.
- Broekstra, G. On the foundations of GIT (General Information Theory) 1-29041
- Broer, M.M., Levey, C.G., Strauss, E., Yen, W.M. Variable birefringent beam splitter 1-28750
- Brofferio, S. Two case studies used in teaching controller design in electronic systems 1-49883
- Broffitt, B., Clarke, W.R., Lachenbruch, P.A. Measurement errors—a location contamination problem in discriminant analysis 1-35785
- Brogan, W.T. *see* Anderson, A.C. 1-32952
- Broido, J.C. Mathematical circuits and processors: some powerful auxiliary processing aids. II. The first digital processor: the APX 86/20 1-50493
- Brojek, T. Method of limitation of the total power demand for a group of resistance furnaces with discontinuous temperature control systems 1-44496
- Brokaw, A.P. Electronic data conversion encounters the 'Real World' interface 1-27568
- Brokish, L.F. *see* Yeongming Hwang 1-47006
- Broline, E.N., Shelton, K.J. Troubleshooting interconnected radio systems 1-52062
- Brombach, D. *see* Berkes, B. 1-52642
- Bromhead, J. Offshore electrical systems ten years on [hazardous areas] 1-53853
- Bromley, D.A. *see* Thieberger, P. 1-42849
- Bromley, K. *see* Speiser, J.M. 1-37542
- Bron, O.B., Lyarskii, B.A., Kukiev, Yu.V. Plasma eddies in arcing in narrow insulation slits 1-44255
- Bronez, T.P. *see* Cadzow, J.A. 1-37616
- Broniarek, C.A. Mechanical stability of solid brush current collection systems 1-35117
- Broniarek, M., Niewiarowska, M., Politowski, M. Ceramic trimming capacitor selected parameter distribution 1-36366
- Broniatowski, A. Charged grain boundaries in germanium 1-32613
- Bronicki, Y.L. A solar-pond power plant 1-38932
- Bronitskii, M.A., Vyskirk, A.S. Economic intervals of load and designs of equal economy 1-34821
- Bronner, B. *see* Meric, P. 1-30417
- Bronnikov, V.N. Analysis of the noise immunity of continuous message transmission using analog coding 1-51784
- Bronshtein, E.L., Kremenetskii, A.M., Stryutskov, V.K. Analog-digital industrial-frequency measuring transducer 1-38175
- Bronson, E.C., Siegel, L.J. A parallel architecture for speech understanding 1-41609
- Bronstein, B. Corpus-Itaipu: analysis of the trilateral negotiations and agreement 1-43997
- Brookfield, J.T., Trimble, M.K. A standard range of DC power supplies for PBXs 1-35252
- Brookfield, M.J. Fibre optic data highway components 1-28486
- Brooks, F.D. *see* Bartle, C.M. 1-30311
- Brooks, G.A. *see* Allen, R.C. 1-34489
- Brooks, G.A. *see* Bartush, T.A. 1-27899, 1-46198, 1-50011
- Brooks, J.G. Automation of engine test beds at the BP Research Centre 1-39178
- Brooks, J.N. *see* Baker, C.C. 1-35016
- Brooks, S.R., Miller, P.F. The influence of radiometric resolution on synthetic aperture radar design parameters 1-29802
- Broom, R.F., Heuberger, W., Oosenbrug, A. Windows for defining the action area of Nb tunnel junctions 1-51107
- Broom, R.F., Latta, E., Oosenbrug, A. Method of producing Nb Josephson tunnel junctions 1-28351
- Broom, R.F., Raider, S.I. Control of the Josephson current density of edge junctions 1-28347
- Broom, W.E., Gardner, H.J. Continuous liquid level sensor 1-30081
- Broome, K. *see* James, D.S. 1-47742
- Broomfield, R. *see* Richmond, P. 1-32878
- Broschat, M., Clayton, R. Compaction techniques applied to subtransmission line uprating 41.6 kV to 115 kV 1-43724
- Brosche, D. Investigations of stresses of structure caused by pressure waves in connection with safety considerations for nuclear power plants 1-53176
- Brose, J.W., Flachenecker, G. Noise minimization by coherent AM-PM noise processing in solid-state frequency multipliers 1-27623
- Broser, I. *see* Baumert, R. 1-41076
- Broschat, M., Clayton, R. Compaction techniques applied to subtransmission line uprating 41.6 kV to 115 kV 1-38776
- Brosilow, R. Automated TIG welding joins nuclear piping fast 1-31731
- Brosio, A., Perino, M., Solina, P. A low consumption light powered telephone on optical fibre 1-29732
- Brosius, L. Comment on a paper by M.C. Cheng [LP] 1-44995
- Brossard, P.C. *see* Henaff, J. 1-37872
- Brosson, P., Ribeiro, C.A. A simple method of determining the Al concentration in GaAlAs layers used in double heterostructure lasers 1-46752
- Brosson, P., Ribeiro, C.A., Ellis Ripper, J. Frequency demodulation of a semiconductor laser by FM-AM conversion in an optical fiber 1-37116
- Brosson, P., Rühle, W.W., Patel, N.B., Ripper, J.E. Optical coupling of two injection lasers: a new experimental approach to study the gain broadening mechanism 1-37120
- Brosson, P. *see* Rühle, W. 1-51469
- Brostrom, G. On sequential retractive subset selection procedures 1-39535
- Brosze, O. The development and operation of the electroacoustic converter 1-52289
- Broszeit, E. *see* Kloos, K.H. 1-32083
- Brothers, E.W. Intermetallic compound formation in soft solders 1-50003
- Brotton, J. Remote sensing could emerge as a major role for fibre optics 1-28439
- Brouant, M. *see* Boirat, R. 1-42228
- Broudicou, C. An initial condition method for solving Fredholm integral equations on an open bounded set of  $R^n$  1-50266
- Broughton Deal, S., Barch, D.W. Masking sheet for etching one-piece cup and sleeve blanks 1-50718
- Broukin, B.A. *see* Zarochentsev, G.G. 1-43917
- Brouns, A.J. Second-order gradient noise-cancelling microphone 1-41904
- Broussard, P., Schmidt, W.B. The Longwall Automation Research Project of the US Department of Energy 1-39333
- Brousseau, A.T., Chamberlin, D.D. FMIT direct-current beam monitor 1-42949
- Broussoux, D., Servet, B., Micheron, F. Structure and morphology of polyvinylidene fluoride induced by mechanical and electrical orientations 1-27180
- Broussoux, D. *see* Ravinet, P. 1-36719
- Broussoux, D. *see* Servet, B. 1-27179
- Brouwer, J.A.M. *see* de Brouwer, J.A.M.
- Brouwer, R.P., Velzel, C.H.F., Bao-Sung Yeh. Lateral modes and self-oscillations in narrow-stripe double-heterostructure GaAl-As injection lasers 1-37117
- Brouwer, W. Airline maintenance strategy 1-35620
- Brouwers, R. *see* Kleijnen, J. 1-44861
- Brow, N.J. *see* Dominey, J.R. 1-53217
- Browall, K.W., Mazandarany, F.N. Development of molten carbonate fuel cells for power generation 1-31439
- Browell, E.V., Carter, A.F., Wilkerson, T.D. Airborne differential absorption lidar system for water vapor investigations 1-34016
- Brower, D.L. *see* Peebles, W.A. 1-41117
- Brower, D.V., Naylor, K.L., Phillips, P.J. Multiple morphologies in cross-linked polyethylene 1-30755
- Brower, R.D. *see* Argumedo, A.J. 1-32974
- Browman, A. LAMPF hardware beam transmission monitor systems 1-42932
- Browman, A. *see* Hurd, J. 1-43047
- Browman, A. *see* Sander, O. 1-48358
- Brown, A.G. Failure analysis techniques applied to epoxy encapsulated thick-film hybrids 1-26971
- Brown, A.J., Edwards, L.M., Mosher, L.G. Memory address space expansion 1-50502
- Brown, A.K. Effects of element cross-polarisation in adaptive antennas 1-41313
- Brown, A.R., Middlebrook, R.D. Sampled-data modelling of switching regulators 1-53560
- Brown, B. *see* Stroink, G. 1-38479
- Brown, B.C., Cantal, R., Hanna, B., Kerns, C.R., Newman, R., Holmes, R.S., Myrianthopoulos, L.C. An evaluation of some phototubes with high gain first dynodes 1-32584
- Brown, B.C. *see* Hanson, J. 1-34445
- Brown, B.C. *see* Owen, C.W. 1-48346
- Brown, B.C. *see* Sakai, Y. 1-34448
- Brown, B.H. *see* Stevens, J.C. 1-30437
- Brown, B.M. Symmetric quantile averages and related estimators 1-35751

- Brown, B.S.** Radiation effects in superconducting fusion-magnet materials 1-28406
- Brown, B.S.** *see* Birtcher, R.C. 1-36843
- Brown, C.** System X in Britain's new network 1-37685
- Brown, C.P.** *see* Wiksten, C.L. 1-29657
- Brown, C.R., Mowforth, P.H.** An improved photoelectric system for two-dimensional eye movement recording 1-34279
- Brown, D.** Speech synthesis 1-33576
- Brown, D., Frei, W.** Target segmentation in infra red images 1-29200
- Brown, D.C., Abate, J.A., Lund, L., Waldbillig, J.** Passively switched double-pass active mirror system 1-37091
- Brown, D.C., Kelly, J.H., Abate, J.A.** Active-mirror amplifiers: progress and prospects 1-51420
- Brown, D.C.** *see* Bunkenberg, J. 1-51410
- Brown, D.C.** *see* Kelly, J.H. 1-37092
- Brown, D.E.** *see* Rungis, J. 1-34358
- Brown, D.J.** Switching scheme matches supply to mains 1-27253
- Brown, D.K.** *see* Av-Ron, M. 1-50974
- Brown, D.P.** Cryogenic systems for large superconducting accelerators/storage rings 1-43098
- Brown, D.P.** A new method of inhomogeneous ladder network synthesis 1-45200
- Brown, D.P.** *see* Schneider, W.J. 1-42829
- Brown, D.R.** *see* McQuaid, J.H. 1-34547
- Brown, D.S.** The development of a hermetic integral 1-27727
- Brown, D.W.** A state-machine synthesizer—SMS 1-45420
- Brown, E.P.M.** *see* Sirisena, H.R. 1-30702
- Brown, E.R.** Byte-wide magnetic bubble memory interfacing 1-28273
- Brown, E.R., Caswell, R.J., Tomkins, J.W.** The use of semi-custom integrated circuits in the realisation of digital subsystems 1-50525
- Brown, E.R.** *see* Birch, M.J. 1-40831
- Brown, G., McCloskey, C.** Chlorine enhancer boosts plant efficiency with decreased chlorine use 1-38843
- Brown, G.** *see* Buckley, D. 1-45102
- Brown, G.** *see* Winick, H. 1-38348
- Brown, G.C.** *see* Boundy, A.W. 1-49930
- Brown, G.S., Stanley, H.R., Roy, N.A.** The wind-speed measurement capability of spaceborne radar altimeters 1-38594
- Brown, G.T.** *see* Cockayne, B. 1-27097, 1-27846, 1-39752
- Brown, H., Brown, R., Chimenti, L., Glenn, J.W., Hulliger, R., Jablonski, E., Jahelka, J., Lowenstein, D., Marascia, R., Pendzick, A., Repeta, L., Sandberg, J., Soukas, A., Walker, W., Weisberg, H., Witkovar, R., Yamin, P.** The new AGS slow external beam switchyard 1-48364
- Brown, H.B.** Holographic television techniques 1-28811
- Brown, I.D., Wastell, D.G., Tredre, B., Copeman, A.K., Collins, J.** The human factor: a mix of quality, efficiency [telephone exchanges] 1-47450
- Brown, J.C.** *see* Ungrin, J. 1-48431
- Brown, J.E.** The simulation of the effects of variable pitch in an induction motor winding of fixed pitch 1-53457
- Brown, J.E.** *see* Bishop, H.W. 1-49480
- Brown, J.H.** *see* Barnhill, R.E. 1-35898
- Brown, J.H.U.** Telecommunications—a system for total health care 1-34552
- Brown, J.I.** Toroids go full circle in 150 years 1-50646
- Brown, J.M.** A variety of approaches to the testing of microprocessor products 1-40072
- Brown, J.** *see* Reese Brown, J.
- Brown, K.C.** How to determine the cost-effectiveness of solar-energy projects 1-44006
- Brown, K.E.** 12 GHz broadcast-satellite planning in region 2 1-47576
- Brown, K.L., Servranckx, R.V.** Chromatic corrections for large storage rings 1-48501
- Brown, K.L., Spencer, J.E.** Nonlinear optics for the final focus of the single-pass-collider 1-43025
- Brown, K.L.** *see* Peterson, J.M. 1-48385
- Brown, K.L.** *see* Richter, B. 1-42876
- Brown, K.R.** *see* Cohen, A.O. 1-51851
- Brown, L.M., Fathy, D.** Electron-irradiation studies of p-n junctions in silicon bipolar transistors 1-32805
- Brown, M.R.** Electrics and electronics—the connecting interface 1-37029
- Brown, P.** Reed relay reliability assured by dynamic contact testing 1-40279
- Brown, P.** Protecting against computer failure: an engineer's viewpoint 1-44650
- Brown, P., Frischolz, H., Geschonke, G., Henke, H., Wilson, I.** Development and first results with a storage resonator enhancing the shunt impedance of an electron accelerating cavity 1-43051
- Brown, P.H., Vernon, G.W.** The design and performance of an ultrasonic image converter tube with a plastic faceplate and sensor 1-34729
- Brown, R.** Ceramic RF power monolithic capacitors 1-32419
- Brown, R.** Ceramic RF power monolithic capacitors 1-36360
- Brown, R.** *see* Austin, B. 1-42891
- Brown, R.** *see* Autin, B. 1-52643
- Brown, R.** *see* Brown, H. 1-48364
- Brown, R.** *see* Geise, P. 1-26902, 1-27694
- Brown, R.A., Cloyd, J.S.** Nickel-zinc batteries for aircraft and aerospace applications 1-30523
- Brown, R.D., Grisham, D.L.** Design and operation water-cooled pyrolytic graphite targets at LAMPF 1-48553
- Brown, R.G.** *see* Girgis, A.A. 1-53131
- Brown, R.** *see* Grover Brown, R.
- Brown, R.L.** *see* Martin, J.A. 1-42895
- Brown, R.T.** Developments in mining cables 1-43708
- Brown, T.G.** Three-dimensional ultrasound scanning 1-43331
- Brown, T.J.** Image processing hardware and software for the 90-element pushbroom infrared charge-coupled device/multiplexer (IR/CCD/MUX) field test instrument 1-41689
- Brown, W.** *see* Davis, G. 1-39329
- Brown, W.C.** The solar power satellite as a source of base load electrical power 1-43543
- Brown, W.C.** Status of the microwave power transmission components for the solar power satellite (SPS) 1-49363
- Brown, W.D.** *see* Butler, J.L. 1-52965, 1-52967
- Brown, W.D.** *see* Sexton, F.W. 1-50281
- Brown, W.L.** Superfast annealing—Application of laser and electron-beam annealing portends three-dimensional ICs and economical photoelectric cells 1-41172
- Brown, W.W., Jr., Wurms, C.** Source vapor distribution baffle for vacuum systems 1-27144
- Brownback, D.E.** *see* Brecke, R.A. 1-27338
- Browne, P.E., Gould, M.C.** Development of engineers in an environment of accelerating technological change and industrial growth 1-26808
- Brownell** *see* Burnham, C. 1-34580
- Browning, D.J., Adatia, N.A., Rudge, A.W.** An aperture phase compensation technique for off-axis beam synthesis in parabolic reflector antennas 1-41356
- Browning, R.** *see* Hakjowicz, L.A. 1-46883
- Browning, T.I.** *see* Moule, G.L. 1-36769
- Brownlow, D.L.** *see* DiMarcello, F.V. 1-36900
- Brownlow, D.L.** *see* Nagel, S.R. 1-36938
- Brozek, R.J.** *see* Franco, A. 1-53342
- Brozel, M.R., Tuck, B., Foulkes, E.J.** Diffusion of transition elements in GaAs and InP 1-46052
- Brozici, M.** *see* Berbec, C. 1-31000
- Bru, C.** *see* Laval, S. 1-51259
- Brubaker, J., Boyacigiller, Z., Bradshaw, P.** 14-bit DAC mates with  $\mu$ Ps, settles in less than 1  $\mu$ s 1-36306
- Brubaker, T.A.** Objectives and progress of the DISEM project 1-31788
- Brubaker, T.A.** A two semester core curriculum in microprocessor based measurements 1-31789
- Brubaker, T.A.** *see* Bullis, D.C. 1-33615
- Bruce, C.A., Polleys, R.W.** Liquid lubricant for flexible magnetic recording tape 1-46410
- Bruce, C.F.** *see* Ciddor, P.E. 1-46687
- Bruce, M.A.** Evolution of electric drive trucks 1-31531
- Bruck, V.L.** *see* Ado, Yu.M. 1-48457
- Brucker, C.F., Brillson, L.J.** New method for control of Schottky-barrier height 1-50821
- Brucker, C.F.** *see* Brillson, L.J. 1-27864
- Bruckner, H., Hennecke, D., Mehlhorn, H.** Soldering by means of light beams on small components 1-49841
- Bruckner, W.** *see* Ufert, K.D. 1-27834
- Bruckshaw, J.** *see* Oh, S. 1-43155
- Brucoli, M., Maione, M., Torelli, F.** Design of synchronous generator excitation controller specifying a priori improved stability limits on the P-Q plane 1-53404
- Brudnyi, B.P.** *see* Gromov, V.S. 1-31709
- Bruel, M., Floccari, M., Gaillard, J.P.** Recoil implantation of antimony in silicon 1-36558
- Bruel, M.** *see* Campisano, S.U. 1-32604
- Bruer, G.G., Protsailo, M.Ya., Malyutina, A.A., Goreva, G.S., Matvienko, V.S.** An investigation of the Irsha-Borodino coals supplied to thermal power stations 1-49282
- Bruet, B.** A corrected-gradient method that makes gradient optimization algorithms invariant to any nonlinear scaling 1-35832
- Bruggemann, H.** *see* Wichmann, H. 1-49122
- Brugger, U.W., von Grunigen, D.C., Moschytz, G.S.** A comprehensive procedure for the design of cascaded switched-capacitor filters 1-45469
- Brugia, O., Campanini, G., Pietroiusti, R., Wolfowicz, W.** Average power of digital signals to the output of line coders 1-47204
- Brugiss, S.** *see* Hoffman, E.J. 1-34578
- Bruggis, S.G., Bodenheimer, R.E., Bingham, B.V., Hoffman, E.J.** Physiological and real-time gating of data for positron emission computed tomography 1-34581
- Bruininga, R.A.** *see* Weispfenning, H. 1-29683
- Bruinsma, P.J.T., Heine, E., Spelt, J.B.** Performance of the MEA solid-state high duty factor modulator 1-43063
- Bruinsma, P.J.T., Spelt, J.B., Bouwknegt, K.** A low cost high resolution DAC system for magnet control 1-42969
- Bruinsma, P.J.T., Subrata, T., Visser, A.T.** A novel power supply for high duty factor kicker magnets 1-48387
- Bruinsma, P.J.T.** *see* Maaskant, A. 1-42809
- Brumell, F.R.** *see* Rauchas, A.V. 1-42962
- Brumelle, S.** Duality for multiple objective convex programs 1-44999
- Brummer, P., Collins, M., Jirden, L.** The continuing development of the SPS computer control system 1-48321
- Brummer, S.B., Koch, V.R., Rauh, R.D.** The recharging of the lithium electrode in organic electrolytes 1-44334
- Brumwell, F.R.** *see* Potts, C.W. 1-43173
- Brumwell, F.R.** *see* Rauchas, A.V. 1-42959
- Brun, L., Mangin, J.P.** Extension of finite or infinite domains of a Poincare formula 1-45038
- Bruncke, W.C.** *see* Kang, S.D. 1-27472
- Brundage, E.** *see* Tricoles, G. 1-28807
- Bruneau, A.M.** Radiation from a loudspeaker with a conical diaphragm 1-42452
- Bruner, G.** Space Shuttle and Spacelab 1-52824
- Brunet, M.** *see* Val, M. 1-30946
- Brunin, A.** *see* Beranger, H. 1-27404
- Bruning, J.H.** *see* Watts, R.K. 1-40667
- Brunk, G.** Thermodynamic properties of the Josephson superconducting tunnel junction and related consequences for equilibrium fluctuations 1-28357
- Brunk, G., Lubbig, H.** Thermal noise generated by quantum phase relaxations in Josephson tunnel junctions 1-28355
- Brunk, J.** *see* Hasibar, R.M. 1-34946, 1-39081
- Brunkhorst, J., Christiansen, W., Glauss, M., Schumacher, W., Spiesmacher, N.** A frequency counter for incorporation into an oscilloscope 1-48138
- Brunne, M.** *see* Vedenev, A.A. 1-33172
- Brunnengraber, H., Feldmann, D.** Test system requirements for screening discrete and integrated power devices 1-45796
- Brunner, H., Norsett, S.P.** Superconvergence of collocation methods for Volterra and Abel integral equations of the second kind 1-32042
- Brunnschweiler, A.** *see* Abbasi, S.A. 1-27990, 1-45900
- Brunstrom, G.** Are we about to move away from standardization of our light sources which earlier was the goal? 1-39204
- Brunstrom, G.** Thorn introduces brand new light source with interesting armature program 1-39205
- Bruno, C., Camarcat, N., Cortella, J., Patou, C., Tournier, B.** Pulsed neutron source from the intense particle beam generator 'THALIE' 1-52663
- Bruns, L.E., Kay, M.A.** Comparison of borehole neutron activation systems for direct assay of plutonium 1-34690
- Brunsmann, M.D.** *see* Dodson, D.J. 1-36777
- Brunt, P.** *see* Stephens, W.H. 1-53689
- Brunt, R.J.** *see* van see Brunt, R.J.
- Brunwin, R.F., Hamilton, B., Hodgkinson, J., Peaker, A.R., Dean, P.J.** Deep states in transition metal diffused gallium phosphide 1-32642
- Brusaglino, G., De Luca, S., Marchetto, M.** Technologies of the electric vehicle 1-39158
- Bruscaglioni, P., Milloni, G., Zaccanti, G.** Multiple scattering contribution to Lidar returns from non-homogeneous fogs 1-37319
- Bruschi, L., Storti, R., Torzo, G.** High-stability function generator 1-36144
- Brusentsov, L.V.** Practical determination of characteristics of group rated loads 1-34853
- Brusin, I.Ya., Vlasova, T.G., Gel'fer, E.I., Zverev, V.A., Krasnyanskii, A.D., Finkel'shtein, S.E.** Frequency scanning method in radiovision 1-37961
- Brussaard, G., Laloux, A.** Prediction of 11 and 14 GHz rain attenuation on satellite-Earth paths using passive radiometers 1-46917
- Brussaard, G.** *see* Van Schingen, M. 1-46908
- Brunton, L.T., Haslett, J.W., Rao, M.K.N.** High-frequency GIC filters using integrated transconductance-type active devices 1-45483
- Brunton, L.T., Khan, R.H., Csanyi-Fritz, G.** A high-quality digital filter instrument 1-45525
- Brunton, L.T.** *see* Turner, L.E. 1-45554
- Bruyere, J.C.** *see* Toulemonde, M. 1-50868
- Bruyn Kops, P.** *see* de see Bruyn Kops, P.
- Bruynseraede, Y.** *see* Van den Dries, L. 1-28328
- Bruzzese, R.** *see* Annaratone, B. 1-28302
- Bruzzone, F.** *see* Jones, I.S.F. 1-52945
- Bry, K.** *see* Grenier, Y. 1-41599
- Bryan, H.** Current for London carried by canal 1-43711
- Bryan, J.K.** *see* Queen, G.W. 1-39731
- Bryan, P.J.** *see* Haaga, J.R. 1-34612
- Bryanston-Cross, P.J., Lang, T., Oldfield, M.L.G., Norton, R.J.G.** Interferometric measurements in a turbine cascade using image-plane holography 1-34403

- Bryant, F.J., Staudte, D.M. Low-resistance, long-life contacts by laser-annealing of silver-implanted p-type PbTe 1-40455
- Bryant, F.J., Verity, D. Bound-to-bound and bound-to-free yellow emission of ion-implanted zinc telluride 1-45933
- Bryant, F.J. *see* Verity, D. 1-27811
- Bryant, F.J. *see* Yu Jiaqi 1-27798
- Bryant, F.J. *see* Zhong, G.Z. 1-37021
- Bryant, G.W., Schmid, A. Contribution of spherical aberrations to the vestige structure induced by laser damage 1-41130
- Bryant, J.A. *see* Price, T.W. 1-31593
- Bryant, P.R. *see* Latif, M. 1-46122
- Bryant, R.E. MOSSIM: a switch-level simulator for MOS LSI 1-46337
- Bryant, T.G. *see* Waldman, J. 1-47724
- Bryant, W.A. *see* Demczyk, B.G. 1-31417
- Bryde, T. *see* Thommesen, I. 1-47345
- Brylin, B.F. *see* Denisov, V.M. 1-30406
- Bryman, D. *see* Hargrove, C.K. 1-43237
- Bryndza, J. A selective differential protection for transformers and motors 1-44136
- Brynskii, E.A., Danilevich, Ya.B., Zhuravleva, T.E., Rozenfeld, L.M., Smolin, I.M. Investigation of thermal bridge assembly for rotor of superconducting turbogenerator 1-35132
- Bryskiewicz, T. Electroepitaxy of  $A^{II}B^{IV}$  compounds and its application to optoelectronic devices technology 1-50786
- Bryskiewicz, T., Mazuruk, K. Electroepitaxy from a limited solution volume 1-50302
- Bryson, W. *see* Farmwald, P.M. 1-41709
- Bryson, W.B. Antenna systems and transmitter combiners. III 1-33932
- Brzezinska, D. *see* Baykowski, J. 1-28088
- Brzezinski, A., Cieslinska, A., Taras, E. Pentacenta 1000 C local telephone exchange operation 1-29576
- Brzezinski, A., Cieslinska, A., Taras, E. Pentacenta 1000 C local telephone exchange operation 1-29551
- Brzobohaty, J., Pospisil, J. Transforming linear two-ports into transposition four-ports 1-45213
- Brzozowska, M. *see* Horak, J. 1-49065
- Bube, K.R., Kapur, V.K., Gay, C.F., Lewis, K.J. Thick-film metallization for solar cells—a progress report 1-49673
- Bubenko, J.A., Sr. *see* Ahlborn, G. 1-49021
- Bubenko, J.A., Sr. *see* Mattsson, C. 1-44636
- Bubennikov, A.N. A model of the distributed base resistance of a transistor with strip emitter 1-36605
- Buber, V.B., Mikhailov, M.V. Magnetic field measurement in a penetrating-radiation flux 1-38282
- Bublewicz, P. Essential parameters of delta modulation 1-37403
- Bubnov, M.M. *see* Andreev, A.Ts. 1-28478
- Bubnov, M.M. *see* Belanov, A.S. 1-51206
- Bucaro, J.A. *see* Cole, J.H. 1-36985
- Bucaro, J.A. *see* Giallorenzi, T.G. 1-42610
- Bucaro, J.A. *see* Jarzynski, J. 1-43446
- Bucaro, J.A. *see* Lagakos, N. 1-46488, 1-51152, 1-51189
- Bucci, B., Ciccotti, M., Laschi, R., Lolli, M. Distributed control for electronic switching systems 1-29553
- Bucci, B., Ciccotti, M., Laschi, R., Lolli, M. Distributed control for electronic switching systems 1-42086
- Bucci, O.M., Franceschetti, G., Pierri, R. Reflector antenna fields—an exact aperture-like approach 1-47010
- Bucciarelli, T., Picardi, G. A Doppler estimation circuit for an adaptive MTI in the presence of a coded waveform in a tracking radar 1-34012
- Buchanan, D.N.E. *see* Bates, C.W., Jr. 1-27749
- Buchanan, J.T. Generalized allocation problem in building design. I. Formulation 1-44984
- Buchanov, V.V. *see* Arlantsev, S.V. 1-37078
- Buchholz, W. *see* Foote, A. 1-52865
- Buchin, A.V., Indzhia, F.I., Karbukov, O.E., Krupitskii, E.I., Morozov, S.V., Sergeenko, T.N., Tsvetov, E.R., Yakovlev, V.I. Holographic recording of radio signal spectra using a reference beam frequency modulated signal 1-41153
- Buchin, A.V., Morozov, S.V., Sergeenko, T.N., Yakovlev, V.I. Limitation to speed of analysis in acoustooptical analysers 1-40980
- Buchis, S.V. *see* Vasilenko, G.V. 1-49275
- Buchmann, E. Earthing problems with distribution cables 1-30796
- Buchmann, T. *see* Ebert, W. 1-34046
- Buchmeier, W. *see* Berger, G. 1-53859
- Buchner, K. The ENSAD local telephone exchange, OZ 1000 1-42054
- Buchner, P. Operating mode of absorber circuits in networks with inverter-network reactions 1-34927
- Buchoff, L., Kalb, W.J. Elastomeric connectors meet big demands in microelectronic sizes 1-45749
- Buchoff, L. *see* Wearden, T. 1-27675
- Buchs, J.D. TV and radio programmes from space? 1-33945
- Buchs, J.-D. Satellites for sound and TV broadcasting from space 1-42192
- Buck, E. Multimode travelling-wave amplifier tubes 1-32559
- Buck, F.De. *see* De Buck, F.
- Buckbee, J.A. *see* Dallos, A. 1-40361
- Bucken, H. Non-contact mechanical measurements 1-48233
- Buckingham, K.A., Belling, J.W. Aspects of the development of dielectrics for radio frequency submarine telephone cables 1-28143
- Bucklein, R. The audibility of frequency response irregularities 1-29135
- Bucklen, W., Eldon, J., Schirm, L., Williams, F. Understanding the fundamentals eases signal-processing tasks 1-41632
- Bucklen, W., Eldon, J., Schirm, L., Williams, F. Designer's guide to digital signal processing. V. Digital correlators illustrate DSP trends 1-45369
- Bucklen, W., Eldon, J., Schirm, L., Williams, F. Digital signal processing. IV. DACs and multi-function chips enhance your DSP options 1-50598
- Buckler, M.J. Optimization of concatenated fiber bandwidth via differential mode delay 1-28499
- Bucklew, J.A. Companding and random quantization in several dimensions 1-37483
- Buckley, D., Brown, G., Belli, F. Vacuum deposition of amorphous selenium on polymeric substrates. III. Static-dynamic coating relationship 1-45102
- Buckley, F. A Ramsey property for graph invariants 1-39584
- Buckley, G.W. *see* Schlake, R.L. 1-44043
- Buckley, J.J. *see* Kvanli, A.H. 1-35861
- Buckley, K.M., Rao, S. A comparison of adaptive gradient and adaptive least-squares algorithms 1-37612
- Buckley, R., Coyne, R., Russo, J. Considerations in maintaining commercial ATE test instruments 1-35621
- Buckley, R.W. *see* Britton, A. 1-35356
- Buckley, W.D., Eisenberg, M.P., Hughes, G.P., Kittell, D.H., Kreuzer, J.L. An X-ray lithography alignment system 1-40317
- Buckley, W.D., Hughes, G.P. An X-ray lithography system 1-40316
- Buckley, W.D., Nester, J.F., Windischmann, H. X-ray lithography mask technology 1-46044
- Buckroyd, H. *see* Fullwood, L. 1-27702
- Bucksbaum, A.M. Microwave oven door seal characteristics 1-49820
- Bucksch, R. Eigenfrequencies of overhead-contact catenaries 1-30775
- Buckwitz, M.D. *see* Prime, J.B., Jr. 1-49116
- Bucy, R.S., Moura, J.M.F., Malinckrodt, A.J. Entropy and absolute phase demodulation 1-33476
- Buczek, K. Control system for thyristor solid-state inverters 1-32178
- Buda, R.de. *see* de Buda, R.
- Budak, A. *see* Geiger, R.L. 1-45468
- Budarnykh, V.I., Krasnov, V.F. Impurity scattering of hot electrons in the space-charge regions of hole semiconductors 1-27774
- Budarnykh, V.I., Krasnov, V.F., Ryabchenko, V.E. Photoemission properties of P-GaAs:Cs, O films produced by the molecular epitaxy method 1-27748
- Budarnykh, V.I., Logvinovskii, L.M., Nesterikhin, Yu.E., Ostapovskii, L.M., Ryabchenko, V.E., Tsukerman, V.G. Development of a technological variant of an automated system for molecular beam epitaxy 1-27106
- Budde, D.L., Colley, S.R., Goodman, A.L., Howard, J.D. The 32b computer execution unit 1-32313
- Budde, W. *see* Priu, J. 1-51262
- Budek, J. Microelectronics for lighting control 1-44471
- Budelman, G. *see* Little, D. 1-37739
- Budig, P.-K. Results of measurements with the single-phase Wanlass-Motor 1-35161
- Budin, J. Effect of the polarization squirt of small horn antennas 1-41330
- Budinger, T.F. *see* Derenzo, S.E. 1-34575
- Budinich, M. *see* Amendola, S.R. 1-43238
- Budinsky, J. Solar roof tiles for electric current generation 1-44371
- Budisan, N. Automatic conversion system of wind motor mechanical power into electrical power 1-49376
- Bud'ko, O.A. *see* Baranov, B.K. 1-31571
- Budnyatskii, D.M. *see* Vodichev, V.I. 1-30909
- Budreau, A.J. SAW based direct frequency synthesizers 1-46373
- Budzan, B.P., Maksimovich, B.I., Kasatkin, O.G. Optimising the conditions for hardfacing internal combustion engine valves with heating by induction 1-49834
- Budziak, A. *see* Kalimov, A.G. 1-48628
- Budzynski, T. *see* Baykowski, J. 1-28088
- Buehler, M.G., Linholm, L.W. Toward a standard test chip methodology for reliable, custom integrated circuits 1-40681
- Buell, H. Doppler radar systems for helicopters 1-37983
- Buene, L. *see* Draper, C.W. 1-37193
- Bueren, J.van. *see* van Bueren, J.
- Bugaets, A.A. *see* Tsaryuk, A.K. 1-49835
- Bugaev, A.A., Zakharchenya, B.P., Chudnovski, F.A. Self-synchronisation of modes using a mirror, as the modulator, undergoing a metal-semiconductor transition 1-46766
- Bugaev, G.A. Selection of optimal parameters for pole shield of AC electromagnets using a voltage coil 1-28860
- Bugayev, V.Ya. An investigation of high-gain regenerative reflex amplifiers, operating in maximum incremental power mode 1-27619
- Bugayeva, L.N. *see* Statyukha, G.A. 1-39630
- Bugdayci, N., Bogy, D.B. A two-dimensional theory for piezoelectric layers used in electro-mechanical transducers. I. Derivation 1-51062
- Bugdayci, N., Bogy, D.B. A two-dimensional theory for piezoelectric layers used in electro-mechanical transducers. II. Applications 1-51063
- Bugely, F.L., Osborne, I.F., Owen, G., Schudy, R.B. Calibration of the HP electron beam lithography system 1-50968
- Bugler, J.W. A solar energy course for undergraduate engineers 1-26813
- Bugrovskiy, V.V. *see* Bel'giy, V.V. 1-38826
- Bugyanis, S.A. *see* Chesonis, V.I. 1-31257
- Buhay, H. *see* Tsung-Yuan Hsu 1-45968
- Buhl, D. *see* Chin, G. 1-29826
- Buhl, L.L. *see* Alferness, R.C. 1-33077, 1-36918, 1-36920, 1-36973, 1-51242
- Buhl, L.L. *see* Economou, N.P. 1-28529
- Buhler, H.-E., Herget, C., Velicescu, M. Microprobe and TEM investigations into samarium-cobalt magnets of the 1-7 type 1-28219
- Buhler, O.R., Giraudo, A.E. Nonvolatile CMOS storage power failure protection circuit 1-28110
- Buhling, D. *see* Ufert, K.D. 1-27834
- Buholz, N.E. Selected five-color operation of a CO<sub>2</sub> laser 1-37069
- Buholz, N.E. *see* Anderson, R.H. 1-46816
- Buhss, U. *see* Wachler, K. 1-42449
- Bui, T.D. Solving stiff differential equations for simulation 1-45057
- Bui, T.D., Poon, S.W.H. On the computational aspects of Rosenbrock procedures with built-in error estimates for stiff systems 1-45011
- Builtjes, P.J.H. Wind availability in the Netherlands 1-49377
- Buitenhuys, G.H., van Oers, T. Project management for innovative developments 1-39330
- Buim, A. Weighted projective spaces and ample divisors 1-39472
- Buja, G. *see* Aimo, G. 1-53717
- Bujas, A. *see* Galwas, B. 1-45313
- Bujatti, M., Marcelja, F. Characterisation of ion-implanted layers for GaAs FETs 1-36625
- Bujko, J., Hejnowicz, G., Styczynski, Z. Automatic design of electric distribution networks and devices for industry works 1-53080
- Bujko, J., Styczynski, Z. Developing the configuration of an industrial power supply network by means of a dialogue between the designer and an electronic data processor 1-43607
- Bukatova, I.L., Elinson, M.I. Contemporary control systems and the problems of microelectronics 1-50518
- Bukhalo, O.P., Drabich, P.P., Storchai, V.P., Fedoriv, R.F. A random pulse generator with controlled moments 1-36147
- Bukhari, A.R.S., Yamakoshi, K., Toyoshima, T., Togawa, T., Ito, H. Three-channel telemetry system for monitoring e.g. cardiac output, rate of respiration and basal transthoracic admittance 1-43311
- Bukhtiarova, T.V. *see* Aleksandrov, I.V. 1-28475
- Buki, A.A. The surfacing of components with an open arc using high-carbon electrodes 1-35542
- Buklei, A.E., Govorun, N.N., Zhurkin, V.V., Ivanchenko, I.M., Kanavets, V.P., Karpenko, N.N., Kondrat'ev, L.N., Levintov, I.I., Martynov, V.I., Mikhailov, O.E., Morozov, B.V., Nesterov, V.M., Pershin, I.I., Pomelov, N.N., Polyakova, L.M., Ryl'tsov, V.V., Cherkalina, T.S. Equipment and computer software for experiment on scattering of polarized protons from hydrogen and nuclei 1-30325
- Bukunov, V.S., Pugacheva, M.I. Modernization of the electrical circuit of diesel train D1 1-53731
- Bul, B.K. *see* Alymkulov, K.A. 1-31330
- Bul, B.K. *see* Baukov, N.A. 1-35172
- Bul, E.S. Implementation of switching functions by a network of programmable logic arrays 1-32242
- Bula, J. Welding using industrial robots 1-53813
- Bula, J., Gray, K.S. Input buffer circuit 1-50583
- Bulabois, J. *see* Courjon, D. 1-28797, 1-37229
- Bulackinski, A., Stolarski, E. Measurement of operating parameters of an integrated speed regulator TDA 1003 1-49640
- Bulajic, R. Research of nonlinear circuit of three-phase disymmetrical arched furnace for steel manufacturing 1-49803
- Bulanda, G.I., Golovin, E.S. The efficiency of analog companding in peripheral radio communications systems 1-42201

- Bulang**, W. Vapour compression-seawater desalination with low energy consumption 1-44574
- Bulat**, V. *see* Ryff, P.F. 1-35237, 1-44489
- Bulat**, V.A. *see* Gerasimovich, A.N. 1-35269
- Bulatov**, M.G., Sharkov, Ye.A., Chernyy, I.V. Interference between the noise signals of arbitrary spectral shape 1-38283
- Bulaty**, P. Network impedance measurements for power system protection 1-38827
- Bulavskii**, V.A. Quasi-linear programming and vectorial optimization 1-35828
- Bulcke**, F. Magnetic bubble memory—the device with a future 1-32982
- Buldakov**, V.M. *see* Belen'kii, M.S. 1-51626
- Buldini**, P.L., Zini, Q., Ferri, D. Anodic oxidation of polysilicon 1-40515
- Bulent Cambel**, A. *see* Bezdek, R.H. 1-53315
- Bulent Cambel**, A. *see* Frantz, C.C. 1-53622
- Bulgakov**, Y.V., Kolomenskaya, T.I., Kuznetsov, N.V., Shulga, V.I., Zaritskaya, V.A. The nature and distribution of radiation-induced defects in silicon along the range of protons and alpha particles 1-50767
- Bulger**, G.A., Heck, L.D., Unger, B.A., Shepherd, L.D. The STIC technology—a monolithic approach for combining tantalum and silicon technologies 1-46274
- Bulinski**, A., Densley, J. The impulse characteristics of electrical insulation operating at cryogenic temperatures 1-28171
- Bulinski**, A., Densley, J., Sudarshan, T.S. The ageing of electrical insulation at cryogenic temperatures 1-28170
- Bulinski**, A., Densley, R.J. The voltage breakdown characteristics of miniature XLPE cables containing water trees 1-53095
- Bulinski**, A., Densley, R.J., Lincez, D. The surge characteristics of electrical insulation operating at cryogenic temperatures 1-28177
- Buljanovic**, M. The propagation test on the Hekpoort-Thabazimbi radio path 1-41248
- Bull**, D.A., Jackson, G.A., Smithers, B.W. RF resistivity and screening characteristics of CFC materials 1-32093
- Bull**, D.J. *see* Prince, F.C. 1-37103
- Bull**, J.H. Guide to reduction of susceptibility of instrumentation to radio frequency fields 1-52331
- Bull-Hansen**, S. Which one? [oscilloscope survey] 1-42647
- Bullard**, R.J. Commissioning the HST air conditioning equipment 1-31568
- Bullen**, A.A., Lawrence, D.J. Certified luminaires will appear in Spring [emergency lighting] 1-31638
- Buller**, M.L., Ward, W.C. Dendritic heat sink 1-44704
- Bullis**, D.C., Brubaker, T.A. An algorithm for estimation of parametric filter functions 1-33615
- Bullis**, W.M. *see* Larrabee, R.D. 1-40388
- Bulloch**, C. Satellite operation for profit 1-33942
- Bulloch**, C. Electronic displays and computerized NAV systems for commuters and business aircraft 1-52873
- Bullock**, D.C. *see* Chen, C.T. 1-46451
- Bullock**, D.C. *see* Guldri, R.L. 1-32985
- Bullus**, P.B. Trimmer potentiometers 1-32409
- Bulmer**, C.H., Moeller, R.P. Fiber-coupled phase-shifter for use in optical gyroscopes 1-36958
- Bulmer**, C.H., Sheem, S.K., Moeller, R.P., Burns, W.K. Fabrication of flip-chip optical couplers between single-mode fibers and LiNbO<sub>3</sub> channel waveguides 1-46555
- Bulochkin**, G.I., Gritsenko, V.I., Shurupov, A.A. Self-excitation of asynchronous electromechanical frequency converters in a power system 1-43508
- Bulpitt**, W.S. *see* Dixit, B.S. 1-31155
- Bulst**, W.E. *see* Stocker, H.R. 1-36796
- Bultitude**, R.J.C., Chudobiak, W.J. A dipole detuning technique for proximity and thickness measurements 1-48231
- Bulychev**, V.V. *see* Borovskikh, L.P. 1-27236
- Bulygina**, T.I. *see* Spichenko, V.K. 1-32980
- Bumbaugh**, M., Rattner, S. A method to assess the combined effects of neutrons and low temperature on transistor circuits 1-45250
- Bumby**, R.T. A problem with telephones 1-39566
- Bundell**, G.A. Laser-radar signature-processing system 1-47746
- Bundschuh**, W. *see* Maischein, B. 1-48249
- Buneev**, M.K., Tyurin, A.S. The welding of a bimetallic rotor 1-53829
- Bungard**, J.R. *see* Mann, D.M. 1-42035
- Bungay**, E.W. Developments in mining cables 1-38760
- Bunina**, N.S. *see* Andrikanis, L.I. 1-37267
- Bunk**, P.B. *see* ten Kate, H.H.J. 1-44184
- Bunke**, H. A note on parameter estimation in inadequate nonlinear regression models 1-50162
- Bunkenberg**, J., Boles, J., Brown, D.C., Eastman, J., Hoose, J., Hopkins, R., Iwan, L., Jacobs, S.D., Kelly, J.H., Kumpan, S., Letzring, S., Lonobile, D., Lund, L.D., Mourou, G., Refermat, S., Seka, W., Soures, J.M., Walsh, K. The Omega high-power phosphate-glass system: design and performance 1-51410
- Bunker**, B. *see* Georgopoulos, P. 1-34540
- Bunkin**, S.B., Konev, Yu.B. Characteristics of unstable resonators with field distortions in their components. I. Cylindrical mirrors 1-37184
- Bunkin**, S.B., Konev, Yu.V. Characteristics of unstable resonators with field distortions in their components. II. Spherical mirrors 1-37185
- Bunkina**, M.V., Morozov, M.V., Firsov, K.N. Possibility of using vibrational-translational relaxation in an amplifying medium for wavefront reversal 1-28784
- Bunks**, C. *see* Preis, D. 1-41773, 1-50571
- Bunn**, D.W. Special effects in the online forecasting of electricity loads 1-48934
- Bunney**, R. Simple UHF preamplifier 1-32214
- Bunyak**, A.M., Koval'chuk, V.P., Lupenko, A.N. Frequency-voltage converter 1-50602
- Buonanno**, F. *see* Correia, J.A. 1-34573
- Buongiovanni**, C. *see* Antoniazzi, P. 1-29953
- Bur**, A.J., Tsao, A.K. Depolarization of poled PVF<sub>2</sub> samples with 'thick' electrodes 1-51047
- Bura**, P. 70 MHz to 6 GHz FET up-converter 1-40174
- Burah**, L. *see* Popescu, G. 1-31504
- Burakov**, V.S. *see* Batishche, S.A. 1-33282, 1-46788
- Burakovskiy**, A.Z. *see* Bleikhman, V.S. 1-47220
- Burbea**, J. The Bergman projection over plane regions 1-39563
- Burbridge**, L. *see* Hine, D. 1-48071
- Burcat**, A. *see* Hasson, A. 1-30065
- Burcea**, T., Chivulescu, C. Optimal selection of the B and J specific stresses, and optimal geometrical size of the DC inductances in view of achieving the smallest effective volume 1-53522
- Burch**, D.F. *see* Cramer, J.G. 1-48325
- Burchett**, R.C. *see* Allan, R.N. 1-43633
- Burchiani**, A., Rinaldi, M. Experimental research on the limits of the employment of the methods based on the elaboration of the electrical input signals in the determination of the torque-speed curves of the asynchronous motors 1-53455
- Burckardt**, K.H. Timing disk-controlled print head in electroerosion printer 1-45564
- Burdakin**, W.P. Electrical maintenance and infrared thermography 1-35624
- Burde**, W., Wiechmann, D. Electrical energy distribution in industrial installations 1-43653
- Burdick**, E. What to do when the seat of your pants wears out—the formalization of the VLSI design process 1-46258
- Burdick**, R.D., Holley, B.R., Mendel, E. Single-step wafer processing 1-32765
- Burdick**, S. *see* Jaworowski, A.E. 1-45902
- Burdzeyko**, B.P., Shakhgil'dyan, V.V. Stationary and periodic modes in cyclic random walk models of the simplest digital phase-lock loop system 1-32237
- Burek**, E.A. Irradiated poly (vinyl chloride) insulated wire used in telephone equipment 1-32452
- Burek**, R.K. *see* Lew, A.L. 1-33963
- Buren**, A.L. *see* Van der Buren, A.L.
- Bures**, C. *see* Hirschhorn, S.S. 1-45418
- Burg**, L.D.B. *see* van der Burg, L.D.B.
- Burgassi**, M., Caldarella, R., Casella, L., Corsi, N., Corte, C., Musumeci, L., Piredda, A. ACP: an adapting and concentrating equipment for character and packet mode terminals 1-47417
- Burgassi**, M. *see* Bonaventura, V. 1-47415, 1-51954
- Burgassi**, M. *see* Boreggi, C. 1-47453, 1-51981
- Burge**, L.L., Jr. Efficient coding of the prediction residual 1-41564
- Burgeat**, J., Quillec, M., Primot, J., Le Roux, G., Launois, H. Observation of stepwise variations of the lattice parameter on Ga<sub>2</sub>In<sub>1-x</sub>As<sub>3</sub>P<sub>1-y</sub> layers grown by liquid phase epitaxy on (100) Inp 1-32057
- Burgel**, K., Oeding, D., Zimmermann, W.S. Urban medium and low voltage distribution networks 1-30734
- Burgelman**, M., Pauwels, H.J. Theoretical advantages of pn<sup>+</sup>-type Cu<sub>2</sub>S-ZnO solar cell 1-31450
- Burgemeister**, E.A., Rosenberg, H.M. Leached 'Synthite' (sintered diamond) as a heat sink material 1-39732
- Burger**, I., Michalek, J., Ruttkay-Nedecky, P., Hajdich, P. Automated drawing of logic and electronic circuits by means of the ES 7054 DIGIGRAF 1-50365
- Burger**, J. *see* Becker, U. 1-30337
- Burger**, N. Combined burn-in and testing—a powerful and cost effective solution for screen logic arrays and microprocessors 1-46224
- Burger**, U. *see* Ragaller, K. 1-30667
- Burgess**, A.E. Contrast effects of a gadolinium filter 1-34602
- Burgess**, E.L. Cogeneration by means of photovoltaic concentrator arrays 1-31103
- Burgess**, E.L. Intermediate load center photovoltaic application experiments 1-31465
- Burgess**, J.F., Eichelberger, C.A., Haase, M.A., Neugebauer, C.A. Multi-output solid state relay (MSSR) 1-45741
- Burgess**, J.W. *see* Monham, K.L. 1-42277
- Burgess**, L.W., Berkowitz, R.S. Design limitations on adaptive array control loop nulling time 1-51736
- Burgess**, M.D.J., Fedosejevs, R., Jaanimagi, P.A., Richardson, M.C. Active-passive mode locking of a flashlamp-pumped dye laser 1-33199
- Burggraf**, H. *see* Harde, H. 1-51508
- Burgiss**, S.G. *see* Williams, C.W. 1-38492
- Burgoon**, J.R., Wilson, R.L. SC-cut quartz oscillators improved performance 1-36728
- Burgos**, J. The art of equalisation for Hi-Fi 1-29931
- Burgov**, V.Ya., Ignat'ev, A.S., Kapaev, V.V., Mokerov, V.G., Petrova, A.G. Reversible data storage based on vanadium dioxide films 1-28418
- Burgum**, F., Nijhof, E.B.G., Woodworth, A. Gate turn-off switch 1-28008
- Burian**, J. The influence of strong electromagnetic fields on the on-board network and electronic equipment of motor vehicles 1-39190
- Burk**, H. An acoustic point radiator [Omnisono loudspeaker] 1-47837
- Burkard**, K.H. *see* Kirchner, R. 1-52654
- Burkard**, R.E. *see* Krarup, J. 1-44976
- Burke**, A. Linearizing thermistors with a single resistor 1-42589
- Burke**, A.F., Somuah, C.B. Power train trade-offs for electric and hybrid vehicles 1-31591
- Burke**, B.E. *see* Kostishack, D.F. 1-38205
- Burke**, G.J. *see* Miller, E.K. 1-41332
- Burke**, J.J., Sakshaug, E.C. The application of gapless arresters on underground distribution systems 1-30815
- Burke**, J.J. *see* Bomberger, W.D. 1-28507, 1-46504
- Burke**, J.J. *see* Strickland, R.N. 1-37646
- Burke**, M. Chip changes the colors of light-emitting diodes 1-28592
- Burke**, M. *see* Hoffman, E.J. 1-34578
- Burke**, M.F., Krzyzanowski, R.V., Schlicht, R.A., Simmons, B.E. Network Control in the digital DCS 1-29328
- Burke**, M.R. *see* Williams, C.W. 1-38492
- Burke**, R. *see* Martin, R.L. 1-48310
- Burke**, R.E. Individual system control 1-43391
- Burkel**, R. *see* Dull, E.H. 1-38189
- Burkett**, M., Groenke, J. Plastic packaging cuts the cost of RF power transistors 1-27989
- Burkey**, B.C. *see* Nielsen, R.L. 1-40683
- Burkhard**, H. *see* Weimann, G. 1-37144
- Burkhard**, P., Gerber, T., Luthy, W. XeF excimer laser pumped in a longitudinal low-pressure discharge 1-46670
- Burkhard**, R. New internal line selector telephones, type LW 700. I 1-29487
- Burkhard**, R. The new SL 700 subscribers' call selectors. III 1-37791
- Burkhard**, R. The new LW 700 line selectors. II 1-37818
- Burkhardt**, H., Koehler, P., Riethmuller, R., Wiik, B.H., Fohrmann, R., Franzke, J., Krasemann, H., Maschuw, R., Poelz, G., Reichardt, J., Ringel, J., Romer, O., Rusch, R., Schmuser, P., van Staa, R., Freeman, J., Lecomte, P., Meyer, T., Wu, S.L., Zobernig, G. The TASSO gas and aerogel Cherenkov counters 1-43210
- Burkhardt**, H.J., Schindler, S. Structuring principles of the communication architecture of open systems—a systematic approach 1-41946
- Burkhardt**, R. *see* Wendtlandt, B. 1-34064
- Burkhardt**, W. Systems of the automatic design for the computer-aided layout of electronic function modules 1-32494
- Burkhardt**, W. *see* Arnault, C. 1-43246
- Burkhardt**, D. Modern concepts for the automatic testing of radiosets (transceivers) 1-47910
- Burkhart**, R.W., Cox, A.R., Hartley, J.D. Uniform deposition of alumina on thin ferrite substrates 1-45113
- Burkov**, A.T. Device interfacing a desktop computer with an analog two-coordinate automatic printer 1-30165
- Burkov**, V.N., Irikov, V.A., Makarova, A.S. Assessment of scientific and technological progress in energy development forecasting 1-26859
- Burla**, P. *see* Baribaud, G. 1-42934
- Burlakov**, I.D. *see* Batalina, M.A. 1-36593
- Burland**, D.M. *see* Bjorklund, G.C. 1-28805
- Burleigh Cooper**, C., III *see* Borden, P.G. 1-35385
- Burley**, N.A., Hess, R.M., Howie, C.F. Microsil and Nilis: new nickel-based thermocouple alloys of ultra-high thermoelectric stability 1-30076
- Burmah**, G. Radio relay equipment for use by electricity supply undertakings 1-42186
- Burn**, N. *see* Thieberger, P. 1-42849
- Burnett**, P. The Robot 800 speciality mode terminal 1-42183
- Burnett**, T., Carlson, J. Public expectations of growth in electric energy 1-53173
- Burnham**, C., Bradshaw, J., Kaufman, D., Chesler, D., Brownell. One dimensional scintillation cameras for positron ECT ring detectors 1-34580
- Burnham**, G., Kline, C.S. Airborne electronic terrain map system. II. Applications 1-52906

- Burnham, G. *see* Hoffman, R. 1-52903
- Burnham, R.D., Scifres, D.R., Streifer, W., Fekete, D. Self-aligned GaAs/GaAlAs semiconductor laser with lateral spatial variation in thickness grown by MO-CVD 1-37157
- Burnham, R.D. *see* Fekete, D. 1-33224
- Burnham, R.D. *see* Scifres, D.R. 1-37160, 1-41082
- Burnham, R.D. *see* Streifer, W. 1-37124, 1-51457
- Burnley, R.M. Development of the Hunslet 91 hp rack locomotive 1-31564
- Burnod, L. *see* Bossart, R. 1-48473
- Burns, A.L. *see* Chartier, V.L. 1-34841
- Burns, C.P., Jory, V.V., Tsao, D.F., Cotton, R.B., Bone, E.N., Morrison, A.N. A second-generation near-field range [antenna testing] 1-51672
- Burns, E. *see* Unione, A. 1-31105
- Burns, E.J.T. *see* Johnson, D.J. 1-30309
- Burns, J.W. *see* Allred, W.P. 1-39756
- Burns, R.C. *see* Robinette, G.J. 1-52877
- Burns, R.P. *see* McMahon, J.M. 1-51411
- Burns, S.K., Mark, R.G. Microprocessor systems as a base for development of medical instruments 1-52750
- Burns, W.K., Moeller, R.P. Effect of laser diode spontaneous emission on IOSA operation 1-28705
- Burns, W.K. *see* Bulmer, C.H. 1-46555
- Burns, W.K. *see* Rashleigh, S.C. 1-40945
- Burns, W.K. *see* Sheem, S.K. 1-28430, 1-40944
- Burnside, W.D., Chuang, C.W. Diffraction from cylindrically truncated planar surfaces with applications to an aperture matched horn design 1-41331
- Burnside, W.D., Pathak, P.H. High frequency scattering by a thin dielectric slab 1-41225
- Burnside, W.D. *see* Pathak, P.H. 1-41316, 1-47012
- Burnside, W.D. *see* Rudduck, R.C. 1-41347
- Burny, G., Warrant, H., Detry, R. The 320 series of ACEC flight simulators 1-30498
- Burov, V.N., Shaternikov, V.E. Automatic data processing in the electromagnetic monitoring of the geometrical and electrophysical parameters of articles 1-32117
- Burq, J.P., Chemarin, M., Chevallier, M., Denisov, A.S., Ekelof, T., Grafstrom, P., Hagberg, E., Ille, B., Kaschuk, A.P., Kulikov, A.V., Lambert, M., Martin, J.P., Maury, S., Querrou, M., Schegelsky, V.A., Tkach, I.I., Vorobyov, A.A. Observation of the Fermi plateau in the ionization energy loss of high-energy protons and pions in hydrogen gas 1-52679
- Burr, D.J., Ackland, B., Weste, N. A high speed array computer for dynamic time warping 1-37476
- Burr, D.J. *see* Ackland, B. 1-41626
- Burr, S.A., Rosta, V. On the Ramsey multiplicities of graphs—problems and recent results 1-39580
- Burr, W.W. Very fine line imaging [PC fabrication] 1-45786
- Burrage, L.M. *see* Pedrow, P.D. 1-43791
- Burrell, M. Video mixer 1-29900
- Burrell, M. Video mixer 1-34113
- Burrell, M. Making patterns [on TV screens] 1-47788
- Burrell Hadden, H. On bias in tape recording 1-52306
- Burrows, B.J.C., Hanson, A.W. The behaviour of CFRP panels in metal aircraft during simulated lightning strokes 1-33368
- Burrows, B.L., Perks, A.J. Complementary variational principles and variational-iterative principles 1-26977
- Burrows, B.W., Sunu, W.G., Dick, B.H. Low maintenance lead-acid batteries for energy storage 1-31409
- Burrows, D.F., McGeehan, J.P. Feedback and feedforward automatic gain control for suppressing multipath induced signal fading 1-46948
- Burrows, D.F. *see* McGeehan, J.P. 1-29168, 1-29647
- Burrow, M.L. Adaptive knob-space control of a VPD nulling combiner 1-29039
- Burros, C.A., Dentai, A.G., Lee, T.P. Large-area back-illuminated InGaAs/InP photodiodes for use at 1 to 1.6  $\mu$ m wavelength 1-51278
- Burros, C.A. *see* Damen, T.C. 1-28738
- Burros, C.A. *see* Lee, T.P. 1-37031
- Burros, C.A. *see* Lin, C. 1-40893
- Burros, C.S. A new prime factor FFT algorithm 1-37623
- Burros, C.S., Eschenbacher, P.W. An in-place, in-order prime factor FFT algorithm 1-45070
- Burros, C.S. *see* Loeffler, C.M. 1-50572
- Bursik, A., Resch, G. Power station chemistry—the position today and developments in the 1980s 1-53232
- Bursik, A., Richter, R. Guidelines for the preservation of steam generators during shutdown 1-30978
- Bursky, D. New chips communicate the impact of Japanese research 1-37683
- Bursky, D. Japanese memories and micros forge ahead in NMOS and CMOS 1-40016
- Burstein, E.B. *see* Sanjana, Z.N. 1-36407
- Burstein, H. Binomial 2X2 test for independent samples with independent proportions 1-35768
- Burstow, D.J., Loveland, R.J., Tomlinson, R., Widginton, D.W. Radio frequency ignition hazards 1-26883
- Burt, C.J. *see* Cracknell, P.J. 1-48422
- Burt, E. *see* Wallenberg, R. 1-33371
- Burt, M.G. *see* Stevenson, A.G. 1-37104
- Burt, W. *see* Ben-Zvi, I. 1-48428
- Burton, D.P. Gain error and gain tempo of CMOS multiplying DACs 1-40192
- Burton, J.K. *see* Bettis, J.R. 1-51496
- Burton, J.M., Vinnal, E. Radio propagation above 10 GHz. I. An overview of new frequency bands 1-41249
- Burton, L.C. *see* Grender, M.C. 1-35377
- Burton, L.C. *see* Hsu, W.B. 1-50817
- Burton, P.A. *see* Pritchard, D.A. 1-47446
- Burton, R.W. *see* Martin, V.M. 1-52551
- Burton, W.D., Jr. *see* Saltzberg, B. 1-30452
- Burton Holbrook, M. *see* Bradley, D.J. 1-37112
- Burtovoi, D.P., Zelinskii, Yu.G., Matushkin, N.I., Popov, V.V. One realisation of the method of double modulation of super high-frequency signals in measuring the Q-factor of resonators 1-38284
- Burtovoi, D.P. *see* Filatova, N.A. 1-37351
- Burtscher, H., Kastli, U., Steiner, J. Digital measurements in AC systems 1-38830
- Burtsev, V.A. *see* Andreev, A.B. 1-31488
- Burukhin, G.N. *see* Morozova, Yu.A. 1-44036
- Burus, I., Svircevic, S. Telecommunication network digitisation and its influence on the results of economic and technical analysis 1-37682
- Bury, J.R. *see* de Munck, H. 1-32449
- Bury, L., Luthra, R., Reyling, G., Jr. Built-in sensor adjusts operation of bubble cassette to temperature 1-32981
- Buryak, V.A., Kapitanov, N.N., Zayarnyi, P.P. Temperature stabilization of the phase frequency characteristic of an amplifier incorporating microcircuits 1-39961
- Busa, G. Study and manufacture of an automatic hydrostatic level meter 1-48140
- Busak, J. Legal aspects of the transmission of electric power by radio frequencies 1-43626
- Busby, K.O. *see* Felch, K.L. 1-32392
- Buscaglia, L. Measurement of network resistance of radiological equipment 1-34571
- Busch, C.F., Vaninetti, G.E. Beneficiation improves coal performance 1-43883
- Busch, J.R. *see* Verber, C.M. 1-36960
- Busch, W. Automatic emergency power supply control 1-38702
- Buschbom, K.-D. 25 years of audiofrequency ripple control in the Bewag 1-34739
- Buschek, H. Instrument controller in modern test systems 1-47916
- Buschhorn, G. *see* Behrend, H.-J. 1-43229
- Buschmann, G. *see* Bayer, W. 1-48994
- Buschmann, H. Optical path-measuring probe 1-51241
- Busetto, G. *see* Augustin, J.E. 1-43230
- Bush, E. *see* Sander, O. 1-48358
- Bush, G. On-screen index [Prestel] 1-37725
- Bush, H.J. *see* Hickernell, F.S. 1-46371
- Bushnell, D. Elastic-plastic bending and buckling of pipes and elbows 1-39645
- Bushnin, Yu.B., Denisenko, A.A., Dunaitsev, A.F., Soldatov, M.M., Sytin, A.N., Yakimchuk, V.I. Charge-digital nanosecond pulse transducer 1-30372
- Bushnin, Yu.B. *see* Alekseev, A.V. 1-52742
- Bushong, S.C. *see* Schneiders, N.J. 1-43306
- Businaro, U.L., Mortara, W. Electronic engine control 1-39192
- Bussac, J.P. *see* Bottigioni, F. 1-34414
- Busse, L., Heiberger, D. Monitoring the life of steam turbines 1-35028
- Busse, W., Kluge, H., Ziegler, K. The VICKSI computer control system, concept and operating experience 1-43137
- Busse, W., Martin, B., Michaelsen, R., Pelzer, W., Renner, D., Spellmeyer, B., Ziegler, K. The proposed tandem injector for the VICKSI facility 1-43134
- Bussey, W.S., Haigler, R.M. Tubes versus transistors in electric guitar amplifiers 1-42479
- Bussmann-Holder, A., Bilz, H., Kress, W. Ferroelectric phase transition in IV-VI semiconductors 1-28162
- Bustamante, R. *see* Chignell, R.J. 1-41369
- Busurin, V.I., Pasyukov, V.I., Udlov, N.P. Fibre-optical pressure transducer 1-48066
- Buszkievicz, B. *see* Koford, S. 1-45754
- Butcher, G.H. *see* Howson, D.P. 1-27746
- Butcher, J.C. Stability properties for a general class of methods for ordinary differential equations 1-32035
- Butcher, J.C. A generalization of singly-implicit methods 1-45047
- Butcher, R.J. *see* Crocker, D. 1-33177
- Butchvarov, G.N. *see* Stefanov, P.S. 1-45112
- Buteau, J.J. *see* Soderstrand, M.A. 1-36274
- Butenko, Yu.F. Digital indicators in emergency-signalling circuits 1-49070
- Butikofer, J.-F. *see* Hadorn, E. 1-29298
- Butkovich, I.K. *see* Ageyev, A.I. 1-42866
- Butkus, E. *see* Undzenas, A. 1-37018
- Butler, A.F.O. Waves of success [microwave links] 1-42175
- Butler, C.M., Keshavamurthy, T.L. Investigation of a radial, parallel-plate waveguide with an annular slot 1-33393
- Butler, C.M. *see* Keshavamurthy, T.L. 1-28983
- Butler, C.M. *see* Nevels, R.D. 1-51579
- Butler, G.V. *see* Koelle, D.E. (editor) 1-43398
- Butler, J. *see* Gottlieb, M. 1-34388
- Butler, J.E. An acoustic tensile load cell able to operate under high water pressures 1-35997
- Butler, J.K. *see* Botez, D. 1-37155
- Butler, J.L., Brown, W.D. An array model for transducers with flexing heads 1-52967
- Butler, J.L., Cipolla, J.R., Brown, W.D. Radiating head flexure and its effect on transducer performance 1-52965
- Butler, J.P., Reeds, J.A., Dawson, S.V. Estimating solutions of first kind integral equations with nonnegative constraints and optimal smoothing 1-45065
- Butler, J.W., Dyer, R., Glascock, H. Modular SCR assemblies in VSCF systems 1-30515
- Butler, P. Getting hooked up to computer power [in production control] 1-35638
- Butler, T.A., Bennett, J.G. Nonlinear response of a post-tensioned concrete structure to static and dynamic internal pressure loads 1-39654
- Butler, W.T. *see* Mills, W.C. 1-42014
- Butlin, R.S. *see* Vanner, K.C. 1-51028
- Butman, S.A. *see* Greenhall, C.A. 1-33518, 1-41505
- Butov, A.A. Synthesis of multiple-output combinational networks using multiplexors 1-36172
- Butovskii, Ya.L. Machine for combined shots and animated cartoon works 1-34091
- Butrimenko, A.V. Virtual connection and the datagram method: some advantages and shortcomings 1-33786
- Butskii, V.V. *see* Arkhipova, T.A. 1-48000
- Butter, E. *see* Seifert, W. 1-39774
- Butterfield, J. *see* Cheetham, D. 1-43910, 1-53273
- Butterfield, J.F. Stereoscopic video microscope 1-38036
- Butters, W.G. A portable system for full-scale aircraft lightning-induced coupling tests 1-52864
- Butterweck, H.-J., Groenewoud, J.J.C., Versfeld, L.R.G. About reciprocal three-ports and their transformations through lossless reciprocal two-ports 1-39839
- Butterworth, G.J., Dowling, P.D. Electrostatic effects with portable CO<sub>2</sub> fire extinguishers 1-46828
- Buttner, J., Berger, G. Control device for an inverter, controlled by the undershoot method 1-49723
- Butto, M., Colombo, G., Tonietti, A. Packet network performance analysis 1-47414
- Button, J.M. Voting circuit uses majority logic 1-50484
- Buttram, M.T., Ginn, J.W., Phipps, G.S. Infrared measurement of the temperature distribution of a repetitively pulsed electron beam extraction foil as a beam uniformity diagnostic 1-48406
- Buturla, E.M., Cottrell, P.E., Grossman, B.M., Salsburg, K.A. Finite-element analysis of semiconductor devices: the FIELDAY program 1-50899
- Butz, U., Hammerling, N., Winoslawski, W.N., Taradaj, W.I. The application of algebraic methods to the modelling of planning processes 1-44257
- Butzkus, W. *see* Vedder, M. 1-50668
- Buus, J. Buried heterostructure lasers in the GaInAsP system: design 1-37098
- Buus, J. Beamwidth for asymmetric and multilayer semiconductor laser structures 1-37123
- Buus, J., Koshiba, M., Suzuki, M. 'Equivalent network analysis of dielectric thin-film waveguide with trapezoidal cross-section' [and reply] 1-46986
- Bux, W., Kummerle, K. HDLC performance: comparison of normal response mode and asynchronous balanced mode of operation 1-29446
- Buxbaum, C. High power metallic cathodes for electron emission 1-45851
- Buxmann, J. *see* Bormann, H. 1-53254
- Buxo, J. *see* Sarabayrouse, G. 1-28023
- Buxton, W. *see* Frankel, R. 1-42799
- Buyantuev, S.L., Vishnevskii, Yu.I., Kaplan, G.S., Kukekov, G.A. Utilization of a nonsymmetric longitudinal blast in gas breakers 1-35275
- Buyis, J.H., Janssen, L.H. Comparison of simultaneous atmospheric attenuation measurements of visible light, mid-infrared (3-5  $\mu$ m) and millimetre waves (94 GHz) 1-41215
- Buyse, H. Transfer function of rectified output AC generators 1-53389
- Buzacott, J.A. *see* Shanthikumar, J.G. 1-31934
- Buzatu, C., Suteu, V. Regarding the calculation of the dispersion and tolerance of pneumatic devices for length measurement 1-52577
- Buzdughina, I. *see* Radoi, L. 1-30236
- Buzhinskii, I.M., Nikishchenko, E.A., Kravtsova, N.I. Change in the surface of fiber-optic plates as result of heating 1-28474

- Buzhinskii, O.I.**, Kuznetsova, S.A., Slivitskaya, I.A., Slivitskii, A.A. Investigation of the evolution of the divergence of radiation during an output pulse of a transverse-discharge Cu laser 1-51373
- Buznikova, E.A.** *see* Kuzina, I.V. 1-30164
- Buzitskiy, P.L.**, Freyman, G.A. The application of analytical methods in combinatorial problems 1-35812
- Buzzelli, E.S.** *see* Demczyk, B.G. 1-31417
- Buzzelli, S.**, Mazzei, U., Baraldi, G., Gallasi, G., Giorgetti, F. Planning transmission network: estimation of alternative strategies through the use of a computer model for the dynamic optimisation of the development of a network—an example of its application to a real case 1-29350
- Buzzi, J.M.** *see* Felch, K.L. 1-51301
- Byars, M.** Time delay for alarm relay 1-45560
- Byars, M.** A high-resolution frequency meter for 50 Hz 1-48125
- Byashimov, B.** *see* Klyshchayeva, O. 1-49809
- Bybee, R.L.** *see* Timothy, J.G. 1-34285
- Bychkov, B.N.**, Kuznetsov, N.N., Timofeev, B.S. Digital correction of TV signal sensors 1-29849
- Bychkov, R.M.** *see* Astafieva, T.B. 1-40885
- Bychkov, Yu.P.**, Dronov, N.N., Korchemkin, Yu.B. Resonant window in a rectangular waveguide and its application for checking the parameters of an insulator 1-51644
- Byer, M.** Modeling LSI and MSI components 1-46192
- Byer, R.L.**, Park, Y.K., Feigelson, R.S., Kway, W.L. Efficient second-harmonic generation of Nd:YAG laser radiation using warm phasematching LiNbO<sub>3</sub> 1-46783
- Byer, R.L.** *see* Park, Y.K. 1-41073
- Byers, B.** Periodic points and chaos for expanding maps of the interval 1-50188
- Byford, R.G.** *see* Wassel, W.W. 1-34192
- Bykhovskii, E.L.** *see* Kiryukhin, V.I. 1-30911
- Bykov, A.A.** *see* Il'inskii, A.S. 1-37345
- Bykov, A.B.** *see* Timofeeva, V.A. 1-39737
- Bykov, A.P.**, Smetannikova, L.V., Filimonov, G.F. Estimating the influence of back radiation on the interaction of a rectilinear electron beam with a network of coupled cavities 1-37350
- Bykov, Yu.G.** Electric locomotives with asynchronous motors 1-39166
- Bykovskii, O.G.** *see* Gavrov, E.V. 1-31720
- Bykovskii, Yu.A.**, Smirnov, V.L., Sorokovikov, V.N. Influence of changes in the waveguide thickness on the efficiency of Bragg diffraction of radiation by grating structures 1-36965
- Bykovskii, Yu.A.**, Zuev, V.V., Kiryukhin, A.D., Shkaranda, V.A. Sublinear current-voltage characteristics of long  $n^+n^-n^+$  structures made of gold-doped n-type silicon 1-36512
- Bykovskii, Yu.A.** *see* Barachevskii, V.A. 1-28519
- Bykovskiy, Yu.A.**, Smirnov, V.L., Tolstopyatov, O.I., Shmal'ko, A.V. An investigation of Bragg diffraction of light beams on embossed (raised) grating structures in thin-film waveguides 1-33058
- Bylanski, P.** *see* Bird, J.R. 1-41885
- Byl'chenko, F.S.**, Vasil'ev, V.I., Gumenyuk, B.V. Detection of ferroplastics in the casings of the heat-dissipating elements of atomic reactors 1-36018
- Byrne, C.J.**, Giles, D.L., Wedemeyer, G.H. NORGEn: a sharper eye on network performance [ESS monitoring] 1-52016
- Byrne, D.** *see* Alvarez, R.A. 1-28411
- Byrne, D.P.** *see* Alvarez, R.A. 1-48449
- Byrne, J.V.** Three proofs of the force-doubling with saturation [stepping motors] 1-49526
- Byrne, J.V.** Shaft angle transducer giving controllable firing advance 1-52461
- Byrne, L.S.** Automatic controls for coal-fired boilers 1-38896
- Byrne, L.S.** Operation and maintenance of coal-fired boiler plant. I. Fuel and efficiency 1-49278
- Byrnes, H.**, Moskowitz, P.A., Wahl, R. Cryogenic testing of Josephson chips 1-36846
- Bystritskii, V.M.**, Didenko, A.N., Kozhevnikov, A.V., Kraskin, Ya.E., Prokhorov, A.M., Sulakshin, S.S. Efficient Ar-N<sub>2</sub> laser pumped by a high-current ion beam 1-28652
- Bystritskii, V.M.**, Didenko, A.N., Podkatov, V.I., Sulakshin, S.S., Usov, Yu.P. Ar-N<sub>2</sub> laser with pumping by ion bunches 1-37088
- Bystruev, A.K.**, Volovik, O.B., Kaplan, V.V., Sherman, Ya.N. A synthetic circuit for testing the switching-on capability of high-voltage switching apparatus 1-39080
- Bytnar, A.** Analysis of thermal processes in stators of turbo-generators 1-38958
- Byukov, V.F.** *see* Makhnenko, V.I. 1-31719
- Byung Doo Choe** *see* Yeo, Y.K. 1-36480
- Bywater, J.A.**, Lari, R.J., Ratner, L.G., Lee, Y.Y., Fujisaki, M., Krich, A.D., Terwilliger, K.M. Design and test results of a pulsed quadrupole magnet with a 2  $\mu$ s rise time 1-52644
- Bywater, J.A.** *see* Terwilliger, K.M. 1-42787
- Bzura, J.J.**, Abtahi, F., Stratton, L.J. Superconducting generators: economics, technical considerations and ancillary technology 1-31180
- C. Yen Huan *see* Huan C. Yen
- Caballero, P.A.**, De Los Rios, F.J., Puebla, I. Computer program for optimizing the structure of analog/digital urban networks 1-51911
- Caber, J.** New thick-film microwave elements for MIC 1-45824
- Caborn, R.J.** Schmitt oscillator 1-45320
- Cabot, A.V.** *see* Selcuk, S.E. 1-35859
- Cabot, R.C.** A note on the application of the Hilbert transform to time delay estimation 1-41672
- Cabot Hannah, E.** Low temperature magnetic cores and a preamp for low impedance cryogenic sources 1-45306
- Cabrera, S.D.** *see* Hunt, B.R. 1-29227, 1-51861
- Cabrera, C.M.P.** The series-motor in electric traction. Comparative analysis from the point of view of torque 1-35123
- Cacak, R.K.**, Winans, D.E., Edrich, J., Hendee, W.R. Millimeter wavelength thermographic scanner 1-43310
- Cacopardi, S.** *see* Bonaventura, V. 1-29445
- Cada, M.** Leaking modes in anisotropic dielectric waveguides 1-46497
- Cadien, K.C.** *see* Greene, J.E. 1-50811
- Cadiou, F.J.**, Baumel, L.M., Yeh, W.C. The resistivity and plasmon energies of BCC and A-15 superconductors 1-28307
- Cadwallader, J.**, English, D. Millimeter front end provides frequency agility [radar systems] 1-34007
- Cady, F.M.** *see* Hodgson, R.M. 1-43460
- Cady, R.L.** The LAMPF 805 MHz RF system 1-48354
- Cadzow, J.A.**, Bronez, T.P. An algebraic approach to super-resolution adaptive array processing 1-37616
- Cadzow, J.A.**, Moses, R.L. A superresolution method of ARMA spectra estimation 1-37627
- Cadzow, J.A.**, Ogino, K. Adaptive ARMA spectral estimation 1-37625
- Cadzow, J.A.**, Ogino, K. Two-dimensional spectral estimation 1-41643
- Cafarella, J.H.** *see* Adler, E.L. 1-28211, 1-32928
- Cagnaire, A.** *see* Baribaud, G. 1-42939
- Cagniaux, S.** *see* Gallet, G. 1-49632
- Cahana, D.**, Stark, H. Bandlimited image extrapolation with faster convergence 1-51853
- Cahana, D.** *see* Stark, H. 1-41804
- Cahen, C.**, Jegou, J.P., Pelon, J., Gildwarg, P., Porteneuve, J. Wavelength stabilization and control of the emission of pulsed dye lasers by means of a multibeam Fizeau interferometer 1-41127
- Cahen, D.** *see* Hodes, G. 1-44374
- Cahen, D.** *see* Massenas, J. 1-44316
- Cahen, D.** *see* Vainas, B. 1-36541
- Cahill, S.J.**, Laverty, S.J., McCorkell, C. Accommodations for the microprocessor 1-35581
- Cahoon, J.V.** *see* Derenzo, S.E. 1-34575
- Cai, K.V.**, Cooper, G.R. A method of signal design for spread spectrum systems 1-33434
- Cai Shu-zheng**, Wang Cheng-zhi Coupled-transmission line directional couplers of transforming impedance type 1-36324
- Cai Xi-Jie** *see* Wang Zi-Jiang 1-51506
- Cai Xia Liu** *see* Liu Cai Xia
- Cai-Fei Wang** *see* Wang Cai-Fei
- Cailliau, R.** *see* Baribaud, G. 1-42939
- Cailly, J.L.** An example of construction of a static excitation for large turbo-alternators 1-31213
- Caimi, F.** *see* Trimble, J. 1-41816
- Cain, G.D.**, Cappellini, V., Del Re, E., Fini, L. CCD multifrequency-tone receiver with coefficient compensation of charge-transfer loss 1-33855
- Cain, G.D.**, Morling, R.C.S., Skorkowski, J. Performance of adaptive whitening using a CTD filter 1-51843
- Cain, G.J.**, Jackson, L.N., Vesetas, R., Walter, A., Yong, W.B. Computer aided software generation (The MELBA system for generating CHILL code) 1-42125
- Cain, J.B.**, Bradley, D.B., Thaker, G.H. Simulation results for a quasi-static routing algorithm for packet-switched networks 1-29448
- Cain, J.B.** *see* Clark, G.C., Jr. 1-33553
- Cain, R.W.** An interconnection system for space craft distributed control and data collection 1-42219
- Cairnie, D.** *see* Davis, J. 1-32408
- Cairns, E.J.** Requirements of battery systems 1-44329
- Cairns, P.** Scope beam switching unit 1-52501
- Cairo, L.** *see* Tanaka, Y. 1-41227
- Calabro, S.R.**, Horowitz, B.G. Evaluating equipment reliability using techniques based on Kappa Square statistics 1-44765
- Calabro, S.R.**, Horowitz, B.G. Evaluating equipment reliability using techniques based on Kappa Square statistics 1-49205
- Calamari, E.** Electric heating: induction melting furnaces for ferrous metals. Energy distribution is always necessary 1-39215
- Calamia, M.** Some Italian research for developing new primary ATC radars 1-52926
- Calandrino, L.** *see* Andrisano, O. 1-29621
- Calas, J.** *see* Averous, M. 1-27805
- Calasanzio, D.** *see* Marassi, R. 1-44340
- Calavrytinos, P.G.**, Schroeder, M.R. Reduction of quantizing noise loudness 1-33586
- Calawa, A.R.** On the use of AsH<sub>3</sub> in the molecular beam epitaxial growth of GaAs 1-35944
- Caldarella, R.** *see* Burgassi, M. 1-47417
- Caldecott, R.**, Kasten, D.G., Sebo, S.A. Model study of HVDC electric field effects 1-53064
- Calderer, J.**, Vilamajo, E., Castaner, L. Semiconductor oxide technology: application to solar cells 1-35367
- Calderon, M.A.G.** *see* Prieto, A. 1-36316
- Calderon, M.A.** Garcia *see* Garcia Calderon, M.A.
- Calderwood, R.** Controlling DC motors for wheelchairs 1-35190
- Caldon, R.**, Viaro, U. Peak-day electric load curve forecast with reference to the main consumption sectors in Italy 1-34792
- Caldwell, I.** *see* Power, G.P. 1-52559
- Caldwell, J.** Forces on a coil due to an oblate spheroid of magnetic material 1-28405
- Caldwell, J.** Electromagnetic forces in superconducting windings 1-36851
- Caldwell, J.** *see* Dorsey, E. 1-37468
- Calegari, A.** Digitalization in a TV receiver 1-38000
- Calegari, A.** Playing records vertically 1-38041
- Calenko, M.S.** *see* Golosov, A.O. 1-35851
- Calfa, P.** The basic properties of microstrip transmission lines and their applications 1-40211
- Calhoun, B.A.**, Sanders, I.L. Minimum drive fields in contiguous-disk bubble devices 1-46448
- Calhoun, M.**, Ingels, F., Connell, C., Benedick, F., Cunningham, P. An error encoding structure for stores management 1553 data bus 1-42224
- Calin, T.**, Nisulescu, M. Linear integrated circuits testing 1-47882
- Calka, A.** *see* Lisiecki, J. 1-46421
- Callabresi, M.L.** *see* Chiesa, M.L. 1-45016
- Callaghan, W.T.** Low-Cost Solar Array Project progress and plans 1-50316
- Callahan, A.C.** Coherence and maximum likelihood multiple receiver signal detection 1-41649
- Callender, A.B.** *see* Cusumano, S.J. 1-46758
- Callier, F.M.**, Cheng, V.H.L., Desoer, C.A. Dynamic interpretation of poles and transmission zeros for distributed multivariable systems 1-36055
- Calligaro, R.B.** *see* Moustakas, S. 1-36608
- Calloway, A.R.**, Danielewicz, E.J. Far infrared optically pumped SO<sub>2</sub> laser 1-37057
- Callen, H.** *see* Adelsbeck, B. 1-36323
- Calo, S.B.** Message delays in repeated service tandem connections 1-37666
- Calo, S.B.** Delay analysis of a two-queue, non-uniform message channel 1-37673
- Calo, S.B.** *see* Natarajan, K.S. 1-33433
- Caloi, R.** *see* Federici, L. 1-43268
- Calovic, M.S.**, Ivankovic, R.M., Cuk, N.M., Martini, A.S. The solution of scheduling of thermal units by mathematical programming techniques 1-38652
- Calovic, M.S.**, Strezoski, V.C. Calculation of steady-state load flows incorporating system control effects and consumer self-regulation characteristics 1-30691
- Calugaru, G.** *see* Cotae, C. 1-28216
- Calva, J.R.**, Good, B.J. Reversible sensing logic 1-36191
- Calvaer, A.J.** *see* Goossens, J.F. 1-53362
- Calver, D.W.**, Goodall, A. Operational 8 Mbit/s optical fibre system in a railway environment 1-42260
- Calvert, R.J.** *see* Larimore, M.G. 1-37548
- Calvert, W.** The detectability of ducted echoes in the magnetosphere 1-51609
- Calvin, M.** *see* Mettee, H. 1-41017
- Calvino-Teijeiro, B.J.** Factors influencing the design of circuit-breakers 1-35313
- Calvit, T.O.** Ship-to-shore tests of a MARISAT 56-kbit/s data service 1-29673
- Calvo, A.B.**, Kronenfeld, J.E. Balancing readiness and life-cycle cost objectives in avionics acquisition 1-49934
- Calvo, M.L.** *see* Alvarez-Estrada, R.F. 1-51580
- Calzavara, M.**, Di Vita, P., Rossi, U. Reliability of a new method for measurements of modal power distribution in optical fibres with application to mode scrambler testing 1-46510
- Calzolari, P.U.**, Masetti, G., Turchetti, C., Severi, M. Integrated NMOS output stage with low output impedance 1-27295
- Camana, P.C.**, Ogi, S.K., Stine, L.R. Advanced integrated CNI architectures 1-52899
- Camarcot, N.** *see* Bruno, C. 1-52663
- Camarda, H.S.** A possible source of monochromatic photons below 100 MeV 1-48541
- Camargo, E.** *see* Pinto, J.K.C. 1-47656
- Camas, J.** *see* Barisy, A. 1-42917

- Camba, A. Solis *see* Solis Camba, A.
- Cambanis, S. *see* Habib, M.K. 1-44865
- Cambel, A. Bulent *see* Bulent Cambel, A.
- Cambern, M. Isometries of measurable functions 1-50183
- Cambon, G., Saurel, J.M., Lassale, J., Attal, J., Shahab, W. Design of temperature stable gallium arsenide surface acoustic wave delay line 1-28203
- Camenga, R.E. *see* Li-yu Chen 1-45157
- Camenzind, H.R. The development of semi-customised ICs in USA 1-40624
- Camerini, P., Maffioli, F., Tartara, G. Some scheduling algorithms for SSTDMA systems 1-47645
- Cameron, D.C. *see* Jones, G.R. 1-50331
- Cameron, J. Random-number generator 1-50477
- Cameron, K.H., Chidgey, P.J., Preston, K.R., Smith, D.W., Matthews, M.R. A laser transmitter module for monomode fibre transmission systems 1-42275
- Cameron, P.J., Drake, D.A. Partial  $\lambda$ -geometries of small nexus 1-27009
- Cameron, P.J. *see* Bannai, E. 1-50209
- Cameron, R., Patel, D. Microwave components for satellite communications—a review [antenna array components] 1-42221
- Camici, A., Giarratana, V., Niro, F., Panaroni, P. Criteria for the project to implement the programming language CHILL 1-51886
- Camin, D. *see* Perez Ferreira, E. 1-42853
- Camio, J. Post office terminals 1-33824
- Camisa, R.L., Klatskin, J.B., Mikelsons, A. Broad-band lumped-element GaAs FET power amplifiers 1-45662
- Camlibel, I. *see* Singh, S. 1-27940
- Camp, D. *see* Kaufman, L. 1-34422
- Campagna, F. *see* Altimari, R. 1-40369
- Campanella, S.J., Colby, R.J. Network control for TDMA and SS/TDMA in multiple-beam satellite systems 1-47636
- Campanella, S.J. *see* Chakraborty, D. 1-47632
- Campanella, S.J. *see* Inukai, T. 1-47579
- Campanini, G. *see* Brugia, O. 1-47204
- Campbell, A.G. *see* Lin, A.L. 1-36456
- Campbell, A.M. The effect of transport current and saturation on the losses of multifilamentary superconducting wires 1-28368
- Campbell, B.F. *see* Magde, D. 1-33198
- Campbell, C.K. Observations on the short term stability of a SAW delay line oscillator 1-36775
- Campbell, C.K. *see* Nanayakkara, S. 1-37798
- Campbell, C.K. *see* Naraine, P. 1-36787
- Campbell, D. *see* Arnold, H.S., Jr. 1-53151
- Campbell, D.R., Chu, W.K. Formation of a transition metal Schottky diode by ion-beam mixing 1-50906
- Campbell, E.A., Wouk, V. Worldwide EHV fleet demonstrations—summary 1-31588
- Campbell, J.A., Thomas, H.B. The videotex marketplace. A theory of evolution 1-51942
- Campbell, J.C. *see* Copeland, J.A. 1-51264
- Campbell, J.C. *see* Ogawa, K. 1-37935
- Campbell, L.A. *see* Rumancik, J.A. 1-34993
- Campbell, M. *see* Makowiecki, D. 1-34500
- Campbell, M.K. *see* Leipuner, L.B. 1-43259
- Campbell, P. Electric vehicle traction motors—the development of an advanced motor concept 1-31248
- Campbell, P. Electric vehicle traction motors—the development of an advanced motor concept 1-31253
- Campbell, P., Rosenberg, D.J., Stanton, D.P. The computer design and optimization of axial-field permanent magnet motors 1-35421
- Campbell, P., Rosenberg, D.J., Stanton, D.P. The computer design and optimization of axial-field permanent magnet motors 1-39001
- Campbell, P.A., Grant, P.M., Arthur, J.W. Extension of time-bandwidth product in SAW spectrum analysers 1-48014
- Campbell, R.B. Whatever happened to silicon carbide 1-36499
- Campbell, R.M. *see* Druzgalski, C.K. 1-34600
- Campbell, R.W.F. *see* Murray, A. 1-48740
- Campbell, S.L. A procedure for analyzing a class of nonlinear semistate equations that arise in circuit and control problems 1-27232
- Campbell, T.G. *see* Sikes, L.D. 1-41357
- Campen, J.P. Public authorities and wind energy 1-49384
- Campenhout, J.M. Van *see* Van Campenhout, J.M.
- Campero, E. *see* Allen, P.H.G. 1-31285
- Campet, G. *see* Huriu, A. 1-47523
- Campillo, A.J. *see* Blewett, J.P. 1-51299
- Campisano, S.U., Baeri, P., Grimaldi, M.G., Bon-temps, A., Danielou, R., Floccari, M., Bruel, M. Laser annealing of Bi implanted (111) and (100) silicon 1-32604
- Campisano, S.U., Barbarino, A.E. Concentration dependence of the solid-phase epitaxial growth rate in Te implanted Si 1-39767
- Campisi, I.E., Hamilton, W.O. A superconducting tunnel diode oscillator 1-27337
- Camplan, J., Chaumont, J., Meunier, R. Electrostatic scanning of a few mA ion beam: application to an ion implanter 1-38366
- Camplan, J., Meunier, R. Design and use of pole face correction coils [mass spectrometer] 1-48662
- Campmas, M. Automatic checking of electrical integration rules for TTL-LS cellular LSI-circuits 1-27459
- Campo, J. Del *see* Del Campo, J.
- Camponuovo, G.F., Freddi, A., Borsetto, M. Hydraulic fracturing of hot dry rocks. Tri-dimensional studies of cracks propagation and interaction by photoelastic methods 1-53290
- Campos, M.D. *see* Ripper, J.E. 1-51474
- Campos Mello, L.A. *see* Rozenfeld, P. 1-46997
- Camras, M.D. *see* Holonyak, N., Jr. 1-51438
- Camras, M.D. *see* Laidig, W.D. 1-46753
- Camras, M.D. *see* Vojak, B.A. 1-37140
- Canali, C. *see* Jacoboni, C. 1-50766
- Canatan, F. *see* Hizal, A. 1-51675
- Cancellieri, G., Fantini, P. Frequency-dependent steady-state distribution of optical power in multimode fibres 1-33051
- Canciu, L., Dobre, V., Oprisiu, N. Three-phase asynchronous motor operation with two-phase feeding 1-49450
- Candade, V.S. Sequence test method for reliability evaluation of semiconductor devices 1-36580
- Cande, E.G. *see* Schenker, P.S. 1-41834
- Candy, J.C., Perucca, J.R. A digital to analog converter for telephone applications 1-52015
- Canfield, D. *see* Kline, G. 1-35335
- Cangelosi, M.J., Pockett, K.J. Enhanced analog sampling for an IBM 5100 series/7406 system 1-40188
- Canniff, R.J. A digital concentrator for the SLC<sup>TM</sup>-96 system 1-42047
- Cannon, C.P. A 2200°C fuel centerline Johnson noise power thermometer 1-34387
- Cannon, M.J., Lee, H.F., Lewis, R.B. Pattern data flow in the HP electron beam system 1-50967
- Cannon, P. *see* Hornstra, F. 1-31438
- Cannone, V., Gentile, G. Mathematical model of complex variable for inverter fed asynchronous machines 1-53472
- Canon, D. Thermal performance of underground cable 1-43710
- Cantal, R. *see* Brown, B.C. 1-32584
- Cantarella, G., Toniolo, S.B. The condition of circuit breakers in moulded plastic cases after operation at breaking power 1-35266
- Cantarutti, S. *see* Grassi, M. 1-46603
- Cantoni, A. TV pictures of another world 1-48769
- Cantoni, A. *see* Godara, L.C. 1-51824
- Cantor, A.J., Cheo, P.K., Foster, M.C., Newman, L.A. Application of submillimeter wave lasers to high voltage cable inspection 1-32109
- Cantrell, B.H., Gordon, W.B., Trunk, G.V. Maximum likelihood elevation angle estimates of radar targets using subapertures 1-33997
- Cantrell, J.H., Jr., Winfree, W.P., Heyman, J.S., Whitcomb, J.D. Multiparameter characterization of fatigue damage in graphite/epoxy composites from ultrasonic transmission power spectra 1-38632
- Cantrell, J.H., Jr. *see* Chern, E.J. 1-38622
- Cantrell, J.H., Jr. *see* Chern, L.J. 1-52609
- Cantrell, J.H., Jr. *see* Claus, R.O. 1-43471
- Cantrell, T. Architecture efficiency revitalizes 8-bit's muscle 1-36646
- Canuto, C. A finite element to interpolate symmetric tensors with divergence in  $L^2$  1-45029
- Cao De-Xin *see* Deutch, B.I. 1-27932
- Cao Fu-nian A method of anodic etching for revealing various defects in  $N^+$ -GaAs 1-27797
- Cao Qing-xi The basic laws of the statistical weak beam dynamics and the transport theory of the higher-order envelope matrix 1-43136
- Cao Shu Shi *see* Wang Zue Zhong 1-41137
- Cao Wei-Lou *see* Wei-Lou Cao
- Cao Weigong China's potential for hydro development 1-43990
- Cao Yiting 4 mm band GaAs Schottky-barrier diode and mixer 1-27612
- Cao-jiang Nie *see* Nie Cao-jiang
- Caola, R.J., Jr., LaForest, J.J. Electric field control in the vicinity of EHV transmission lines 1-38779
- Caola, R.J., Jr., LaForest, J.J. Electric field control in the vicinity of EHV transmission lines 1-43726
- Cap, F. Energy and the useful power of power stations 1-38841
- Capani, P.M. Bulk acoustic wave solder bond and pin integrity tester 1-26952
- Capani, P.M. Temperature measurements in solids by phonon interaction 1-42761
- Capasso, F., Panish, M.B., Bonner, W.A., Sum-ski, S. The liquid phase epitaxial growth and characterization of low doped GaSb and  $Al_{0.20}Ga_{0.80}Sb$  for detector applications in the 1.3  $\mu m$ -1.6  $\mu m$  region 1-50299
- Cape, J.A., Oliver, J.R., Chaffin, R.J. A simplified flashlamp technique for solar cell series resistance measurements 1-44376
- Cape, J.A. *see* Cohen, M.J. 1-35383
- Cape, J.A. *see* Wiczor, J.J. 1-35384
- Capehart, B.L. A proposal for broadening the education of power system engineers 1-44616
- Capel, A., Clique, M., Fossard, A.J. Current-control modulators—general theory for specific designs 1-34669
- Capel, A., Ferrante, J.G. Simulation of the conducted EMC in spacecraft performance prediction: the ESA EMC computer programme 1-52851
- Capel, A., O'Sullivan, D., Levins, D., Ferrante, J.G., Rossel, P. An automatic protection of spacecraft high power lines: the electronic solid state switch (ELS<sup>2</sup>) 1-52915
- Capel, R. *see* Bacher, P. 1-30591
- Capel, V. Vintage TV: the Baird Everyman 1-29881
- Capel, V. Vintage TV: the Ekco model TS105 1-34077
- Capel, V. Vintage TV: McMichael model 909 1-47786
- Capelle, A.R. Van de *see* Van de Capelle, A.R.
- Capelle, A. Van de *see* Van de Capelle, A.
- Capelle, F.J.L. Van *see* van Capelle, F.J.L.
- Capelle, J., Vicaud, A. New technical level of power capacitors 1-27636
- Capelle, J. *see* Fournie, R. 1-45725
- Capellini, V., Del Re, E., Francolini, G., Taiuti, S. Advanced MAP restoration—filtering techniques with application to image processing 1-37574
- Cappas, A. *see* Clement, C. 1-34517
- Capio, C.D. *see* Adams, A.C. 1-27948, 1-27950
- Capijack, C.E. *see* Seguin, H.J.J. 1-51331
- Caplan, P.J., Poindexter, E.H. Optical enhancement of the electron paramagnetic resonance signal from  $Si^{III}$  centers at the  $Si/SiO_2$  interface 1-27878
- Caplan, P.J. *see* Poindexter, E.H. 1-36530
- Caplen, R. Using the Weibull distribution to predict the reliability of parts when only small samples are available 1-35700
- Caplovic, I., Povazan, I. Measuring the RMS voltage values 1-52518
- Capon, G. *see* Augustin, J.E. 1-43230
- Caponi, M.Z. *see* Boecher, H. 1-46663
- Caponi, M.Z. *see* Liewer, P.C. 1-46666
- Caporaso, G.J. *see* Briggs, R.J. 1-48400
- Caporriaco, G. *see* di Caporriaco, G.
- Caporossi, D. Optical fibre transmission measurements base band response 1-40909
- Caporossi, D. *see* Triboulet, M. 1-52117
- Capozzi, V., di Giulio, M., Galassini, S., Manfredotti, C., Tepore, A. Lifetime and diffusion length of electrons in p-GaSe by photovoltaic effect measurements at room temperature 1-45966
- Capp, M.P. *see* Roehrig, H. 1-34589
- Capp, P.O. *see* Russell, R.J. 1-32457
- Cappellini, V., Del Re, E. CCD adaptive filtering techniques with applications to communication systems 1-45502
- Cappellini, V., Odorico, L. A new operator for edge detection 1-41831
- Cappellini, V. *see* Cain, G.D. 1-33855
- Cappello, P.R., Steiglitz, K. Some intractable problems in digital signal processing 1-37587
- Cappi, R., Delahaye, J.P., Reich, K.H. PS beam measurements at flat-top fields near transition energy 1-42977
- Cappi, R., Hardt, W.E.K., Steinbach, Ch.P. Ultralow extraction with good duty factor 1-48463
- Cappi, R., Steinbach, Ch. Low frequency duty factor improvement for the CERN PS slow extraction using RF phase displacement techniques 1-43076
- Cappi, R. *see* Boutheon, M. 1-42890
- Capps, R.N., Weber, F.J. Handbook of sonar transducer passive materials 1-52968
- Cappy, A., Fauquemberge, G., Constant, E., Salmer, G., Carnez, B. Comparative potential noise performances of GaAs, GaInAs and GaInAsP submicrometer gate FET's 1-50954
- Cappy, A. *see* Carnez, B. 1-36617, 1-40585
- Capra, R. Automate feeders to improve reliability 1-43650
- Capsimalis, G.C. *see* Frankel, J. 1-38628
- Capsoni, C. First attempts at modelling Earth-to-space radio propagation using SIRIO measurements in the 11 and 18 GHz bands 1-33337
- Capsoni, C., Paraboni, A., Fedi, F., Maggiori, D. A model-oriented approach to measure rain-induced cross-polarization 1-33341
- Caputo, G. *see* Teichholz, L. 1-48697
- Car, S. Electric losses in voltage and frequency controlled induction motor 1-49442
- Car, S., Srb, N. Induction motor speed adjustment by voltage variation 1-49444
- Cara Romeo, G. *see* Basile, M. 1-43250, 1-43251
- Caraballo, N. *see* Mazumder, M.K. 1-52603
- Caravone, A.J., Cram, R.S. Calibration of reference waveform generators using time domain deconvolution 1-52492
- Carberry, R.E. *see* Comber, M.G. 1-38783
- Carbini, P. *see* Carta, M. 1-39266
- Card, H.C. The photoconductivity of polycrystalline semiconductors 1-51253
- Card, H.C. *see* McGonigal, G.C. 1-36518
- Card, H.C. *see* Thomson, D.J. 1-44358
- Card, M.F. *see* Agrawal, P.K. 1-47075

- Cardarelli, C., D'Atri, M.L., Micciarelli, A., Parodi, R. Italian telematic services within framework of the multiservice network 1-41871
- Cardarelli, C. *see* Accarino, N. 1-47431
- Cardarelli, R. *see* Santonico, R. 1-52676
- Cardew, T. Success built on failures 1-35640
- Cardiasmenos, A.G. MIC millimeter receivers with integral GaAs FET IF amplifiers 1-32401
- Cardman, L.S. *see* Axel, P. 1-42900
- Cardon, F. *see* Van Meirhaeghe, R.L. 1-45996
- Carel, M. *see* Henaff, J. 1-36741
- Carrelli, P. *see* Barbanera, S. 1-30410
- Carrelli, P. *see* Cromar, M.W. 1-36845
- Carenco, A., Thioulouse, P., Guglielmi, R. High-speed modulation of an electrooptic directional coupler 1-36969
- Carenco, A. *see* Thioulouse, P. 1-33084
- Carenzi, L., Celeri, F., Chiesa, A. Some applications of electronics to tests on vehicles and tyres 1-38122
- Carette, J.D. *see* Bouchard, C. 1-50732
- Carette, J.-D. *see* Bouchard, C. 1-36443
- Carey, F.J., Jr., Chellis, L.N. Removing microcracks in printed circuit boards by baking 1-50678
- Carey, K. *see* Amano, J. 1-50277
- Carey, P.T. Participative decision making—an Australian model 1-49921
- Carhoun, D.O., Johnson, B.L., Meehan, S.J. Design and hardware implementation of a versatile transform decoder for Reed-Solomon codes 1-33555
- Carhoun, D.O., Johnson, B.L., Meehan, S.J. An architectural design for a fast number-theoretic transformer [code for error-correcting codes] 1-41519
- Carhoun, D.O., Johnson, B.L., Meehan, S.J. VLSI architectural design for a Reed-Solomon transform decoder 1-47137
- Caric, A. *see* Vukovic, Z. 1-37817
- Caristan, A. *see* Zimmermann, H. 1-37758
- Carius, W. Multichannel temperature measuring device with linearization for Pt 100-resistance thermometers 1-52459
- Carla, M. *see* Papeschi, G. 1-30456
- Carleton, G., Esack, A., Graham, M., Holmes, G. Forecasting for telecom decision makers 1-44643
- Carli, A. *see* De Carli, A.
- Carli, B., Iorio-Fili, D. Absorption of composite bolometers 1-48084
- Carli, N., Faggioli, E., Ferrati, E., Gai, D. Data acquisition system for determination of car operating conditions under customer practice 1-38149
- Carlin, C.-H. 'PILOTY' a program for network frequency analysis with dynamic storage management 1-39854
- Carlin, C.-H. *see* Neirynck, J. 1-45168
- Carlin, H.J., Amstutz, P. On optimum broad-band matching 1-32126
- Carlin, H.J., Amstutz, P. Broadband matching 1-50377
- Carlin, H.J., Civalleri, P.P., Hantgan, J.C. Transmission line circuit models for dielectric waveguide 1-41277
- Carlin, H.J., Civalleri, P.P., Hantgan, J.C. Transmission line models for open propagating structures 1-51647
- Carlisle, A.W., Frey, D.R. The Bell connection speeds equipment relocation 55 1-29516
- Carlos, H., Leyris, J.P., Aicardi, J.P. SCLC measurements of cinnabar ( $\alpha$ -HgS) 1-45937
- Carlos, H. *see* Leyris, J.P. 1-46614
- Carlos Tobias, J. Analysis of recovery voltage by tests on high-tension circuit breakers. II. Short line fault conditions 1-44287
- Carlotto, M. *see* Psaltis, D. 1-29225
- Carlotto, M. *see* Trimble, J. 1-41816
- Carlow, T.J. *see* Rodriguez, M.A. 1-37590, 1-41659
- Carlsen, W.J. *see* Melman, P. 1-51434, 1-51481
- Carlson, A. *see* Adielson, T. 1-44166
- Carlson, D.E. Amorphous thin-film devices 1-40528
- Carlson, D.E. Amorphous silicon 1-45101
- Carlson, D.E. The status of amorphous silicon solar cells 1-53676
- Carlson, D.E. *see* Thomas, J.H. 1-31457
- Carlson, D.J., Markum, A.D., Spriggs, R.S., Wong, J.Y. Z-packaging technology for focal-plane assembly 1-47980
- Carlson, G. *see* Palmer, D. 1-45836
- Carlson, G.A., Love, J.T., Urenda, R.S., Spencer, W.J., Eaton, R.P. A portable insulin infusion system with a rotary solenoid-driven peristaltic pump 1-34641
- Carlson, G.A. *see* Schultz, K.R. 1-30944
- Carlson, J. Prospects of scintillator time-of-flight systems 1-38432
- Carlson, J. *see* Burnett, T. 1-53173
- Carlson, L.E., Griggs, G.E. Hard alloy aluminium in contact wires—an engineering feasibility study 1-49771
- Carlson, N.A. *see* Musick, S.H. 1-52149
- Carlson, P.J., Johansson, K.E., Norrby, J., Tavernier, S., van Lancker, L., Kesteman, J., Pingot, O. Tests of a silica aerogel Cerenkov detector to be used in European Hybrid Spectrometer 1-43245
- Carlson, P.J. *see* Asman, B. 1-52675
- Carlson, P.J. *see* Berglund, S.E. 1-36860
- Carlson, R.L., Carpenter, J.P., Casperson, D.E., Gibson, R.B., Godwin, R.P., Haglund, R.F., Jr., Hanlon, J.A., Jolly, E.L., Stratton, T.F. Helios: a 15 TW carbon dioxide laser-fusion facility 1-51347
- Carlsson, A. Limiting of power in electric boilers 1-31690
- Carlsson, K.-G., Svensson, A. A telephone system for foreign exchange trading 1-42004
- Carlsson, L., Ojefors, L. Electrochemical cell systems for energy storage and synthesis of chemical compounds 1-53604
- Carlsson, P. *see* Ask, P. 1-43272
- Carlton, F. *see* Vorlander, F. 1-35507
- Carlton, P.A. *see* Childs, W.H. 1-47580, 1-47651
- Carminati, E. *see* Brandolini, A. 1-52338
- Carneseccchi, G. *see* Behrend, H.-J. 1-43229
- Carnevale, A. *see* Paek, U.C. 1-46501
- Carnevale, A. *see* Peterson, G.E. 1-28953, 1-46500
- Carney, E. *see* Ceckowski, D.H. 1-32586
- Carney, J.K., Fonstad, C.G. Double-heterojunction laser diodes with multiply segmented contacts 1-28707
- Carnez, B., Cappy, A., Fauquembergue, R., Constant, E., Salmer, G. Noise modeling in submicrometer-gate FET's 1-40585
- Carnez, B., Cappy, A., Salmer, G., Constant, E. Modelling of submicrometer gate field effect transistors 1-36617
- Carnez, B. *see* Cappy, A. 1-50954
- Carni, P.L. The use of optical cables transmission media 1-33983
- Carniglia, C.K. Oxide coatings for one micrometer laser fusion systems 1-28756
- Carome, E.F., Koo, K.P. PVF<sub>2</sub> phase shifters and modulators for fiber optic sensor systems 1-38190
- Carome, E.F. *see* Koo, K.P. 1-40890
- Caron, A. An approximation method for finite parts. Application to the solution of singular integral equations 1-27087
- Carpenter, B. *see* Blechschmidt, D. 1-42936
- Carpenter, L.J. *see* Stokes, A.D. 1-35300, 1-44251
- Carpenter, J.M. *see* Crawford, R.K. 1-34459
- Carpenter, J.P. *see* Carlson, R.L. 1-51347
- Carpenter, L.C., Hickson, J.B., Jr., Lallier, K.W., Malone, E.K., Parent, R.M., Patel, P.T. Cell design for masterslice logic chips 1-46279
- Carpenter, P. Harmonic Riemannian manifolds 1-27005
- Carpenter, R.B., Jr. Total isolation from lightning influences [petroleum industry] 1-43774
- Carpenter, R.W. *see* Blanchette, P.E. 1-40307
- Carpeter, B. *see* Baribaud, G. 1-42939
- Carr, G.E. *see* Blythe, A.R. 1-36701
- Carr, J. Considerations in the adoption of a full scale distribution automation system 1-30725
- Carr, J. Detection of high impedance faults on multi-grounded primary distribution systems 1-34961
- Carr, J. Considerations in the adoption of full scale distribution automation system 1-38749
- Carr, J. Detection of high impedance faults on multi-grounded primary distribution systems 1-43662
- Carr, J.R., Sobek, J.S. Digital scene matching area correlator (DSMAC) 1-48803
- Carr, L.A. *see* Goldstein, B. 1-53615
- Carr, M.J. Getting a line on data communications 1-47376
- Carr, M.M. Benefits and pitfalls of electronic mail 1-47364
- Carrara, G., Moretti, A., Tantussi, G. A new method for the analysis of electromechanical transients of double cage asynchronous motors 1-53449
- Carraro, F., Pellegrini, G. Economic evaluations and forecasts for optical fibre transmission systems at 1.2-1.5  $\mu$ m 1-29731
- Carraz, L.C. *see* Bjornstad, T. 1-48551
- Carraz, L.C. *see* Vosicki, B. 1-52655
- Carre, B.A. *see* Dorey, A.P. 1-26789
- Carreno, C. *see* De Battista, C.E. 1-30771
- Carrick, A. Minicomputer techniques in scientific instrumentation 1-52364
- Carriere, B., Lang, B. Study of metal-semiconductor contacts by AES, ELS and UPS 1-32706
- Carrington, O.N., Ward, D.M. Research into the failure of 400 kV switchgear 1-44299
- Carrión, L.P. *see* Hittler, D.L. 1-31630
- Carroll, A. *see* Allinger, J. 1-43104
- Carroll, A.M. Proximity-effect correction with linear programming 1-27908
- Carroll, A.S. *see* Allinger, J.E. 1-43103
- Carroll, B. Speech synthesis—bridging the gap between machine and man 1-41544
- Carroll, D.P., Ong, C.M. Coordinated power modulation in multiterminal HVDC systems 1-30704
- Carroll, D.P., Ong, C.M. Coordinated power modulation in multiterminal HVDC systems 1-38730
- Carroll, D.P. *see* Lefebvre, S. 1-43645
- Carroll, J.C. *see* Rush, C.M. 1-33351
- Carroll, J.E., Probert, P.J. 10-port reflectometer with wide dynamic range 1-42735
- Carroll, J.E. *see* White, I.H. 1-46734
- Carroll, J.E. (editor) Solid State Devices 1980. Tenth European Solid State Device Research Conference (ESSDERC) and the Fifth Symposium on Solid State Device Technology 1-35564
- Carroll, L.B. Multiwinding choke for switching regulator 1-45267
- Carroll, M.P., Peterson, G.W. In-circuit tester takes on ECL, TTL, and MOS devices 1-52339
- Carroll, R.L. Loop transient measurements in Cleveland, South Carolina 1-29485
- Carroll, R.L., Miller, P.S. Loop transients at the customer station 1-29484
- Carroll, T.O. Energy management training for developing countries 1-30589
- Carroll, W.H., Linden, V.L., Waldo, C.R. Diagnostic specification—a proposed approach 1-44750
- Carroll, W.J. *see* Bourcy, N.E. 1-49194
- Carron, G. *see* Austin, B. 1-42891
- Caruthers, T.F., Weller, J.F., Taylor, H.F., Mills, T.G. Oscillation burst generation in transferred-electron devices with picosecond optical pulses 1-32782
- Carrier, R. *see* Mazur, G. 1-38732
- Carsalade, H. *see* Bersac, J.M. 1-47422
- Carson, M. *see* Ross, D.W. 1-43664
- Carstea, I.T. Method of finite elements for DC electric machines 1-35183
- Carta, M., Alfano, G., Carbin, P., Ciccu, R., Del Fa, C. Triboelectric phenomena in mineral processing. Theoretical fundamentals and applications 1-39266
- Carter, A.C. Light-emitting diodes for optical fibre systems 1-47688
- Carter, A.C. *see* Goodfellow, R.C. 1-33152, 1-37169
- Carter, A.F. *see* Browell, E.V. 1-34016
- Carter, A.L. *see* Hargrove, C.K. 1-43237
- Carter, C., Christiansen, C., Donnat, J., Gelato, G., Le Gras, M., Schonauer, H., Williams, D.J. The transverse feedback system for the CERN PS Booster 1-42940
- Carter, C. *see* Baribaud, G. 1-42934
- Carter, D.A. *see* Ecklund, W.L. 1-46881
- Carter, E.L., Underwood, J.H. Integrated checking for high-speed array multiplier 1-32269
- Carter, E.L., Underwood, J.H. Software checking of high-speed array multiplier 1-32270
- Carter, G., Lee, L.S. A sample survey of departments of electrical engineering to ascertain the aims, objectives and methods of assessing first-year undergraduate laboratory work in electronic and electrical engineering 1-44621
- Carter, G. *see* Tognetti, N.P. 1-36525
- Carter, G.C. *see* Nuttall, A.H. 1-47199
- Carter, G.C. *see* Scarbrough, K. 1-41663
- Carter, G.G. Time delay estimation for passive sonar signal processing 1-41652
- Carter, G.S. A real-time tape duplication system 1-34153
- Carter, H.B. *see* Berman, E. 1-48754
- Carter, H.K. The UNISOR isotope separator facility 1-38334
- Carter, H.L., Jr. *see* Weissmann, G.F. 1-34232
- Carter, R.A. *see* Lee, F.C. 1-53537
- Carter, R.L., Owens, J.M., Brinlee, W.R., Sam, Y.W., Smith, C.V., Jr. Tunable magnetostatic surface wave oscillator at 4 GHz 1-46438
- Carter, R.L. *see* Brinlee, W.R. 1-46435
- Carter, R.L. *see* Owens, J.M. 1-36829, 1-36834
- Carter, R.W., Willats, T.F. The design and performance of a bulk wave Bragg cell spectrum analyzer 1-40982
- Carter, S.G., Barlow, H.M. New development in HF coaxial cable 1-42146
- Carter, T.J. *see* Cooper, R. 1-28187
- Carter, W.H. *see* Courjon, D. 1-28797
- Cartianu, G., Constantin, I., Dragulescu, M. Noise in digital transmission of packets of symbols [underground distribution system safety] 1-37523
- Cartianu, G., Preda, A.D., Ivanciovici, M. Time information transmission system 1-47412
- Cartier, D.E. Computer/TV interface 1-29872
- Cartmill, B., Murray, T.M., Jr., Laukhuf, W.L. A microprocessor-based control for a coal cleaning system 1-44564
- Caruette, A. *see* Paris, P. 1-48327
- Caruso, E., Chevallard, G., Filoni, L., Gasparini, C., Gray, A., Wenger, D. Irradiation and post-irradiation facilities in a radiation damage research 1-38342
- Caruso, E., Cristofori, F. Recent activities at the CISE tandem 1-43126
- Caruso, R. *see* Vella-Coleiro, G.P. 1-46395
- Carvalho, J.M. *see* de Carvalho, J.M.

- Carvalho, L.M.I. *de see de Carvalho, L.M.I.*
- Carver, G.P., Linholm, L.W., Russell, T.J. Use of microelectronic test structures to characterize IC materials, processes, and processing equipment 1-46212
- Carver, K.R., Mink, J.W. Microstrip antenna technology 1-28996
- Carver, K.R. *see* Jedlicka, R.P. 1-29001
- Carver, M.N. The computer environment and the efficient use of energy 1-36090
- Cary, J.R. *see* Kwan, T.J.T. 1-37050
- Casa, S. *Della see Della Casa, S.*
- Casadevall, F. *see* Agusti, R. 1-47089
- Casajus, A., Dominiak, W. A precision adjustment system for polycrystal diffractometry (PCD) equipment 1-50346
- Casale, R. *see* Bonaventura, G. 1-47505
- Casalini, G., Corazzari, T., Garofano, T. Evidence for the substitutional nature of the TSC traps in anthracene crystals 1-45962
- Casano, L. *see* Federici, L. 1-43268
- Casasent, D. Pattern recognition: a review 1-33684
- Casasent, D. Optical pattern recognition 1-41801
- Casasent, D. Optical data processing: status report 1-47234
- Casasent, D. *see* Barniv, Y. 1-47959
- Casasent, D. *see* Psaltis, D. 1-29225
- Casasent, D. *see* Trimble, J. 1-41816
- Casasent, D. *see* Vijaya Kumar, B.V.K. 1-33680
- Cascino, G.M., Ashley, J.R. Digital simulation of loudspeaker systems 1-42477
- Cascio, F., Martinelli, G., Orlandi, G., Salerno, M. Adaptive equalizer with inherent optical adjusting step. III. Implementation by an INTEL 8080 microprocessor 1-42012
- Case, C.C. The use of impedance plethysmography in the measurement of cardiac output 1-34618
- Case, R.D. Digital in-circuit automatic test generation 1-47926
- Case, S.K., Haugen, P.R., Lokberg, O.J. Multifacet holographic optical elements for wave front transformations 1-51531
- Case, S.K. *see* Indebetouw, G. 1-36995
- Case, W.R., Johnson, W.E. Film thickness measurement correction 1-42745
- Casella, L. *see* Burgassi, M. 1-47417
- Cases, M., Kraft, W.R., Moore, V.S., Stahl, W.L., Jr., Thoma, N.G. PLA delay reduction circuit 1-27542
- Cases, M. *see* Ashley, C.L. 1-36077
- Casey, D.D. *see* Hendel, R.H. 1-46118
- Casey, E.J. Reflections on some recent studies of materials of importance in aqueous electrochemical energy-storage systems 1-44330
- Casey, R.G. Coarse-fine OCR segmentation 1-29214
- Casey, R.G., Herbst, N.M. Fax compression using clustering 1-47426
- Cash, T.W., Owen, L.B. Signal analysis via a radar system data acquisition and processing tool 1-42317
- Cashin, J. Data transfer topics 1-29418
- Cashin, J. Data transfer topics 1-29419
- Cashman, J.D., Bolomey, J.C. The biconical antenna and its analysis by the geometrical theory of diffraction 1-51651
- Cashmore, J.P. Out of band performance of TRLs 1-47741
- Caskey, D.L., Clark, R.P., Verardo, A.E. Sandia battery program for energy storage in photovoltaic systems 1-31414
- Caskey, G. *see* Barker, M.D. 1-43164
- Caskey, G. *see* Haeblerli, W. 1-43150
- Caspers, F. *see* Plattner, A. 1-45648
- Casperson, D.E. *see* Carlson, R.L. 1-51347
- Casperson, L.W. Electromagnetic modes of an inhomogeneous sphere 1-51578
- Casperson, L.W., Scheinert, P.M. Multipass resonators for annular gain lasers 1-33251
- Casperson, L.W. *see* Guo-Sheng Zhou 1-37174
- Caspi, P., Pulou, J. A method for improving the reliability of functionally distributed networks 1-35691
- Caspi, S. *see* Althaus, R. 1-43113
- Caspi, S. *see* Gilbert, W.S. 1-48532
- Caspi, S. *see* Taylor, C. 1-43114, 1-51112
- Cass, J.R., Smith, A.D. Operator position assistance system (OPAS-I) 1-37800
- Cass, T.R. *see* Kamins, T.I. 1-50283
- Cassada, T.E., Garcia, J.E., Tarver, L.E. Dynamic storage of image data 1-29387
- Cassagne, P. *see* Rodot, H. 1-39759
- Cassagnou, Y. *see* Alard, J.P. 1-52717
- Cassar, A.G., Harris, R.W. Calculation of high current transients using standard shunts 1-43802
- Cassard, P., Corkum, P.B., Alcock, A.J. Solvent dependent characteristics of XeCl pumped UV dye lasers 1-33196
- Cassas, D. Portable tester learns boards to simplify service 1-38085
- Casseday, M.W., Berg, N.J., Abramovitz, I.J., Lee, J.N. Wide-band signal processing using the two-beam surface acoustic wave acousto-optic time integrating correlator 1-37857
- Casseday, M.W. *see* Abramovitz, I.J. 1-32958
- Casseday, M.W. *see* Lee, J.N. 1-33659
- Cassel, D.G., Kowalski, H. Pattern recognition in layered track chambers using a tree algorithm 1-48630
- Casselman, T.N. Calculation of the Auger lifetime in p-type  $Hg_{1-x}Cd_xTe$  1-36474
- Cassera, T. Microcomputer tester 1-52427
- Cassidy, B.M., Combs, S.G. Edge-triggered set/reset latch 1-45384
- Cassidy, B.M., Rugila, G. Output buffer for a programmed logic array 1-45385
- Cassidy, M., Mount, R.M., Nowotny, H.G. Developing engineers in a high technology industry—a practical approach to rapid change 1-31780
- Cassidy, S.A. *see* Kashyap, R. 1-40952
- Castagne, R. *see* Laval, S. 1-51259
- Castagnolo, B. *see* Colonnese, G. 1-37565
- Castaneda, J.A. *see* Bostrom, D.E. 1-52911
- Castaner, L., Mas, A. Considerations on photovoltaic system design 1-35363
- Castaner, L. *see* Calderer, J. 1-35367
- Castanheira, A. *see* Deri, A. 1-49157
- Castanie, F. Stochastic computing: a bridge between signal processing and digital computing 1-27051
- Castanie, F. *see* Vernieres, F. 1-36124
- Castano, J.L. *see* Garrido, J. 1-41002
- Castella, F.R. Tracking accuracies with position and rate measurements 1-47704
- Castellano, J.A. Reliability and standards in the USA [liquid crystals] 1-40974
- Castellano, R.N. Pattern delineation by ion beam milling 1-36412
- Castellanos, R. Direct current motors of low time constant 1-39008
- Castelli, R. *see* Osterfield, J.R. 1-33984
- Castelli, V. *see* Hughes, G.F. 1-28239
- Castelvetri, A. *see* Basile, M. 1-43251
- Castenschio, R. *see* Daley, J.M. 1-34744
- Castera, J.P., Volluet, G., Hartemann, P. New configurations for magnetostatic wave devices 1-36830
- Castiglioni, M. *see* Acerbi, E. 1-42896
- Castillo, F. *De La Cruz see De La Cruz Castillo, F.*
- Castle, D. Small is beautiful—the case for medium-speed [diesel engines] 1-53287
- Castle, G.S.P. *see* Inculot, I.I. 1-37274
- Castle, J.G., Jr. *see* Tanton, G.A. 1-46893
- Castonguay, J. *see* St-Jean, G. 1-35323
- Castro, C.F. *Ferreira de see Ferreira de Castro, C.F.*
- Castro, E. *de see de Castro, E.*
- Castro, E. *de see de Castro, E.*
- Castro Madero, C. Meeting the needs of developing countries 1-43846
- Castruccio, P.A. The technical and economic role of space technology in terrestrial mobile communications 1-42197
- Castruccio, P.A. *see* Knouse, G.H. 1-47553
- Caswell, R.J. *see* Brown, E.R. 1-50525
- Catalano, A. *see* Kazmerski, L.L. 1-49691
- Catalano, A. *see* Nayar, P.S. 1-53612
- Cataldi, F. *see* Bonaventura, V. 1-47452
- Cataldi, M. *see* Boreggi, C. 1-47453
- Cataldo, G. *Di see Di Cataldo, G.*
- Cataldo, J.T. Add-on accessory for your DMM [digital multimeters] 1-38235
- Catalfo, J.M., Vignoni, J.R., Battaiotto, R.F. Speed regulator for DC motors 1-31249
- Catania, B., Dogliotti, R., Sartori, L. Telemedicine research and experiment 1-38469
- Catchpole, R.J., Dyke, P.J. Design and assessment of primary PCM line repeaters 1-42139
- Catenacci, G. High power testing II 1-35298
- Cater, V. *see* Stinehelfer, J. 1-32291
- Cates, B.E. *see* Blazey, R.N. 1-33300
- Cates, C.E. *see* Smith, D.G. 1-43295
- Catherine, Y. *see* Turban, G. 1-27156
- Cathey, J.J., Nasar, S.A. Design aspects of end-turn bands and coil supports with reference to commutation of DC machines 1-31244
- Catier, E. Mini-printers for mini-computers 1-37706
- Catier, E. Optical fibres: for industry also 1-40898
- Catier, E. Towards colour visual display terminals 1-42537
- Catier, E. Nondestructive testing 1-50345
- Cato, R.T., Laurer, G.J. High-voltage power-supply regulator 1-27272
- Cato, R.T., Stokes, O.L., Swanson, L.H. Laser shut-down circuit for holographic scanner 1-33291
- Cato, R.T., Swanson, L.H. Dual-path item sensor and control circuit 1-38168
- Catoni, E. *see* Bagnoli, P. 1-42106
- Catos, H.C. *see* Holmes, D.E. 1-27094
- Catt, I. Wafer-scale integration [of memory chips] 1-40673
- Cattai, A. *see* Breskin, A. 1-34284
- Cattell, A.F. *see* Alder, C.J. 1-41021
- Cattermole, P.A. Optimizing flyback transformer design 1-31295
- Catton, F.D., Berney, L.G. Toronto Transit Commission Communications and Information System evaluation of operational tests 1-29656
- Cauchois, Y. *see* Fleuret, N. 1-34479
- Caudras, C.M., Auge, J. A continuous general multivariate distribution and its properties 1-35774
- Caudron, L., Montfort, J. Heat sinks for nuclear generating stations. I 1-43851
- Caudron, L., Montfort, J. The cold source of nuclear power stations. II. Closed-circuit refrigerations. Evaluation of heat rejectors 1-53194
- Caughey, S.J. *see* Mousley, T.J. 1-34379
- Caulder, S.M., Simon, A.C. Lead-acid battery overview 1-44337
- Caulder, S.M. *see* Wales, C.P. 1-31401
- Caulfield, H.J. Centroid detectors in metrology 1-30126
- Caulfield, H.J., Dvorn, D. Eigenvector determination by noncoherent optical methods 1-47232
- Caulfield, H.J., Haimes, R. Optimum use of data in space-variant optical pattern recognition 1-29218
- Caulfield, J.J., Hansen, H.E., Rio, R.S., Torino, A.C. Modification of high vacuum 'slit valve' to reduce particle generation 1-27944
- Caulton, M., Rosen, A., Stabile, P., Gombar, A. The development of high-power low-frequency PIN diodes 1-46107
- Caumont, M. *see* Oustry, A. 1-40457
- Caupers, P., Rioux, C., Rioux-Damida, F. New type of ultrafast circuit breaker: its principle and performances 1-31363
- Causevic, S., Kalauz, D. Extension of the telegraph network facilities with AXB 20 1-51923
- Caussin, C. Imaginary component and harmonics of the electrical current in industrial installations 1-35255
- Cauterman, M. *see* Degauque, P. 1-28922
- Cava, F.P. *see* Clark, P.W. 1-49547
- Cava, M.L. *see* La Cava, M.
- Cavaliere, S., Ortosecco, I., Piccialli, A., Fedullo, V. A digital IIR implementation for a psychometric weighting filter with 7 bit coefficients 1-45524
- Cavallari, G. *see* Bernard, P. 1-48533
- Cavallarin, B. *see* Beltrami, M. 1-39174
- Cavallaro, S. *see* Arona, N. 1-48626
- Cavalleri, G. *see* Spavieri, G. 1-31165
- Cavalli, A. Calculating CRT beam currents 1-45872
- Cavenett, B.C. *see* Killoran, N. 1-27825
- Cavestro, A. *see* Charkap, G. 1-34491
- Cavey, T. Parameter trade-offs in power transistors 1-32803
- Cavin, R.K., III *see* Brice, C.W., III 1-53049
- Caw, J.M. Tracking elliptical orbit satellites 1-38546
- Cawell, A.E. Information technology and communications 1-33822
- Cawley, M.E. *see* Hastings, M. 1-53154
- Caylor, R. *see* Avery, R. 1-42826
- Cazacu, St. *see* Apostol, D. 1-51543
- Cazacu, St. *see* Stanciu, I. 1-37189
- Cazelet, E.G. Integrated modeling for analysis of energy policy decision's 1-30664
- Ce-jun Wei *see* Wei Ce-jun
- Ceausescu, N. *see* Popovici, C. 1-32533
- Ceballos, A. *see* Perez Ferreira, E. 1-42853
- Cebe, L. Discrete and quick Fourier transformation 1-45069
- Cebulka, J.M. *see* Tiedje, T. 1-50798
- Cecan, D. *see* Fara, V. 1-35097
- Cecchi, G.C. *see* Bordin, G. 1-28226
- Ceccotti, G. Modified sine-wave generator 1-27334
- Ceccotti, G. Economic A-D and D-A converter for general use 1-27569
- Ceckowski, D.H., Eberhardt, E., Carney, E. Proximity focused microchannel plate photomultiplier tubes 1-32586
- Cederbaum, I. *see* Rokos, G.H.S. 1-45235
- Cederlund, G., Lemnell, P.A. Activity recording of radio-tagged animals 1-30026
- Cedervall, M., Sundberg, C.-E. A class of perfect block codes for the binary channel associated with differentially encoded PSK signals with coherent detection 1-37416
- Cegrell, U. Capacities and extremal plurisubharmonic functions on subset of  $C^n$  1-35703
- Cejas, U.J.P. Relationship between colour and phase of chrominance subcarrier [colour television] 1-29897
- Celani, F. *see* Baldini-celio, R. 1-27355
- Celebi, Y. *see* Akurgal, A.S. 1-42039
- Celebiler, M., Hirshfield, E., Sanli, N., Tom, N. Satellite communications network control 1-47619
- Celeri, F. *see* Carenzi, L. 1-38122
- Celette, J. *see* Abrial, L. 1-53810
- Celotti, G. *see* Armigliato, A. 1-40986
- Cennamo, F., Novello, E.I., Vaccaro, R. A digital wattours ratio meter 1-30189
- Centkowski, G., Starzyk, J. Topological synthesis of LLF networks 1-27224
- Cepatelli, L. *see* Adorni, N. 1-38568
- Ceradini, F. *see* Bacci, C. 1-43236
- Cereja, F. *see* Boussin, J.L. 1-31382
- Ceremuga, J. A dynamic model of the p-n-n<sup>+</sup> step recovery diodes for the numerical analysis of pulse circuits 1-46104
- Ceresara, S. *see* Annaratone, B. 1-28302

- Cerini, D.J.**, Hays, L.G. Power production from geothermal brine with the rotary separator turbine 1-31073
- Cermak, J.**, Grolmus, J., Smolka, P. Preparation of GGG substrates for epitaxy of magnetic garnets 1-45086
- Cernat, M.** Study of three-phase thyristor inverter considering the non-linear characteristics of the thyristor 1-39049
- Cernomazu, D.** Remarks on the behaviour linear type switch plugs in operation. Contribution to their improvement 1-49604
- Cernusca, C.** *see* Boscoianu, D. 1-49602
- Cernuschi-Frias, B.**, Rocha, L.F. A delay-lock period estimator 1-47192
- Cerofolini, G.F.**, Ferla, G., Foglio Para, A. Detection mechanisms in silicon diodes used as  $\alpha$ -particle and thermal neutron detectors 1-52690
- Cerovsky, Z.**, Bernat, F., Vecerka, T. Dynamical braking of drives with voltage inverters and induction motors 1-31500
- Cerutti, S.** Italian industry of biomedical apparatus 1-34722
- Cerutti, S.**, Gatti, E., Masciadri, L. Digital filtering and baseline-drift correlation algorithms in the computerized pre-processing of ECG tracings 1-43351
- Cerutti, S.**, Pedotti, A. Electronics looks after your health 1-48672
- Cervellera, F.**, Signorini, C. Column and ladder-ron tests at the XTU tandem of the Laboratori Nazionali di Legnaro 1-42840
- Cerven, I.**, Madar, J. Simple graphite monochromator for diffractometer TUR-62 1-38460
- Cervenak, J.** *see* Konakova, R.V. 1-27986
- Cervenka, B.** Analysis of stresses imposed on slot insulation of large machines 1-49424
- Cervenka, B.** The influence of technological innovations on the design of HV insulating systems for electrical machines 1-53337
- Cervenka, P.O.** Saturation effects in photorefractive lithium niobate 1-40743
- Cesare, P.D.** *see* Di Cesare, P.
- Cesari, S.**, Yakov, S. Switching surge response of transformer insulation designed on the basis of power frequency PD inception volt-time curves 1-44162
- Ceschia, M.**, Zecchin, G. Asymptotic amplitude from a two-parameter strongly nonlinear oscillator 1-32222
- Ceschia, M.**, Zecchin, G. Asymptotic amplitudes from a three-parameter oscillator 1-32223
- Cesini, G.**, Di Filippo, P., Lucarini, G., Guattari, G., Pierpaoli, P. The use of charge-coupled devices for automatic processing of interferograms 1-28799
- Cesky, T.** Modelling the passage of electromagnetic waves through a region of atmospheric precipitation 1-41247
- Cesnak, L.** *see* Kokavec, J. 1-38261
- Cester, R.**, Fitch, V.L., Montag, A., Sherman, S., Webb, R.C., Witherell, M.S. Results on the performance of a broad band focusing Cherenkov counter 1-34429
- Cetin, I.** Maximum power transfer theorem in power engineering 1-53352
- Cetin, I.** On the limiting e.m.f. curve of an alternator operated with a load angle limiter 1-53405
- Ceuterick, F.** *see* Hennau, F. 1-38234
- Cezairliyan, A.**, Miller, A.P. A transient (subsecond) technique for measuring heat of fusion of metals 1-34390
- Cha Chung-Chi** *see* Chung-Chi Cha
- Cha-Mei Tang**, Sprangle, P. Nonlinear analysis of the free-electron lasers utilizing a linear wiggler field 1-51317
- Cha-Mei Tang** *see* Sprangle, P. 1-48398
- Chaari, A.** *see* Bae, P. 1-30060
- Chaban, V.I.** Using the internode voltage method in power engineering calculations 1-34820
- Chabanov, A.I.** *see* Bai, R.D. 1-31728
- Chabert, A.**, Gendreau, G., Lapostolle, P., Yvon, P. Bunch length compression inside a separated sector isochronous cyclotron and related problems 1-42902
- Chabrierie, J.P.** Small power electromagnetic unipolar torque converter using liquid metal 1-53499
- Chacon, C.C.**, Ehn, D.S., Reed, G.S. Polyurethane coating of high voltage power supplies 1-36079
- Chadha, R.** *see* Gupta, K.C. 1-47004
- Chadha, R.** *see* Raina, M.K. 1-46868
- Chadin, A.B.** *see* Gukov, A.I. 1-38787
- Chadwick, G.G.**, Chariat, J.G., Gee, W., Hung, C.C., McFarland, J.L. Adaptive antenna/receiver-processor system 1-51708
- Chadwick, H.**, Matthews, D., Tsuji, Y., Yoshizawa, R. Performance of a TDMA burst modem through a dual nonlinear satellite channel 1-47607
- Chadwick, J.W., Jr.**, Alenduff, P.D. TVA installs all-solid-state revenue metering 1-49195
- Chadwick, P.** Understanding receiver parameters. II 1-29609
- Chadwick, P.** Understanding receiver parameters. I 1-29627
- Chadwick, P.E.** A high speed TTL driver 1-27432
- Chadwick, P.E.** Frequency synthesizer for CB 1-52054
- Chaffey, J.T.** *see* Chin, L.M. 1-34633
- Chaffin, R.J.** The resonant mode PIN switch 1-27984
- Chaffin, R.J.** Migration of silver from silver-loaded polyimide adhesive chip bonds at high temperatures 1-39831
- Chaffin, R.J.**, Dawson, L.R. Gallium phosphide high temperature diodes 1-36594
- Chaffin, R.J.** *see* Cape, J.A. 1-44376
- Chaffin, R.J.** *see* Zipperian, T.E. 1-36607
- Chagoya-Guzman, A.**, Fonlupt, J. Resolution of the bilinear programming problem via a relaxation method 1-44945
- Chahal, J.S.** Linear reluctance machines for urban transport 1-49502
- Chai, H.D.**, Kuntzleman, H., Mitchell, J.W., Sambucetti, C.J. Continuity test and failure detection on electrical modules and circuits 1-26953
- Chai, H.D.**, Schacht, G.H. Stepped-tooth configuration for stepper motors 1-35198
- Chai, Y.G.**, Chow, R. Source and elimination of oval defects on GaAs films grown by molecular beam epitaxy 1-39762
- Chai, Y.G.** *see* Yeats, R. 1-37046
- Chai Yao** *see* Ma Xiaoshan 1-32053
- Chaika, G.E.**, Glushchenko, A.A., Zhuk, V.L. On mathematical simulation of low-frequency noises in computing circuits on the metal-semiconductor basis 1-32852
- Chaikin, A.A.** *see* Alent'ev, A.N. 1-30329
- Chaikin, P.M.** *see* Pel'ts, B.B. 1-31650
- Chaiko, K.I.** The use of Walsh functions for data transmission over channels with short-term interruptions 1-37389
- Chakacherry, E.A.** *see* Kar, S. 1-53647
- Chaki, A.K.** *see* Lahiri, S.K. 1-28210, 1-36791
- Chakraborty, D.K.** *see* Seshan, K. 1-28235
- Chakraborty, N.B.** *see* Kal, S. 1-28959
- Chakraborty, A.**, Das, B.N., Sanyal, G.S. Determination of phase functions for a desired one-dimensional pattern 1-41295
- Chakraborty, D.**, Jones, M.E. Laboratory simulation results of 120 Mbit/s QPSK nonlinear channel models 1-47606
- Chakraborty, D.**, Wolejsza, C., Campanella, S.J. Application of maximum likelihood sequence detection in nonlinear satellite channels 1-47632
- Chakravarthy, C.V.**, Georganas, N.D., Shiva, S.G.S. An incremental adaptive quantizer: a novel quantization scheme 1-47103
- Chakravarti, A.N.**, Ghatak, K.P., Dhar, A., Ghosh, K.K., Ghosh, S. Effect of size quantization on the Einstein relation in ultrathin films of semiconductors 1-50769
- Chakravarti, S.N.**, Das, P., Webster, R.T., Bhat, K.N. CW argon laser annealing of anodic oxide on GaAs 1-36532
- Chakravarti, S.N.** *see* Das, P. 1-44365
- Chakravarty, B.C.** *see* Jain, G.C. 1-50759
- Chakravarty, H.S.** *see* Srinivasa Chakravarty, H.S.
- Chalasinska-Macukow, K.**, Szoplik, T. Reconstruction of a Fraunhofer hologram recorded near the focal plane of a transforming lens: experiment and results 1-33289
- Chalaya, A.T.**, Kanov, L.H. Calculating the maximum overvoltage when tripping an induction motor 1-53432
- Chalilov, F.Ch.** *see* Kostenko, M.V. 1-43776, 1-53111
- Challener, P.** Waveform correctors for use in reduced bandwidth video systems in the local network 1-47811
- Challener, P.** *see* Corbett, J.M. 1-41261
- Chalmers, B.J.**, Tuncay, R.N., Penman, J., Kamar, A. Studies of a linear induction motor with unlaminated secondary 1-49496
- Chalmers, B.J.** *see* Penman, J. 1-44122
- Chalmers, D.**, El Fatatry, A. Partial response regeneration for high speed optical communication systems 1-42265
- Chalmers, I.D.**, Farish, O., Greenshields, R. Insulating coatings on electrodes in transformer oil 1-36723
- Chalmers, S.M.** *see* Bahder, G. 1-34882, 1-38758
- Chaloupka, H.**, Ostwald, O., Schiek, B. Structure independent microwave moisture-measurements 1-48259
- Chal'yan, K.M.** *see* Meerovich, E.A. 1-43681
- Chalyi, Yu.R.** *see* Mukhametshin, V.I. 1-30289
- Cham, W.K.** *see* Patrick, P.J. 1-41585
- Chamberlain, G.E.** *see* Franzen, D. 1-51146
- Chamberlain, G.E.** *see* Franzen, D.L. 1-36924
- Chamberlain, J.K.** *see* Robinson, J.M. 1-42171
- Chamberlain, S.**, Rutz, R.F. Time delay and integration imager in GaAs 1-52465
- Chamberlain, S.G.**, Husain, A. Three-dimensional simulation of VLSI MOSFETs: an aid for device analysis, design and device optimization 1-40679
- Chamberlain, S.G.** *see* Kumar, R. 1-32786, 1-36508, 1-36509
- Chamberlin, D.D.**, Minerbo, G.N., Teel, L.E., Gilpatrick, J.D. Noninterceptive transverse beam diagnostics 1-42964
- Chamberlin, D.D.** *see* Brousseau, A.T. 1-42949
- Chamberlin, E.P.**, York, R.L., Williams, H.E., Rios, E.L. Improvements in the LAMPF Lamb-shift polarized source 1-43154
- Chambers, B.C.**, Backus, C.E. Measurement of the spectral response of silicon solar cells under highly illuminated conditions 1-53686
- Chambers, D.S.**, Wellbeloved, R. Engineering for the fourth UHF TV channel in the United Kingdom 1-47759
- Chambers, J.G.** An evolutionary approach to the introduction of direct broadcasting satellite service 1-29855
- Chambers, M.** *see* Avery, R. 1-42826
- Chambers, M.J.** The performance of electric hot water systems and its impact on load management and tariff formulation 1-43577
- Chambers, M.T.** Reliability analysis computer programs for the management scientist 1-31911
- Chambers, S.A.** *see* Davis, P.R. 1-31485
- Chamier, J.K.** Transition joints for paper insulated to XLPE insulated 22 kV cables 1-49149
- Chaminant, G.** *see* Bouley, J.C. 1-41080
- Chamorel, P.A.** The optimisation of the production of active and reactive power in an electrical high voltage network by linear programming 1-30711
- Chamorovski, Yu.K.** *see* Grigor'yants, V.V. 1-33057
- Chamorro, R.S.**, Anderson, M.A., Richards, E.F. Fast transient contingency evaluation in power systems 1-38664
- Chamorro, R.S.**, Anderson, M.D., Richards, E.F. Fast transient contingency evaluation in power systems 1-34779
- Champagne, R.** *see* Bosio, R.G. 1-32221
- Champion, J.R.**, Pries, R.W. Dynamic voltage change sensing circuit useful for paper-on-drum detection 1-30080
- Champhess, C.H.**, El-Azab, M.I. Reverse characteristics of rectifying Te-Se-Cd structures 1-40454
- Champhess, R.D.** Lightning protection for high-pass filter 1-40088
- Chan, A.H.**, Games, R.A. (n,k,t)-covering systems and error-trapping decoding 1-33564
- Chan, B.S.** *see* Scherer, D. 1-30142
- Chan, C.-J.**, Wang, S.-T., Dawson, J.W. Vapor locking and heat transfer of multiple layers [superconducting magnets] 1-28404
- Chan, C.K.**, Farhat, N.H. Frequency swept tomographic imaging of three-dimensional perfectly conducting objects 1-42285
- Chan, G.H.**, Lim, M.H. A conjecture involving generalized matrix functions 1-39487
- Chan, H.C.** *see* Taylor, D.P. 1-29068
- Chan, J.Y.**, Barnes, J.J., Maxwell, D.A. 64K dynamic RAM 1-32293
- Chan, J.Y.**, Maxwell, D.A., Muschinske, J.E., Barnes, J.J. Maximizing a 64-K RAM's operating margins 1-32250
- Chan, K.C.** *see* Ormrod, J.H. 1-42859
- Chan, K.C.D.**, Bird, R.T.F., Coulas, M.F., McKeown, J., Shin, Y.M. Experiments with beam position sensors 1-42958
- Chan, K.K.**, Raab, A.R. Characteristics of beam waveguides 1-41441
- Chan, K.K.**, Raab, A.R. Surface-current analysis of distorted reflector antennas 1-47022
- Chan, L.C.**, Moffatt, D.L., Peters, L., Jr. Subsurface radar targets imaging estimates 1-37956
- Chan, L.C.**, Peters, L., Jr., Moffatt, D.L. Improved performance of a subsurface radar target identification system through antenna design 1-42308
- Chan, M.** Video tape 1-42444
- Chan, R.K.** Dielectric properties of substituted carboxylic acids 1-32896
- Chan, S.** *see* Schenk, K.F. 1-49016
- Chan, S.M.** *see* Schweppe, F.C. 1-48963
- Chan, S.P.** *see* Onaga, K. 1-31988
- Chan, V.W.S.** Soft decision decoding for PPM optical channels with direct detection 1-29122
- Chan, V.W.S.** The computation cut-off rate  $R_{comp}$  for an optical channel with multilevel AM signaling and direct detection receivers 1-33439
- Chan, V.W.S.** The capacity and computation cut-off rate of a multiple-user random-access communication system 1-33469
- Chan, W.L.**, Ng, S.K. Minimum principle for systems with boundary conditions and cost having Stieltjes-type integrals 1-39498
- Chan, W.S.** Detector-charge-coupled device (CCD) interface methods [focal plane arrays] 1-47978
- Chan, W.S.** Focal plane architecture: an overview 1-52390
- Chan, W.Y.**, Hay, D.R., Suen, C.Y., Schwebel, O. Application of pattern recognition techniques in the identification of acoustic emission signals 1-30059
- Chan, Y.T.**, Lavoie, J.M.M., Plant, J.B. A parameter estimation approach to estimation of frequencies of sinusoids 1-33612
- Chan, Y.T.**, McCabe, P.J., Plant, J.B. Nonlinear estimation of frequency and phase of a sinusoid in noise 1-37595
- Chan, Y.T.**, Riley, J.M.F., Plant, J.B. Modeling of time delay and its application to estimation of nonstationary delays 1-41668

- Chan Chi-Foon *see* Chi-Foon Chan  
 Chan Chung-Yee *see* Chung-Yee Chan  
 Chan Man-Loong *see* Man-Loong Chan  
 Chan Shu-Park *see* Shu-Park Chan  
 Chan Yiu-Fai *see* Yiu-Fai Chan  
 Chan-tung, N. *see* Aubert, J. 1-38397  
 Chanachowicz, P. Transformation methods in state estimation—existence, uniqueness and stability theorems. (A geometric approach) 1-34827  
 Chanbari, E. *see* Kostroun, V.O. 1-43178  
 Chand, G. *see* Sethi, V.S. 1-29982  
 Chandan, E., Anant, A. Light pen generates plotter signals 1-42635  
 Chandezon, J., Cornet, G. Application of a new method of resolution of Maxwell's equations to the study of the propagation of electromagnetic waves in periodical guides 1-51640  
 Chandlee, C. *see* Jonckheere, A. 1-30300  
 Chandler, T.C., Jr. *see* Szmulowicz, F. 1-42619  
 Chandra, A. *see* Board, K. 1-36622  
 Chandra, H., Sethia, G., Vyas, G.D., Deshpande, M.R., Vats, H.O. Ionospheric effects of the total solar eclipse of 16 Feb. 1980 observed over Ahmedabad 1-46869  
 Chandra, H. *see* Dixit, P.S. 1-51599  
 Chandra, K. *see* Kothari, P.C. 1-34368  
 Chandra, N. *see* Yajurvedi, V.P. 1-39086  
 Chandra, N. Harish *see* Harish Chandra, N.  
 Chandra, R.C., Woodward, B. Measurement of current in reciprocity calibrations of underwater acoustic transducers 1-48188  
 Chandrasekhar, A.S. *see* Kulkarni, P.P. 1-52844  
 Chandrasekhar, G.V., La Placa, S.J. New fast ion conductors 1-27171  
 Chandy, K.M. *see* Misra, J. 1-47386  
 Chanel, M. *see* Baribaud, G. 1-42934  
 Chang, A.W., Gai, A.K. Self-aligned NPN transistor with poly-Si base contact and oxide base-emitter insulation 1-28091  
 Chang, C. *see* Ghaderi, M.B. 1-45506  
 Chang, C.D., Forbes, L. Dark capacitance, photo-capacitance, dark conductance and photoconductance transients on GaAs MESFETs 1-28042  
 Chang, C.S., Crowder, G., McAllister, M.F. Cross-talk in multilayer ceramic packaging 1-45804  
 Chang, C.S. *see* Grudis, A.J. 1-28949  
 Chang, C.S. *see* Mathur, V.K. 1-38271  
 Chang, D.B. *see* Phelps, D.A. 1-46989  
 Chang, D.C. Analytical theory of an unloaded rectangular microstrip patch 1-28975  
 Chang, D.C., Kuester, E.F. Total and partial reflection from the end of a parallel-plate waveguide with an extended dielectric slab 1-27605  
 Chang, D.C. *see* Haddad, H. 1-33347  
 Chang, D.C. *see* Rispin, L.W. 1-41387  
 Chang, D.C. *see* Sreenivasiah, I. 1-46958  
 Chang, D.-C., Rusch, W.V.T. Transverse beam scanning for an offset dual-reflector system with symmetric main reflector [antennas] 1-41366  
 Chang, G., Len Mei, Palkuti, L., Teng, T.C., Shiau, Y., De Ornellas, S., Skinner, C. Resistance characteristics of highly-doped, large-grain poly-Si films 1-45918  
 Chang, G. *see* Teng, T.C. 1-51015  
 Chang, G.C., Gokhman, A., Ozboya, N. Performance and applications potential of a turbine-pump with controlled flow rate 1-31494  
 Chang, G.J., Hwang, F.K. A group testing problem on two disjoint sets 1-39431  
 Chang, G.K. *see* Mueller, J.J. 1-34441  
 Chang, H., Aggarwal, J.K. Implementation of two-dimensional semicausal recursive digital filters 1-40131  
 Chang, H., Easton, M.C. Bubble chip for locating the smallest stored key and for sorting 1-40838  
 Chang, H., Parg, T.M. Continuous read and write of multiple records by start/stop buffers between major and minor loops 1-28263  
 Chang, H.J. *see* Hwang, H.L. 1-27118  
 Chang, H.M. *see* Hoffman, V.E. 1-27967  
 Chang, I.C. Tunable spectral filters [for image sensors] 1-47986  
 Chang, I.C., Hecht, D.L. Characteristics of acousto-optic devices for signal processors 1-41813  
 Chang, I.F. *see* Yang, E.S. 1-41004  
 Chang, J. *see* Hope, G.S. 1-30828  
 Chang, J.C. *see* Okoshi, T. 1-33027  
 Chang, J.K.N. Position sensing using ultrasonics 1-48925  
 Chang, K., Kung, J.K., Asher, P.G., Hayashibara, G.M., Ying, R.S. GaAs read-type IMPATT diode for 130 GHz [CW] operation 1-40538  
 Chang, K., Morishita, M., Sun, C. High frequency silicon impact ionization avalanche transit time (IMPATT) sources beyond 100 GHz 1-45649  
 Chang, K.K.N. An analytic solution of a magnetic electron-beam bender 1-40363  
 Chang, K.Q., de Mello, F.P. Efficiencies of thermal plants during transient duty 1-43933  
 Chang, L.L. *see* Chin-An Chang 1-39766  
 Chang, M.B. Total internal reflection deflector 1-51230  
 Chang, M.B., Guerin, J.-M. Circular diffraction patterns from total internal reflection Raman-Nath modulators 1-28521  
 Chang, M.U. *see* Austin, M.C. 1-29066  
 Chang, N.C. Mosaic focal plane for star sensors [charge transfer device arrays] 1-47973  
 Chang, N.S., Matsuo, Y. Analysis of poragation characteristics of light waves in a periodically corrugated dielectric film by perturbation method 1-51212  
 Chang, R.K. *see* Owen, J.F. 1-36881  
 Chang, R.P. *see* Smolinsky, G. 1-32770  
 Chang, R.P.H., Darack, S. Hydrogen plasma etching of GaAs oxide 1-40512  
 Chang, S.C. Coding for T-user binary symmetric broadcast channels 1-33499  
 Chang, S.C. *see* Zong-Qi Lin 1-45631  
 Chang, T.L. A unified analysis of roundoff noise reduction in digital filters 1-40135  
 Chang, T.Y., Sawamphakdi, K. Large deformation analysis of laminated shells by finite element method 1-39714  
 Chang, W.H. Numerical calculation of the inductances of a multi-superconductor transmission line system 1-28312  
 Chang, W.H. Measurement and calculation of Josephson junction device inductances 1-40857  
 Chang, W.H. *see* Harris, E.P. 1-28323  
 Chang, W.S.C., Shu-Tong Zhou, Zong-Qi Lin, Forouhar, S., Delavaux, H. Performance of diffraction lenses in planar optical waveguides 1-36971  
 Chang Chieh *see* Chieh Chang  
 Chang Chin-An *see* Chin-An Chang  
 Chang Chu Te *see* Chu Te Chang  
 Chang Der-Shin *see* Der-Shin Chang  
 Chang Feng-cheng *see* Feng-cheng Chang  
 Chang Kai *see* Kai Chang  
 Chang Shih-Lin *see* Shih-Lin Chang  
 Chang Sun *see* Sun Chang  
 Chang Tien-Lin *see* Tien-Lin Chang  
 Chang Tung-he *see* Liu Shang-he 1-32627  
 Chang Yu-yu The experimental determination of profiles of both carrier density and drift mobility in the epitaxial layer for GaAs MESFET 1-28016  
 Chang Zung T. *see* Zung T. Chang  
 Chang-heng Wang *see* Wang Chang-heng  
 Chang-jun Shen *see* Shen Chang-jun  
 Chang-shui Fang *see* Fang Chang-shui  
 Chang-zheng Wu *see* Wu Chang-zheng  
 Changlian, Y. *see* Luguang, Y. 1-51138  
 Changyan, C., Sun Bogeng, Rong Binglin A 12 GHz TV receiver for direct satellite broadcasting 1-47789  
 Channin, D.J. *see* Ettenberg, M. 1-46820  
 Chante, J.P. *see* Bonnaud, O. 1-46285  
 Chantikul, P. *see* Lawn, B. 1-45906  
 Chantler, C.T. 'Day to remember' clock 1-32283  
 Chantre, A., Vincent, G., Bois, D. Deep-level optical spectroscopy in GaAs 1-40411  
 Chao, A. *see* Bane, K. 1-43036  
 Chao, A.W., Richter, B., Yao, C.Y. Transverse wake field effects on intense bunches with application to the SLAC linear collider 1-48491  
 Chao, A.W. *see* Donald, M.H.R. 1-42924  
 Chao, A.W. *see* Lee, M.J. 1-42908  
 Chao, A.W. *see* Richter, B. 1-42876  
 Chao, A.W. *see* Yao, C.Y. 1-43026  
 Chao, C. *see* Jamison, S. 1-45682  
 Chao, Ch. *see* Becchetti, F. 1-48388  
 Chao, Ch.-W. *see* Becchetti, F. 1-38330  
 Chao, H.H., Dennard, R.H., Mon Yen Tsai, Wordeman, M.R., Cramer, A. A 34  $\mu\text{m}^2$  DRAM cell fabricated with a 1  $\mu\text{m}$  single-level polycide FET technology 1-28129  
 Chao, P.C. *see* Lee, S.M. 1-50373  
 Chao, P.C., Ku, W.H. Modelling of dual-gate MESFETs with second gate forward biased 1-46135  
 Chao, W.C. *see* Reddy, J.N. 1-45050  
 Chaoju Wang *see* Wang Chaoju  
 Chapiro, A. *see* Gazard, M. 1-32747  
 Chaplart, J. *see* Delescluse, P. 1-32673  
 Chaplart, J. *see* Laviron, M. 1-46134  
 Chaplart, J. *see* Massies, J. 1-36514  
 Chaplin, A.F., Kondrat'ev, A.S. Synthesis of horn aeriels with reactive loadings 1-29008  
 Chaplin, A.F., Kondrat'ev, A.S. Synthesis of an E-plane sectorial corrugated horn 1-33395  
 Chaplin, M.R. *see* Zbasnik, J.P. 1-28373  
 Chaplygin, Yu.A. *see* Romanov, V.P. 1-32714  
 Chapman, B. Edge-wipe i.c. sockets 1-40287  
 Chapman, C.T. *see* Hartman, N.F. 1-46571  
 Chapman, G.M., Morgan, G.L., McConnell, J.W. The use of a small accelerator as a source of 14-MeV neutrons for shielding studies 1-38384  
 Chapman, J.E.G., Cronin, D.R., Cheng, D. Optical attenuation testing in field and factory [optical fibre testing] 1-33070  
 Chapman, K.R. Florida State University superconducting booster 1-42855  
 Chapman, K.R. *see* Fox, J.D. 1-42778  
 Chapman, L.J. *see* Bogert, D. 1-42923  
 Chapman, L.J. *see* Zagel, J.R. 1-42800, 1-42806  
 Chapman, R. *see* Durrani, T.S. 1-36277  
 Chapman, R.A. *see* Beck, J.D. 1-28045  
 Chapman, R.L. *see* Deutsch, T.F. 1-31443  
 Chapman Jones, E. Ethanol. A boiler fuel from a replenishable source 1-49297  
 Chapman-Hatchett, A. *see* Bossart, R. 1-48476  
 Chappas, W.J. Accelerated color development of irradiated radiochromic dye films 1-38541  
 Chappell, T.L., Woodall, J.M. Heterojunction V-groove multijunction solar cells 1-31454  
 Chappell, T.I. *see* Hoffmann, H.J. 1-32759  
 Chappuis, A. Microtechnology, the measurement of rapid movement 1-42751  
 Chapuran, F.J., Juett, D.J. Pumped storage using inclined-axis units at Truman Dam 1-44001  
 Chapuran, F.J., Juett, D.J. Pumped storage using inclined-axis units at Truman Dam 1-49344  
 Charalambides, C.A., Papageorgiou, H. On bivariate generalized binomial and negative binomial distributions 1-50158  
 Charalambous, C. *see* Antoniou, A. 1-50567, 1-50595  
 Charalambous, S. *see* Zamani, M. 1-30364, 1-30365  
 Charan, S. *see* Swarup, P. 1-45097  
 Charan Prasad, S., Pukar Singh, R. Group delay sensitivity—its estimation and application 1-27511  
 Charar, S. *see* Averous, M. 1-27805  
 Charavit, J.-C. *see* Milosevic, L. 1-42351  
 Charbonnel, J.-Y. On the semi-characters of connected solvable Lie groups 1-44776  
 Charbonnier, S. *see* Mailfert, A. 1-49517  
 Chardon, P. *see* Robinet, M. 1-47471  
 Chardonnet, E., Dupont, D. Construction times for nuclear power stations in France 1-53180  
 Chari, M.V.K., Silvester, P., Konrad, A., Csendes, Z.J., Palmo, M.A. Three-dimensional magnetostatic field analysis of electrical machinery by the finite-element method 1-49413  
 Chari, M.V.K. *see* Tandon, S.C. 1-46832  
 Charil, J. *see* Bouley, J.C. 1-41080  
 Charil, J. *see* Simon, J.C. 1-41103  
 Charitat, J.G. *see* Chadwick, G.G. 1-51708  
 Charlebois, L.J., Huszarik, F.A. Low pressure molding for encapsulation of cable splices 1-32454  
 Charles, H.K., Jr. Ceramics in photovoltaic energy conversion 1-31445  
 Charles, J.P. *see* Muoy, Y.H. 1-39114  
 Charleston, D.B. *see* Yasillo, N.J. 1-34588  
 Charlesworth, J.P. Critical current density and low field losses in Nb<sub>3</sub>Sn 1-28297  
 Charlier, J.-P. Modeling of low-pressure chemical vapor deposition 1-35964  
 Charlot, R. *see* Bayoumi, M. 1-30280  
 Charlton, R. *see* Mak, F. 1-48267  
 Charlu, P.K. *see* Srinivasan, P.S. 1-35168  
 Charon, W. *see* Cotillon, T. 1-38551  
 Charpak, G., Melchart, G., Petersen, G., Sauli, F. The multistep chamber as a high-accuracy localization device for  $\beta$  chromatography and slow-neutron imaging 1-34469  
 Charpak, G., Peisert, A., Sauli, F., Cavestro, A., Vascon, M., Zanella, G. Cherenkov ring imaging using a television digitizer 1-34491  
 Charpak, G. *see* Breskin, A. 1-34284, 1-34439  
 Charpak, G. *see* Melchart, G. 1-48615  
 Charpentier, T. *see* Lannelongue, N. 1-43419  
 Charransol, P., Athenes, C., Audrix, J.-C., Moreau, J.-P. MTS standard circuit for modular time division switching equipment 1-37815  
 Charransol, P., Athenes, C., Hauri, J., Salle, J. The new generation of switching systems may have a 'macromodular structure' due to the LSI micromodularity 1-29567  
 Charry, E. *see* Swart, J.W. 1-46045  
 Charter, D.B., Jr., Leblanc, E.G. Vessel traffic management—a status report 1-52169  
 Charters, J.S.T., Harrison, J. Structured magnetic media for data security 1-32977  
 Chartier, J.-M. *see* Koshelyaevskii, N.B. 1-48250  
 Chartier, P. *see* Hoan Nguyen Cong 1-44315  
 Chartier, V.L., Sarkinen, S.H., Stearns, R.D., Burns, A.L. Investigation of corona and field effects of AC/DC hybrid transmission lines 1-34841  
 Charvin, R. Photomultiplier illuminated by subnanosecond pulses. Photoelectron counting distribution determination from the pulse spectrum 1-27765  
 Chase, W. Capacitors for switching regulator filters 1-50418  
 Chashchin, V.V. *see* Grodzinskii, E.V. 1-36081  
 Chashka, Kh.B. *see* Obolenskii, M.A. 1-51106  
 Chasman, C. *see* Baltz, A.J. 1-42897  
 Chasman, C. *see* LeVine, M.J. 1-42898  
 Chasman, C. *see* Thorn, C.E. 1-42795  
 Chasnikov, I.G., Levinshtein, M.E., Shenderov, S.V. Experimental investigation of turn-on spread in a thyristor 1-40575  
 Chasnikova, S.S. *see* Mukashev, B.N. 1-32624  
 Chassande, J.P., Poloujadoff, M. A complete analytical theory of self controlled inverter fed synchronous machine 1-44064  
 Chassay, G. *see* Saillard, J. 1-37951, 1-52122  
 Chastang, J.C., Levanoni, M., Tan, S.I. Pseudo-Brewster angle of incidence for joining or removing a chip by laser beam 1-46202  
 Chato, J.C., Crowley, J.M. Free and forced convective cooling of pipe-type electric cables. Vol. I 1-53101

- Chato, J.C., Crowley, J.M. Free and forced convective cooling of pipe-type electric cables. Vol. II 1-53102
- Chatterjee, B. *see* Panda, G. 1-41771
- Chatterjee, J.S. *see* Das, N. 1-41382
- Chatterjee, P.K., Leiss, J.E., Taylor, G.W. A dynamic average model for the body effect in ion-implanted short-channel ( $L=1\ \mu\text{m}$ ) MOS-FETs 1-32825
- Chatterjee, U.K., Shikarkhane, N.S., Nundy, U. Novel method of compensating shunts for measuring kiloampere pulsed currents 1-38255
- Chatterjee, C.K. *see* Singh, D. 1-50625
- Chatterji, B.N. *see* Bijuany, L. 1-32347
- Chattler, L.M. Computerized statistical quality control of telephone cables 1-33908
- Chattopadhyay, A.K. Selecting the normal population with largest (smallest) value of Mahalanobis distance from the origin 1-35769
- Chattopadhyay, S., Faltens, A., Smith, L. Study of the beam breakup mode in linear induction accelerators for heavy ions 1-42995
- Chattopadhyay, S. *see* Bisognano, J.J. 1-42994
- Chattopadhyaya, S.K. *see* Rustagi, S.C. 1-36602
- Chaturvedi, B.K. *see* Sitaram, R.V.S. 1-51084
- Chaturvedi, P.K. *see* Ramamurthy, V. 1-36591
- Chau-Chun Lu, N., Gerzberg, L., Chih-Yuan Lu, Meindl, J.D. A new conduction model for polycrystalline silicon films 1-32609
- Chau-Chun Lu, N., Gerzberg, L., Chih-Yuan Lu, Meindl, J.D. Modeling and optimization of monolithic polycrystalline silicon resistors 1-40632
- Chaube, B.R. *see* Tripathi, L.N. 1-28572, 1-33130
- Chaudhari, R.T. *see* Joshi, R.V. 1-46630
- Chaudhry, M.L. *see* Holman, D.F. 1-31933
- Chaudhry, P. *see* Bajwa, A.U. 1-48669
- Chaudhuri, P. Switch-off surge voltage limiting for DC operated contactors 1-31355
- Chaudhuri, P. The determination of reliability of control circuits: the application of the Monte Carlo method 1-39102
- Chaudhuri, S. An oscillator circuit with a linear relation between frequency and temperature 1-48048
- Chaudhuri, S.K. Estimation of the volume and the size of a scatterer from band-limited time domain signature 1-37297
- Chaudhuri, S.K., Lenz, P.A. A modified time-domain inverse scattering scheme in presence of random noise and system distortions [radar] 1-52137
- Chaudhuri, S.K. *see* Chow, Y.L. 1-41226
- Chauhan, R.C., Sahu, S. Automatic generation control - a concept 1-30628
- Chaumont, J. *see* Camplan, J. 1-38366
- Chaumont, J. *see* Simondet, F. 1-27817
- Chauprade, R., Malherbe, J. Solid state variable speed drives for energetic and economic optimization of driving power 1-31524
- Chauvet, J.-P., Fontaine, M. Heavy section rolling mill with rails at the Katowice metallurgical works 1-53812
- Chauza, E.J., Fortune, L.E. GTD-5 EAX software Management Support System 1-47483
- Chauzy, S., Desplau, S. Rainfall rate and electric charge and size of raindrops of six spring showers 1-38585
- Chavel, P., Lowenthal, S. Implementation of an incoherent optical image restoration method: limitations related to optical subtraction 1-33681
- Chavers, R.A. *see* Gutbier, E.A. 1-45835
- Chawla, B.R. *see* Lee, C.M. 1-46326
- Chawla, M.M. Two-step fourth order P-stable methods for second order differential equations 1-50253
- Chawla, M.M., Sharma, S.R. Families of fifth order Nystrom methods for  $y''=f(x,y)$  and intervals of periodicity 1-27075
- Chayka, G.Ye. *see* Levandovskiy, V.G. 1-40544
- Che-I Chuang *see* Kun-Mu Chen 1-52134
- Chebotaev, V.P. *see* Maiorov, A.P. 1-37190
- Chebotaev, E.V., Kulish, O.F. Finding the short-circuit current levels for the relay protection of transformers with on-load voltage regulation 1-44149
- Chebotaeva, E.S. *see* Sheftel', I.T. 1-40241
- Checacci, P.F. *see* Brenci, M. 1-51196
- Chechetkin, Yu.V. *see* Kizin, V.D. 1-38864
- Chechushkov, G.A. *see* Polyakov, V.E. 1-31286, 1-44147
- Chedaille, J. *see* Abrial, L. 1-53810
- Chee Heng Tan *see* Tan Chee Heng
- Cheeke, J.D.N., Madore, G. Ultrasonic attenuation in the relaxation and carrier hopping regimes of p-InSb at low temperature 1-36487
- Cheeseman, D.S. Solid-state voice guidance equipment for supplementary telephone services 1-29560
- Cheetham, B.M.G., Hughes, P.M. On the representation of digital filters by the multiplier extraction approach 1-45527
- Cheetham, B.M.G. *see* Hughes, P.M. 1-32346
- Cheetham, D., Wall, T., Butterfield, J. Repair technique for damaged tenon heads on HP or IP rotor blading 1-43910
- Cheetham, D., Wall, T., Butterfield, J. Repair technique for damaged tenon heads on HP or IP rotor blading 1-53273
- Cheetham, W.J. Development manufacture and supply of microprocessor based systems used in electricity substations 1-49001
- Cheginin, P.M., Konchak, V.S., Sadykhov, R.H., Nechaev, N.V. Theoretical and applied aspects of real time digital systems in the problems of testing automobile constructions 1-39244
- Cehab, R., Jejcic, A., Le Duff, J., Level, M.P., Marin, P., Potaux, D., Sommer, M., Zyngier, H. Two-beam behaviour with DCI 1-48508
- Cekkhlov, K.V. *see* Baldin, A.M. 1-48569
- Cekhovoy, Yu.N. *see* Morgovskiy, Yu.Ya. 1-35413
- Cekhovskiy, E.Ya. *see* Kantor, L.Ya. 1-37885
- Cekroun, C., Herrick, D., Michel, Y., Pauchard, R., Vidal, P. RADANT: new method of electronic scanning 1-33408
- Chellamuthu, C., Sastry, V.V. Simulation of a 1-phase static converter-DC motor drive system 1-44402
- Chellappa, R. *see* Kashyap, R.L. 1-44817
- Chellis, F.F. An introduction to closed cycle cryogenic coolers 1-48095
- Chellis, L.N. *see* Carey, F.J., Jr. 1-50678
- Chelmicki, L. *see* Tsulaya, M.I. 1-48658
- Chelminski, Z. The Zatonie power plant 1-35030
- Chelnokov, G.I. *see* Mironov, L.G. 1-30394
- Chemarin, M. *see* Burg, J.P. 1-52679
- Chemborisova, N.Sh. Towards analysis of the aperiodic stability of electrical systems 1-30689
- Chemeris, V.T., Gavrilko, S.A. The electromagnetic field of a solid conductor, having a nonuniform current distribution, located in the gap of a screened-pole magnet system 1-31264
- Chemes, E.A. *see* Garyaev, S.N. 1-44480
- Chemisov, V.I. *see* Nikitenko, A.G. 1-41197
- Chemla, D., Oudar, J.L., Zyss, J. Molecular engineering for advanced optics 1-33016
- Chemla, D.S. *see* Maruani, A. 1-28774
- Chemla, D.S. *see* Zyss, J. 1-37209
- Chen, A. *see* Bridges, D. 1-43234
- Chen, A. *see* Brody, A. 1-34436
- Chen, B., Chen, S., Wilson, E.J.N., Zotter, B. A survey of collective instabilities for electron, proton and antiproton beams in the SPS 1-43016
- Chen, C.C. High efficiency V-band fan beam antenna 1-51688
- Chen, C.F. *see* Kwong, C.P. 1-39666
- Chen, C.H. Spectral resolution of Fougere's maximum entropy spectral analysis 1-41682
- Chen, C.-J. *see* Wang, S.-T. 1-28377
- Chen, C.L. Error correcting code for multiple package error detection 1-29090
- Chen, C.L. On finding the roots of polynomials over finite fields 1-31921
- Chen, C.L. Parallel implementation of double-error correction and triple-error detection 1-37423
- Chen, C.L. High-speed decoding of BCH codes 1-41493
- Chen, C.L. Error checking of ECC generation circuitry 1-47120
- Chen, C.L., Chu, B.L. Error checking technique for error correction logic 1-47121
- Chen, C.L., Chu, B.L. Extended error correction with an error correction code 1-47122
- Chen, C.L. *see* Bossen, D.C. 1-33488
- Chen, C.L. *see* Goldstein, N.P. 1-34458
- Chen, C.T., Benglas, E.M., Singh, S.K., Bullock, D.C., Whiting, B. A novel probe tester for the characterization of 1 Mbit/cm<sup>2</sup> bubble memory devices 1-46451
- Chen, C.T.M. Effects of nonuniform conductivity on the noise index of a resistor 1-45814
- Chen, C.W., Gustafson, T.K. A phototransistor with concentric electrodes on the Si substrate 1-46641
- Chen, C.W., Gustafson, T.K. Characteristics of an avalanche phototransistor fabricated on a Si surface 1-51263
- Ch'en, D.R. *see* Decker, D.R. 1-45690
- Ch'en, D.R. *see* Petersen, W.C. 1-45687
- Chen, D.Y. High-frequency core loss characteristics of amorphous magnetic alloy 1-40783
- Chen, D.Y., Jackson, B. Turn-off characteristics of power transistors using emitter-open turn-off 1-46115
- Chen, D.Y., Walden, J.P. Application of transistor emitter-open turn-off scheme to high voltage power inverters 1-53553
- Chen, D.Y. *see* Avant, R.L. 1-50375
- Chen, D.Y. *see* Barker, R.E., Jr. 1-34362
- Chen, F.S., Chen, Y.S. Sensitivity loss of digital optical receivers caused by intersymbol interference 1-29726
- Chen, H.H., Doe, P.J. Long distance drifting of ionization electrons in liquid argon 1-34434
- Chen, H.H. *see* Allen, R.C. 1-34489
- Chen, H.H. *see* Wang, K.C. 1-34499
- Chen, H.K., Swanson, L.W., Davis, P.R. Cesium adsorption on the Zr/O/W(100) surface 1-31486
- Chen, I., Luo, F.C. Electronic characterization of double-gate thin film transistors 1-32835
- Chen, I., Luo, F.C. I-V characteristics of thin-film transistors 1-46156
- Chen, I., Mort, J. Effects of geminate recombination on the photovoltaic efficiency of a-Si:H solar cells 1-49671
- Chen, I. *see* Luo, F.C. 1-36640
- Chen, I. *see* Mort, J. 1-45944
- Chen, J.Z., Chin, W.B., Jen, T.-S., Hutt, J. A high density bipolar logic mastercell for small systems 1-40686
- Chen, K. *see* Mohiuddin, K.M. 1-37474
- Chen, Kh. *see* Tai, A. 1-41150
- Chen, L.J., Wu, I.W. Sheet resistivity and transmission electron microscope investigations of BF<sub>2</sub><sup>+</sup>-implanted silicon 1-50755
- Chen, L.J., Wu, Y.J., Yang, Y.C., Hsieh, K.P., Lin, M.S., Huang, R.S. Transmission electron microscope study of ion beam annealing effects of ion-implanted and evaporated amorphous silicon 1-50754
- Chen, M. Television, science, and children: formative evaluation for 3-2-1 Contact 1-47822
- Chen, M., Marrello, V. The effect of overcoats on the ablative writing characteristics of tellurium films 1-33020
- Chen, M.C., Silvestri, V.J. Pre- and postepitaxial gettering of oxidation and epitaxial stacking faults in silicon 1-27949
- Chen, M.S. *see* Hughes, A. 1-43611
- Chen, P.C. The growth and development plans for telecommunications in Taiwan 1-47308
- Chen, P.C., Yu, K.L., Margalit, S., Yariv, A. Embedded epitaxial growth of low-threshold GaInAsP/InP injection lasers 1-28706
- Chen, P.L., Muller, R.S., White, R.M., Jolly, R. Thin film ZnO-MOS transducer with virtually DC response 1-36806
- Chen, P.S. *see* Nadas, A. 1-41603
- Chen, R.M.-M. An efficient algorithm for minimal least squares solutions and related topics 1-45060
- Chen, S. *see* Chen, B. 1-43016
- Chen, S. *see* Ryan, D.R. 1-31982
- Chen, S.C. *see* Banker, D.C. 1-36549
- Chen, S.D., Lee, S.H. Half-point algorithm for dot matrix display 1-52528
- Chen, S.L., Boyd, J.T. Temperature-independent thin-film optical waveguide 1-46485
- Chen, W. *see* Hoffmann, E. 1-28375
- Chen, W.-C. *see* Fontana, R.J. 1-33449
- Chen, W.H., Lean, E.G. Integrated grating acoustic scanner 1-28204
- Chen, W.S., Mickelsen, R.A. Thin-film CdS/CuInSe<sub>2</sub> heterojunction solar cell 1-35376
- Chen, W.Y. *see* Alcorn, J.S. 1-28383
- Chen, W.Y. *see* Hsu, Y.-H. 1-28386
- Chen, Y.S. *see* Chen, F.S. 1-29726
- Chen Bofei, Chen Siyu, Wilson, E.J.N. A computer simulation of injection into a superconducting synchrotron 1-43034
- Chen Chen Jia *see* Wang Zue Zhong 1-41137
- Chen Chun Hsiung *see* Chen Hsiung Chen
- Chen Chung Yih *see* Chung Yih Chen
- Chen Chung-Yih *see* Chung-Yih Chen
- Chen Eugene Yu-Tze *see* Eugene Yu-Tze Chen
- Chen Fen-kou *see* Wu Ding-fen 1-27856
- Chen Guang-hua, Wang Yin-yue, Zhang Fang-qing, Wu Jin-hua Preparation and electrical conductivity properties of amorphous chalcogenide semiconductors 1-32105
- Chen Guanghua, Wang Yinyue, Wu Jinhua, Gan Runjin, Zhang Fangqing Effects of Ge on hopping conductivity of amorphous chalcogenide semiconductors at low temperatures 1-27837
- Chen Hong-bin *see* Hong-bin Chen
- Chen Inan *see* Inan Chen
- Chen Jia Chen *see* Chen Chen Jia
- Chen Jian-wen, Fu Shu-fen, Liu Miao-hong High-pressure ultraviolet-ionized transverse-discharge-pumped XeCl laser 1-51339
- Chen Jianwen *see* Chen Zhongyu 1-33295
- Chen Jin-e *see* Liu Zhao-rong 1-38163
- Chen Ju-fang *see* Wu Dao-huai 1-51250
- Chen Ju-fang *see* Wu Dao-huai 1-33121
- Chen Kai-zhou *see* Mao Yu-kuan 1-51667
- Chen Kao *see* Kao Chen
- Chen Kun-Mu *see* Kun-Mu Chen
- Chen Kunji, He Yuliang, Du Jiafang Preparation of amorphous-silicon films and investigation of metal-amorphous-silicon Schottky barrier 1-27974
- Chen Li-yu *see* Li-yu Chen
- Chen Luo Fang *see* Fang Chen Luo
- Chen Mao-bai *see* Mao-bai chen
- Chen Nan-xian Methods of resolution of resistance and some simple applications 1-39838
- Chen Nandou *see* Bao Ximao 1-27891
- Chen Ren-Huai *see* Liu Mao-San 1-52648, 1-52649
- Chen Ru-Chen The development of biogas utilization in China 1-53170
- Chen Shu-Chun, Dai Feng-Mei Selective excitation of narrow lines in Nd<sup>3+</sup> doped laser glasses 1-41068
- Chen Siyu *see* Chen Bofei 1-43034
- Chen Tu *see* Tu Chen
- Chen Wai-Kai *see* Wai-Kai Chen
- Chen Wei-xi *see* Wei-xi Chen
- Chen Wen-hsiung *see* Wen-hsiung Chen

- Chen Xiaojian, Deng Yanmao, Huang Zhenqi V-band GaAs Gunn diode 1-45673
- Chen Yao-sheng *see* Yin Zong-min 1-33066
- Chen Ye-xin *see* Zhang Min 1-28087
- Chen Yih-cheng *see* Yih-cheng Chen
- Chen Yin-bao, Xie Xi Duality theorem of nonstatistical and statistical beam phase spaces 1-43006
- Chen Yun-ming Theoretical analysis of the high frequency induction plasma and its impedance matching 1-40339
- Chen Zhongyu, Chen Jianwan Using He-Ne laser recorded dynamic holograms 1-33295
- Chen Zu-pei Dielectric thermal noise 1-32895
- Chen Zu-yao *see* Kong Fan-ao 1-32601
- Chen-Hanson Ting Fourier transform faster than fast Fourier transform (FFT) 1-39728
- Chen-Hanson Ting Processing of real-time radiographic images 1-41698
- Chenette, E.R. *see* Gong, J. 1-28582
- Cheng, C. *see* Zimmerman, R.E. 1-34574
- Cheng, C.C.K. Design for an automated recognition system for multilayer circuit board testing 1-27695
- Cheng, C.C.K. Electro-optical system of automated inspection of cylindrical bearing surfaces 1-29988
- Cheng, C.-S., Gray, L.J. A characterization of group-divisible designs and some related results 1-27010
- Cheng, D. *see* Chapman, J.E.G. 1-33070
- Cheng, D.K. *see* Liang, C.H. 1-51697
- Cheng, F.Y. Inelastic analysis of 3-D mixed steel and reinforced concrete seismic building systems 1-39686
- Cheng, J. Surface pinning of disclinations and the stability of bistable nematic storage displays 1-36980
- Cheng, K.Y., Cho, A.Y., Wagner, W.R., Bonner, W.A. Molecular beam epitaxial growth of uniform  $\text{In}_{0.53}\text{Ga}_{0.47}\text{As}$  on InP with a coaxial In-Ga oven 1-35946
- Cheng, K.Y. *see* Cho, A.Y. 1-27112
- Cheng, P.E., Serfling, R.J. Asymptotic mean integrated squared errors of some nonparametric density estimators 1-41455
- Cheng, P.Y., Yiu-Fai Chan, Levchenko, V.O. A 16K CMOS EPROM 1-28131
- Cheng, S.S. *see* Tan, W.Y. 1-39540
- Cheng, T.C., Wu, C.T., Rippey, J.N., Zedan, F.M. Pollution performance of DC insulators under operating conditions 1-34908
- Cheng, T.C. *see* Schroeder, J.E. 1-34917
- Cheng, T.C. *see* Wu, C. 1-38792
- Cheng, T.C. *see* Wu, C.T. 1-34919
- Cheng, V.H.L. *see* Callier, F.M. 1-36055
- Cheng, Y.Y. *see* Jain, K. 1-51515
- Cheng Hou-Chi *see* Hou-Chi Cheng
- Cheng Wenchao, Huang Zhengang A new method for calculating the minority carrier bulk lifetime directly from the C-t curve of a MOS structure 1-27777
- Cheng Wood-hi *see* Wood-hi Cheng
- Cheng Xin-Fen *see* Xin-Fen Cheng
- Cheng-en Zheng *see* Zheng Cheng-en
- Cheng-he Xu *see* Xu Cheng-he
- Cheng-Kuo Hsiao *see* Loutfy, R.O. 1-44356
- Cheng-Tzu Thomas Hsu, Mirza, M.S., Sea, C.S.S. Nonlinear analysis of reinforced concrete frames 1-45012
- Cheng-zhi Wang *see* Wang Cheng-zhi
- Cheng-zhou Ji *see* Ji Cheng-zhou
- Chengda Hu *see* Hu Chengda
- Chenglie Cui *see* Cui Chenglie
- Chenming Hu *see* Min-Hwa Chi 1-36635
- Chenoweth, H.B. Small scale wind perturbation analysis for vertically rising launch vehicles 1-30495
- Chenoweth, R.D. *see* Mamandur, K.R.C. 1-43551
- Cheo, P.K. *see* Cantor, A.J. 1-32109
- Chepalov, V.K., Karpov, N.R. High-speed voltage comparator circuit 1-27545
- Chepegin, V.N. *see* Nemenov, L.L. 1-30306
- Chepizhko, V.I. Waveguide filter of upper frequencies with mechanical retuning 1-36334
- Chepkasov, Yu.I. *see* Kuznetsov, B.A. 1-53075
- Chepkov, V.I. Nondestructive inspection of the magnetic properties of thin transformer steel sheet 1-35986
- Chepkunov, A.I. Conditions of stability of a closed-loop system of control of a six-phase circuit with a compensating reactor 1-49584
- Cherba, D.M. Programming PCs to detect faults in machines or processes 1-44538
- Cherednichenko, I.M. *see* Klempner, K.S. 1-27578
- Cherednichenko, O.B. *see* Kop'ev, V.A. 1-43452
- Cherepenin, V.A. *see* Kanavets, V.I. 1-28871
- Cherikovskaya, V.Ya. *see* Tsirlin, Yu.A. 1-52712
- Cherin, A.H., Head, E.D. A fiber concatenation experiment using a standardized loss measurement method 1-28491
- Cherkalina, T.S. *see* Buklei, A.E. 1-30325
- Cherkasov, V.V. *see* Puzanchikov, A.V. 1-48006
- Cherkasov, Yu.V. *see* Salamatov, I.A. 1-39226
- Chern, E.J., Cantrell, J.H., Jr., Heyman, J.S., Winfree, W.P. Improved correction for continuous wave ultrasonic phase velocity measurements in solids using two bonded transducers 1-38622
- Chern, L.-L. *see* Miranker, W.L. 1-39500
- Chern, L.J., Cantrell, J.H., Jr., Heyman, J.S. Improved formula for continuous-wave measurements of ultrasonic phase velocity 1-52609
- Chernaya, L.F. *see* Andreev, G.A. 1-41251
- Chernenko, S.P., Skvaril, J., Zanevsky, Yu.V. The high-speed ALU for wire channels 1-52725
- Cherney, E.A., Amm, D.E. Development and application of a hot-line suspension insulator tester 1-38835
- Cherney, E.A., Ringler, K.G., Kolcio, N., Bell, G.K. Step and touch potentials at faulted transmission towers 1-43758
- Chernichkina, A.S. *see* Talykov, V.A. 1-32913
- Chernikov, Yu.L. *see* Ostreiko, V.N. 1-44145
- Chernikova, N.V. *see* Nguen Ngok Tyu 1-45006
- Chernoff, H., Petkau, A.J. Sequential medical trials involving paired data 1-31939
- Chernokozheva, L.K. *see* Stefanov, P.S. 1-46404
- Chernoochenko, A.V. Stereophony in motion pictures. Victories and defeats 1-42486
- Chernov, S.P. *see* Andreeva, L.I. 1-52469
- Chernov, V.N. *see* Alekseev, V.N. 1-28764, 1-51428
- Chernova, N.I. *see* Davydova, T.A. 1-28930
- Chernyakov, V.N., Kukhtevich, V.I. Determining the nonlinear properties of MOM diodes [used as IR transducers] 1-36537
- Chernyatin, V. *see* Fabjan, C.W. 1-48585
- Chernyatin, V.A. Ensuring that electropneumatic braking operates reliably 1-31541
- Chernyi, I.I. *see* Lyashko, I.I. 1-31095
- Chernyj, S.A. *see* Vasiliev, V.V. 1-48466
- Chernykh, V.A. *see* Bozhovof'nyi, S.I. 1-33060
- Chernyshev, A.N., Shibakinski, V.I., Efimov, V.B., Galitskii, V.P., Kukul', S.E. Automatic width control of strip from a continuous mill 1-44523
- Chernyshev, V.I. *see* Limonova, M.E. 1-37854
- Chernyy, I.V. *see* Bulatov, M.G. 1-38283
- Cheron, Y., Foch, H., Roux, J. Study of a new utilisation of power transistors in high-voltage converters at elevated frequency 1-40573
- Cherry, E.M. A power amplifier 'improver' 1-29927
- Cherry, E.M. Transient intermodulation distortion. I. Hard nonlinearity 1-34126
- Cherry, E.M. A new distortion mechanism in class B amplifiers 1-38072
- Cherry, J.R. Electronic radios and Hi-Fi sound 1-29888
- Cherry, M. *see* Baker, C.C. 1-35016
- Cherry, S.M., Goddard, J.W.F., Hall, M.P.M. Use of dual-polarization radar data for evaluation of attenuation on a satellite-to-earth path 1-33334
- Cherry, S.M. *see* Goddard, J.W.F. 1-46902
- Chervinskaya, V.A. On the problem to determine acceptable telecomplex structures class 1-52219
- Chervonenkis, A.Ya. *see* Martynov, A.F. 1-32970
- Chervonnyi, E.M. Influence of consumer requirements on design and characteristics of industrial power supply networks 1-34855
- Cheryakin, A.D. *see* Bayanov, B.F. 1-48465
- Cheshenko, G.V. *see* Timoshenko, G.M. 1-49274
- Chesler, D. *see* Burnham, C. 1-34580
- Chesonis, V.I., Bugynsis, S.A. Methods for investigating linear induction motors 1-31257
- Chester, J.B. The selection of switchgear for a distribution system 1-44297
- Chettle, D.R. *see* Al-Haddad, I.K. 1-30409
- Chetty, P.R.K., Sivaprasad, N.V. Improved relay trigger 1-32241
- Chetyrkina, Z.N. *see* Bakanovich, E.A. 1-36310
- Cheung, D.T. *see* Shin, S.H. 1-46639
- Cheung, D.T. *see* Taur, Y. 1-41008
- Cheung, J.Y. Error smoothing in adaptive LMS algorithms 1-41764
- Cheung, N.K. Transfer-molded biconical connector for single-mode fiber interconnections 1-37948
- Cheung, N.K., Denkin, N.M. An automatic inspection system for single fiber connector plugs 1-28496
- Cheung, N.K. *see* Kaiser, P. 1-28501
- Cheung, N.W., von Seefeld, H., Nicolet, M.-A., Ho, F., Iles, P. Thermal stability of titanium nitride for shall junction solar cell contacts 1-53630
- Cheung, R.L.-T. *see* Ishimaru, A. 1-28873
- Cheung, R.S., Kwon, S.Y. The design of a 16 kb/s split-band adaptive predictive coder for noisy channels 1-41562
- Cheurlin, A., Cochet, G. Coupling contactors and their applications 1-53583
- Chevallier, J.P., Banat, M. Capacitance coefficients of conductors with common axis of revolution 1-46827
- Chevalier, J.-P. *see* Coutelier, Y. 1-35518
- Chevalier, J.Y. *see* Penavaire, L. 1-36774
- Chevalier, Y. Photovoltaic conversion of solar energy in the 1980s 1-39129
- Chevallard, G. *see* Caruso, E. 1-38342
- Chevallier, J. *see* Joulie, A. 1-36505
- Chevallier, M. *see* Burq, J.P. 1-52679
- Chevillat, P., Kaeser, H.P., Maiwald, D., Ungerboeck, G. Pipelined hardware multiplier with extended precision 1-32274
- Chevillat, P.R., Ungerboeck, G. Optimum FIR transmitter and receiver filters for data transmission over band-limited channels 1-29509
- Chevrier, J., Huber, A.M., Linh, N.T. Effect of in situ etching and substrate misorientation on the morphology of VPE InP layers 1-40403
- Chew, E.K. Mathematical modelling and capacity estimation of the IST system (Integrated Switching and Transmission system) 1-47257
- Chew, N.G. *see* Cullis, A.G. 1-35932
- Chew Weng Cho *see* Weng Cho Chew
- Chhapparg, A.F. *see* Pancholy, M. 1-29920
- Chi, C.C., Cuomo, J.J., Tsuei, C.C. Amorphous-crystalline-amorphous Josephson weak-link devices 1-28349
- Chi H. Lee *see* Wei-Lou Cao 1-37093
- Chi Min-Hwa *see* Min-Hwa Chi
- Chi Song Wong *see* Der-Shin Chang 1-35881
- Chi-Foon Chan *see* Messerschmidt, D. 1-41530
- Chi-Ming Wang Chinese optical communication 1-37921
- Chi-ming Wang *see* Wang Chi-ming
- Chi-Song Horng, Lie, M. An automatic/interactive layout planning system for arbitrarily-sized rectangular building blocks 1-46243
- Chia-Hao Lee *see* Takeda, Y. 1-50762
- Chialin Wu Considerations on real-time processing of spaceborne aperture radar data 1-41692
- Chiampi, M., Negro, A.L., Tartaglia, M. Finite elements computation of magnetic fields in multiply connected domains 1-44168
- Chianelli, R.R. *see* Whittingham, M.S. 1-44350
- Chiang, C. Polymer-monomer conversion in anthracene thin films as a switching and memory device 1-45970
- Chiang, C.K. *see* Mu, G.G. 1-47242
- Chiang, D.T., Shun-Chen Niu Reliability of consecutive-k-out-of-n:F system 1-35686
- Chiang, F.P. Time-average laser specklegram of plate vibration using multiaperture recording 1-33296
- Chiang, K. *see* Levenson, M.D. 1-40488
- Chiang, S.W. *see* Liu, Y.S. 1-46066
- Chiarini, F., Gori, M., Corazza, G., Falciaecca, G. Precision DME for microwave landing system 1-52167
- Chiaveri, E. *see* Bernard, P. 1-48533
- Chiba, M. *see* Kobayashi, M. 1-43212
- Chiba, S. *see* Kaneda, T. 1-49838
- Chiba, T., Masaki, A., Furumaya, K., Hososaka, S. Packaging trade-offs for an LIS-oriented very high-speed computer, the HITAC M-200H 1-44669
- Chiba, T., Okuda, N., Kambe, T., Nishioka, I., Inufushi, T., Kimura, S. SHARPS: a hierarchical layout system for VLSI 1-46267
- Chiba, T., Sakamoto, N. Improvement of ripple in pass band of SAW filters 1-46369
- Chiba, T. *see* Fukuyama, T. 1-34158
- Chiba, T. *see* Kamikawai, R. 1-45416
- Chiba, T. *see* Suzuki, Y. 1-51714
- Chicklis, E.P., Esterowitz, L., Eckardt, R.C., Allen, R. Optical frequency shifting lever 1-51406
- Chicklis, E.P. *see* Knights, M.G. 1-46719
- Chicklis, E.P. *see* Pollak, T.M. 1-46718
- Chicklis, E.P. *see* Wing, W.F. 1-46717
- Chicklis, E.P. *see* Baer, J.E. 1-46720
- Chicotka, R.J. *see* Woodall, J.M. 1-32630
- Chida, K. *see* Hattori, T. 1-48383
- Chida, K. *see* Sudo, S. 1-40914
- Chidambara, M.R. *see* Premakumaran, N. 1-38673
- Chidgey, P.J. *see* Cameron, K.H. 1-42275
- Chidley, B. *see* Boicourt, G. 1-48430
- Chidley, B.G. *see* Ungrin, J. 1-48431
- Chie, C.M., Kantak, A.V. Performance analysis and simulation of the SPS reference phase control system 1-30503
- Chie, C.M. *see* Lindsey, W.C. 1-27363
- Chieh Chang *see* Man Shek Lee 1-32336, 1-36066, 1-45470, 1-45505
- Chien, J.C.W. *see* Feldblum, A. 1-32892
- Chien, L.C. Short-range radio transmission of sensor data 1-30034
- Chien, R.T. *see* Jacobus, C. 1-44915
- Chien Wu-Yi *see* Wu-Yi Chien
- Chiesa, A. *see* Carenzi, L. 1-38122
- Chiesa, M.L., Callabresi, M.L. Nonlinear analysis of a mitigating steel nose cone 1-45016
- Chigira, H. *see* Hoshimiya, N. 1-43293
- Chigira, T. *see* Kamei, K. 1-46133
- Chignell, R.J., Philippou, G.Y., Bustamante, R. A novel precise method of measuring the efficiency of arbitrary low-grain antennas 1-41369
- Chih-Yuan Lu *see* Chau-Chun Lu, N. 1-32609, 1-40632
- Chihara, K. *see* Yamamoto, S. 1-41257
- Chik, K.P. *see* Tong, B.Y. 1-40987
- Chikhani, A.Y. *see* Quintana, V.H. 1-30660
- Chikte, S.D., Deshmukh, S.D. Preventive maintenance and replacement under additive damage 1-35613

- Chikuse, Y.** Simultaneous pseudo confidence regions for ratios of the discriminant coefficients 1-39543
- Chilbert, M.** *see* Sances, A., Jr. 1-39355
- Child, J.W.** Molyneux *see* Molyneux Child, J.W.
- Childers, D.G.** *see* Krishnamurthy, A. 1-38480
- Childers, D.G.** *see* Lu, D.Z. 1-29142
- Childress, J.J., Mickel, T.J.** A motion compensated shipboard precision balance system 1-30551
- Childs, G.H.L.** *see* Clarke, K.E. 1-47367
- Childs, I.** Telecine—line array compromises 1-29895
- Childs, P.A., Eccleston, W., Stuart, R.A.** Alternative mechanism for substrate minority carrier injection in MOS devices operating in low level avalanche 1-32816
- Childs, P.E., Howe, A.T.** Use of the proton conductor hydrogen uranyl phosphate tetrahydrate as the solid electrolyte in hydride-air batteries and hydrogen-oxygen fuel cells 1-44341
- Childs, R., Zory, P.** Integrated waveguide-detector designed for use with (AlGa)As diode lasers 1-51479
- Childs, R.L.** *see* Asmiller, R.G., Jr. 1-48307
- Childs, W.H., Carlton, P.A., Egri, R., Mahle, C.E., Williams, A.E.** A 120-Mbit/s 14-GHz regenerative receiver for spacecraft applications 1-47580
- Childs, W.H., Carlton, P.A., Egri, R., Mahle, C.E., Williams, A.E.** A 14-GHz regenerative receiver for spacecraft application 1-47651
- Chiles, M.M.** *see* De Lorenzo, J.T. 1-38881
- Chimenti, R.J.L.** *see* deNeufville, J.P. 1-34683
- Chimenti, R.J.L.** *see* Kasdan, A. 1-34684
- Chimenti, L.** *see* Brown, H. 1-48364
- Chin, A.K., King, W.C., Leonard, T.J., Roedel, R.J., Zipfel, C.L., Keramidas, V.G., Ermanis, F.** Stress-induced dark line defect formation in GaAlAs:Si LEDs 1-33163
- Chin, A.K., Zipfel, C.L., Dutt, B.V., Di Giuseppe, M.A., Bauers, K.B., Roccasecca, D.D.** New restricted contact LEDs using a Schottky barrier 1-51290
- Chin, A.K.** *see* Mahajan, S. 1-32055, 1-40401
- Chin, A.K.** *see* Temkin, H. 1-51288
- Chin, B.H., Ehrlich, G.** Formation of silicon nitride structures by direct electron beam writing 1-32074
- Chin, G., Buhl, D., Florez, J.M.** Acousto-optic spectrometer for radio astronomy 1-29826
- Chin, G.Y., Jin, S., Green, M.L., Sherwood, R.C., Wernick, J.H.** Low cobalt Cr-Co-Fe permanent magnet alloys 1-46430
- Chin, H.P.** *see* Rooney, J.A. 1-52762
- Chin, J.** *see* Avery, R. 1-42826
- Chin, J.** *see* Halbach, K. 1-48391
- Chin, L.M., Kijewski, P.K., Svensson, G.K., Chaffey, J.T., Levene, M.B., Bjarnagard, B.E.** A computer-controlled radiation therapy machine for pelvic and para-aortic nodal areas 1-34633
- Chin, R.** *see* Milano, R.A. 1-36522
- Chin, S.L.** *see* Bernard, P. 1-28781
- Chin, S.L.** *see* Faubert, D. 1-40967
- Chin, W.B.** *see* Chen, J.Z. 1-40686
- Chin Fu Tsang** *see* Golabi, K. 1-43823
- Chin Tung Hai** *see* Tung Hai Chin
- Chin-An Chang, Chu, W.K.** Effect of oxygen on the diffusion of Ni in Pt in Pt-Ni-Pt films 1-27876
- Chin-An Chang, Heiblum, M., Ludeke, R., Nathan, M.I.** Effect of substrate surface treatment in molecular beam epitaxy on the vertical electronic transport through the film-substrate interface 1-50810
- Chin-An Chang, Segmuller, A., Chang, L.L., Esaki, L.** Ge-GaAs superlattices by molecular beam epitaxy 1-39766
- Chin-Yen Huang** *see* Moore, R.D. 1-43429
- Ching-Lin Jiang, Plachno, R.** A 32K static RAM utilizing a three-transistor cell 1-32308
- Ching-shen Su** *see* Hao-yung Lo 1-52733
- Ching-Yuan Wu** The bias-dependent photoelectric barrier height of the Schottky diodes 1-40451
- Ching-Yuan Wu** Barrier height enhancement of the Schottky barrier diode using a thin uniformly-doped surface layer 1-46106
- Ching-yuan Wu** *see* Chung-yu Wu 1-32880, 1-36599
- Chinkov, V.N.** *see* Mints, M.Ya. 1-36160, 1-48246
- Chinlon Lin** *see* Pao-Lu Liu 1-37114
- Chinlon Lin** *see* Stolen, R.H. 1-37213
- Chinn, S.R., Zwicker, W.K.** A comparison of flash-lamp-excited  $\text{Nd}_{1-x}\text{La}_x\text{P}_2\text{O}_{14}$  ( $x=1.0, 0.75, 0.20$ ) lasers 1-28684
- Chino, M., Iida, T., Ikebe, Y., Katsurayama, K., Tsujimoto, T., Yamazaki, K.** A method for measuring each concentration of  $\beta$ -emitting nuclides mixed in air 1-52684
- Chiou, C.-F., Schaumann, R.** Refined procedure for optimising signal-to-noise ratio in cascade active-RC filters 1-45484
- Chiou, C.-F., Warner, R.M., Jr.** An addendum to 'on neutrality and equilibrium in semiconductors' 1-40446
- Chiou, W., Guenther, D.A., Jones, D.** Further analysis of a novel wave energy device 1-31092
- Chirulescu, M.** *see* Negoita, Gh. 1-46405
- Chiriach, T., Gramada, A., Manea, G.** The economic operation of the IRE, Suceava, [electricity] networks 1-49072
- Chiriach, T., Penciu, L., Duru, D.** Possibilities of realising data transmission within the conditions relating to the introduction of telecontrol systems with process computers. The presentation of some adequate models for the IRE Suceava 1-49074
- Chiriach, T.** *see* Mustata, O. 1-49073
- Chiricozzi, E., Ciaffi, M.** Optimal dimensional design data values via parametric sensitivity analysis for transient stability of a superconducting turbogenerator 1-53391
- Chiricozzi, E., Di Napoli, A., Honorati, O.** Dynamic analysis of the electromagnetic field in a chopper controlled DC motor 1-53486
- Chirino, O.I., Romanosky, R.J.** High creep strength alloy 1-27165
- Chirkin, V.N.** *see* Gabasov, V.M. 1-34705
- Chirkov, V.P.** Galvanomagnetic devices in threshold and oscillator devices 1-38177
- Chirlian, P.M.** Analysis and design of integrated electronic circuits 1-39316
- Chiroiu, V.** *see* Winter, G. 1-34895
- Chiron, G., Laj, C., Pocachard, J.** A high sensitivity portable spinner magnetometer 1-48837
- Chis, I., Ciura, A., Draganescu, V., Dragulescu, G., Grigoriu, C., Udrea, E., Udrea, M.V., Velculescu, V.G.** Operation of an electron beam controlled discharge  $\text{CO}_2$  TEA laser 1-37073
- Chisholm, H.C.** Digital control for a high-performance programmable signal generator 1-30140
- Chisholm, P.K.** The economics of joint electricity and gas distribution. II 1-43567
- Chistov, B.Ya.** *see* Adas'ko, V.I. 1-31250
- Chistyakov, P.N.** *see* Ivanov, V.P. 1-43254
- Chistyakov, V.A., Luzyanina, Z.N., Kozlyanikova, L.P.** Model of blackbody for the temperature range 50-300°C [pyrometer calibration] 1-48087
- Chitnis, V.T., Puntambekar, P.N.** An optical thin film thickness monitor 1-34276
- Chittineni, C.B.** On the extraction of features from slowly wandering patterns 1-41639
- Chittock, J.** Do video discs herald a new cultural revolution? 1-38033
- Chitwood, J.S.** *see* Hobbs, R.W. 1-48824
- Chiu, G.T., Fredericks, E.C.** Electron-beam resist developers 1-27901
- Chiu, G.T.** *see* Bartush, T.A. 1-50011
- Chiu, M.S., Chou, C.C.** New UV laser transitions of sulfur and oxygen 1-51346
- Chiuta, I.N.** Contributions to the synthesis of the non-linear inductor electrical network 1-27233
- Chivers, D.** *see* Smith, B.J. 1-27936
- Chivers, D.J.** Semiconductor doping by ion implantation 1-27938
- Chivulescu, C.** *see* Burcea, T. 1-53522
- Chizhenko, I.M., Korud, V.I., Kens, Yu.A.** Structure optimisation of device for controlling compound-excitation regime in compensation inverter 1-39068
- Chladek, T.G., Goodrich, R.A.** Fine positioning of series-welding heads 1-46407
- Chlipala, J.D.** *see* Bindels, J.F.M. 1-32306
- Chludzinska, A.** *see* Zientalski, M. 1-29239
- Cho, A.Y., Cheng, K.Y.** Growth of extremely uniform layers by rotating substrate holder with molecular beam epitaxy for applications to electro-optic and microwave devices 1-27112
- Cho, A.Y.** *see* Cheng, K.Y. 1-35946
- Cho, A.Y.** *see* Drummond, T.J. 1-40442, 1-45973
- Cho, C.F.** *see* Wolfson, R.I. 1-51752
- Cho, F.Y.** *see* Williams, D.F. 1-32950
- Cho, J.C.** Measurement of magnetic bubble magnetization and material length 1-40790
- Cho, Y., Holt, J., Jackson, H.E., Khoe, T.K., Mavrogenes, C.S.** A conceptual design of a linac-stretcher ring to obtain a 2-GeV continuous electron beam 1-42901
- Cho, Y., Holt, R.J., Jackson, H.E., Khoe, T.K., Mavrogenes, G.S.** Design study for a 2-GeV double-sided microtron 1-42872
- Cho, Y., Rauchas, A.V.** Observations and cure of head-tail effect in the Argonne Rapid Cycling Synchrotron 1-43031
- Cho, Y.** *see* Khoe, T.K. 1-42892
- Cho, Y.** *see* Ohke, S. 1-46565
- Cho, Y.** *see* Potts, C.W. 1-43173
- Cho, Y.** *see* Rauchas, A.V. 1-42959, 1-42962
- Cho, Z.H., Hong, K.S., Ra, J.B., Lee, S.Y., Hilal, S.K., Correll, J.** A new sampling scheme for the ring positron camera: dichotomic ring sampling 1-34577
- Cho, Z.H.** *see* Kim, H.S. 1-34583
- Cho, Z.H.** *see* Ra, J.B. 1-33629
- Cho, Z.H.** *see* Shim, Y.S. 1-47190
- Cho Chew Weng** *see* Weng Cho Chew
- Cho Gyu-Hyeong** *see* Gyu-Hyeong Cho
- Cho Yanglai** *see* Yanglai Cho
- Choate, W.C.** *see* McAulay, A.D. 1-42342
- Chobanyan, S.A.** *see* de Linde, V. 1-26996
- Choberka, J.M., Kozol, E.J., Mueller, W.** Cart-ridge spreader for diskette insertion 1-26908
- Chobola, Z., Synek, S.** Photodiodes of the SP 100 series 1-51277
- Chockalingam, M.J., Nagaraja Rao, K., Rangarajan, N., Suryanarayana, C.V.** Cadmium sulphide heterojunction photovoltaic cell for solar energy conversion 1-44383
- Chodan, I.W.** *see* Borodulja, W.A. 1-42772
- Chodorow, M.** *see* Park, H. 1-51539
- Choe, J.Y., Uhm, H.S., Ahn, S.** Broad-band operation in a dielectric loaded gyrotron 1-45862
- Choe, J.Y., Uhm, H.S., Ahn, S.** Analysis of the wide band gyrotron amplifier in a dielectric loaded waveguide 1-50720
- Choe Byung Doo** *see* Byung Doo Choe
- Choe Chu-hyun** *see* Chu-hyun Choe
- Choe Gyu-Ha** *see* Gyu-Ha Choe
- Choe Moon-Seok** *see* Moon-Seok Choe
- Choi, D.** *see* McCready, L. 1-51807
- Choi, J., Pilkington, T.C.** Effects of geometrical uncertainties on electrocardiography 1-30440
- Choi, J.R.** *see* Kudo, A. 1-44853
- Choi, K.Y.** *see* Un, C.K. 1-41596
- Choi, Q.** *see* Won Choi, Q.
- Choi, T.C.** *see* Gray, P.R. 1-45521
- Choi Hong-Soo** *see* Hong-Soo Choi
- Choi Kee-Ju** *see* Kee-Ju Choi
- Choi Yearn-Ik** *see* Yearn-Ik Choi
- Choithramani, S.J., Ravetkar, R.M., Iyer, M.R.** A comparative study of the shift register and conventional coincidence methods for neutron coincidence counting 1-30373
- Choji, K.** *see* Yatagai, T. 1-51860
- Chokoer, E.S.** *see* Novgorodov, M.Z. 1-37087
- Chokrylan, V.N.** *see* Abraizov, M.G. 1-36415
- Cholewicki, T.** Analysis of a nonuniform active n-wire transmission line by application of the method of differential equations 1-45217
- Cholewka, J.** Control with maintenance of a constant flux of an induction motor fed from a current inverter 1-53438
- Cholewka, J., Grzegorski, J.** Choice of induction motor for a drive with current inverter 1-53439
- Chollet, G.F., Astier, A.B.P., Rossi, M.** Evaluating the performance of speech recognisers at the acoustic-phonetic level 1-41575
- Choma, J., Jr.** A three-level broad-banded monolithic analog multiplier 1-50623
- Choma, J., Jr., Cosand, A.E.** A broad-banded integrated common-collector common-base differential quartet 1-32198
- Chon, C.T.** Review of application of approximation techniques to structures for dynamic responses 1-35918
- Chong, T.W.** *see* Lindsay, P.A. 1-32570
- Chong Ming Lin** A 4  $\mu\text{m}$  NMOS NAND structure PLA 1-32264
- Chong-Cheng Fu, Noujaim, S.E., Jaffe, R.S., Gerzberg, L., Melen, R.D.** Near-field uniform beams for pulsed doppler ultrasound 1-30579
- Chong-Min Kyung, Chong-Ki Kim** Charge-coupled A/D converter 1-40202
- Chong-rui Huo** *see* Huo Chong-rui
- Chongyun Wang** *see* Wang Chongyun
- Choo, S.C., Leong, M.S., Tan, L.S.** Spreading resistance calculations by the variational method 1-44793
- Choochun Lee** *see* Sung Hun Yang 1-45950
- Choochun Lee** *see* Yang-Sup Song 1-45949
- Choon Peng Tan** On the entropy of the Malay language 1-41462
- Choong, Y.C.** *see* Graham, D. 1-52272
- Choong-Ki Kim** *see* Chong-Min Kyung 1-40202
- Choong-Ki Kim** *see* Se-Ho Oh 1-27943
- Chopra, K.L.** *see* Bhushan, B. 1-27174, 1-40731
- Chopra, M.G.** *see* Kumar, A. 1-35673
- Chopra, R.C., Sarnot, S.L.** A statistical profile of electronics in India 1-31852
- Chorazy, M.** *see* Leszczynski, A. 1-30074
- Chorley, R.A.** *see* Laycock, J. 1-30021
- Chorowski, J., Kalinowski, B., Kwiatkowski, A.** The RPZ-20 relay programming and its ability to tolerate high frequency disturbances 1-49165
- Chorzempa, A.** *see* Bochenek, W. 1-38534
- Chot, T.** A modified forward I-U plot for Schottky diodes with high series resistance 1-50910
- Chotiros, N.P.** Differential Doppler shift and source level measurement in shallow water 1-48879
- Chottera, A., Shridhar, M., Sid-Ahmed, M.A., Julien, G.A.** Image processing techniques for quality control of manufactured parts 1-51847
- Chottin, L.** Enumeration of trees and inversion formulae for formal series 1-50202
- Chou, C.C.** *see* Chiu, M.S. 1-51346
- Chou, C.H., Bowers, J.E., Selfridge, A.R., Khuri-Yakub, B.T., Kino, G.S.** The design of broadband and efficient acoustic wave transducers 1-36807
- Chou, C.-H.** *see* Liang, K. 1-38612
- Chou, F.P.** *see* Wald, L.H. 1-41687
- Chou, H.M., Johnson, R.H., Clikeman, F.M.** An automatic fission track scanner 1-48631
- Chou, K.C., Corotis, R.B.** Simulation of hourly wind speed and array wind power 1-38936
- Chou, T.S., Lanni, C.** Lifetime of titanium filament at constant current 1-48392
- Chou, Y.S.** *see* Morris, F. 1-40792

- Chou Wushow *see* Wushow Chou
- Choudry, A. Digital holographic interferometry of convective heat transport 1-33288
- Choudry, A. Digital interferographic metrology (DIM) 1-33292
- Chouinard, G. Satellite beam optimization for the Broadcasting Satellite Service 1-33941
- Chow, J.H. *see* Winkelman, J.R. 1-34770
- Chow, R. *see* Chai, Y.G. 1-39762
- Chow, Y.L., Chaudhuri, S.K. Non-linear optimization for field, scattering and SEM problems 1-41226
- Chow Siu-Kay *see* Siu-Kay Chow
- Chowanec, A. *see* McCready, L. 1-51807
- Chowanec, A. *see* Sunter, S.K. 1-50550
- Chowdhary, S.N.R., Sain, M. Sudden change in longwave field intensity and X-ray flares 1-46873
- Chowdhuri, P., Mahaffy, M.A. Wave propagation in a DC superconducting cable. I. Analysis 1-38766
- Chowdhuri, P., Mahaffy, M.A. Wave propagation in a DC superconducting cable. II. Parametric effects 1-38767
- Chowdhury, R. Anticipating the future needs of engineering education 1-26821
- Chowdhury, S. *see* Banerjee, B.M. 1-39071
- Chowdhury, S.K., Bandyopadhyay, C. Propagation of electromagnetic waves through a microstrip transmission line with sinusoidally varying width 1-28952
- Chown, D.P.M. Dynamic range extension for PIN-FET optical receivers 1-42278
- Chran, J. The application of the dialogue technique to the design of electrical installations 1-43608
- Chressanthos, A. *see* Gaffney, B. 1-42313
- Chretien, J.F. *see* Bac, P. 1-30060
- Chriljow, L.S., Fedjaew, A.W., Sokolowa, W.J. Choice of optimal parameters for heat agents in heat transmission from nuclear heat-power stations 1-43836
- Christ, A., Peron, M. Hydrostatic thrust bearings for storage pumps 1-38927
- Christ, A. *see* Schreiber, V. 1-42758
- Christakos, G.J. *see* ShumPERT, T.H. 1-39660
- Christel, L.A., Gibbons, J.F. Silver recoil yield resulting from krypton implantation 1-50872
- Christel, L.A., Gibbons, J.F., Mylroie, S. Recoil range distributions in multilayered targets 1-36559
- Christen, E. Low pass filters for use in PCM systems 1-42131
- Christen, E. *see* Leuenberger, R. 1-36246
- Christensen, B. *see* Skelboe, S. 1-45043
- Christensen, C.R. *see* Duthie, J.F. 1-30053
- Christensen, G.S. *see* Shamaly, A. 1-53398
- Christensen, J.L. One IC forms dual-pulse-width one-shot 1-27349
- Christensen, N.T. *see* Yamagiwa, A.T. 1-49539
- Christensen, R. *see* Reintjes, J. 1-46800
- Christensen, T.C., Guiragossian, Z.G.T. Performance of intense pulsed ion source 1-43180
- Christian, E. International standardisation of magnetic tape cassettes for sound recording 1-38070
- Christiana, W.R. Wound connector—multiple contact 1-40284
- Christiansen, C. *see* Carter, C. 1-42940
- Christiansen, H. Concept of a modern hybrid test system 1-47912
- Christiansen, J. *see* Ascher, U. 1-39676
- Christiansen, P., Kohlbacher, G.R. CCD for PAL decoder 1-42395
- Christiansen, P.L., Lomdahl, P.S., Scott, A.C., Soerensen, O.H., Eilbeck, J.C. Internal dynamics of long Josephson junction oscillators 1-51103
- Christiansen, P.L., Lomdahl, P.S., Zabusky, N.J. Tunable oscillator using pulsions on large-area lossy Josephson junctions 1-51104
- Christiansen, W. *see* Brunkhorst, J. 1-48138
- Christiansen, W.H. *see* Wasserstrom, E. 1-37208
- Christie, W.H. *see* White, C.W. 1-46061
- Christodoulides, C.E. *see* Tognetti, N.P. 1-36525
- Christofides, N. *see* Balas, E. 1-39594
- Christoloveanu, S., Kamarinos, G., Mohaghegh, A., de Pontcharra, J., Staderini, R. Magnetodiodes on silicon on sapphire: a new kind of microelectronics magnetic sensors 1-30111
- Christophorou, L.G., James, D.R., Mathis, R.A. Dielectric gas mixtures with polar components 1-28159
- Christou, A., Wilkins, B.R. Assessment of high temperature metallizations for I<sup>2</sup>L and CMOS technologies 1-36575
- Christou, A. *see* Anderson, W.T., Jr. 1-36517, 1-36528
- Christou, A. *see* Cohen, E.D. 1-36624
- Chrobaczek, D. *see* Behrend, H.-J. 1-43229
- Chromik, S. Oxidation of lead during the preparation of Josephson tunnel junctions 1-32997
- Chrones, C. Parametric testers evaluate wafer processing 1-47884
- Chu, A., Courtney, W.E., Mahoney, L.J., Lincoln, G.A., Macropoulos, W., Sudbury, R.W., Lindley, W.T. GaAs monolithic circuit for millimeter-wave receiver application 1-28082
- Chu, B.L. *see* Chen, C.L. 1-47121, 1-47122
- Chu, C.K. A note on multiple error detection in ASCII numeric data communication 1-33416
- Chu, C.W. *see* Meng, R.L. 1-27158
- Chu, F.Y. Experience with solid arcing by-products in SF<sub>6</sub> insulated equipment 1-35294
- Chu, J.L., Gersbach, J.E., Wang, W. High sensitivity sense amplifier 1-27301
- Chu, K.R., Lau, Y.Y., Barnett, L.R., Granatstein, V.L. Theory of a wide-band distributed gyrotron traveling-wave amplifier 1-40350
- Chu, K.R. *see* Barnett, L.R. 1-40351
- Chu, P.L., Messerschmitt, D.G. An allpass transformed lattice filter with improved sensitivity properties 1-37462
- Chu, P.L., Peri, D. Holographic measurement of refractive-index profile in the transition region of an optical fiber preform 1-33028
- Chu, P.L. *see* Peri, D. 1-40888
- Chu, R.S. *see* Peng, S.Y. 1-52156
- Chu, S.L., Yuan, C.H., Ke, W.P. Electric power distribution and utilization in Taiwan 1-43669
- Chu, S.S. *see* Chu, T.L. 1-36476
- Chu, T. *see* Pathak, P.H. 1-41316
- Chu, T.L., Chu, S.S., Lin, C.L., Tzeng, Y.C., Kazmerski, L.L., Ireland, P.J. Reduction of grain boundary effects in indium phosphide films by nitridation 1-36476
- Chu, T.S. Analysis and prediction of cross-polarization on Earth-space links 1-28902
- Chu, T.S. Broadband astigmatic compensation [reflector antennas] 1-51689
- Chu, W.K., Mayer, J.W., Ottaviani, G. Tailoring of metal silicide formation rate 1-50824
- Chu, W.K. *see* Campbell, D.R. 1-50906
- Chu, W.K. *see* Chin-An Chang 1-27876
- Chu, W.K. *see* Rimini, E. 1-50758
- Chu, W.T., Alonso, J.R., Tobias, C.A. Heavy ion beam studies and imaging with a multiplane multiwire proportional chamber 1-43371
- Chu, W.T. *see* Alonso, J.R. 1-48748
- Chu, W.W., Fayolle, G., Hibbits, D.G. An analysis of a tandem queueing system for flow control in computer networks 1-33796
- Chu Nguen Ngos *see* Nguen Ngos Chu
- Chu Ruey-Shi *see* Ruey-Shi Chu
- Chu Tao Wu *see* Posner, M.E. 1-27042
- Chu Te Chang *see* Deutch, B.I. 1-27932
- Chu-hyun Choe *see* Wha-tek Kim 1-53590
- Chu-Sun Yen Distortion analysis of base-driven differential pairs 1-36042
- Chua, L.O. *see* Matsumoto, T. 1-32148, 1-45230
- Chuan-jin Wang *see* Wang Chuan-jin
- Chuan-lin Wu, Tse-yun Feng The universality of the shuffle-exchange network 1-33797
- Chuan-Shui Hu *see* Lang Jen 1-51698
- Chuan-yi Li *see* Li Chuan-yi
- Chuang, C.W. *see* Burnside, W.D. 1-41331
- Chuang, S.L. *see* Kong, J.A. 1-48844
- Chuang, S.-L., Kong, J.A. Scattering of waves from periodic surfaces 1-51581
- Chuang, S.Y. *see* Dai, C.C. 1-48650
- Chuang Che-I *see* Che-I Chuang
- Chuang-Qi Zhu *see* Zhu Chuang-Qi
- Chubachi, N. *see* Kushibiki, J. 1-32659, 1-48910
- Chubb, C.R., Allen, L.B., Nettle, V.H., Rice, R.R. RF modulation of a high power GaAlAs laser diode array 1-28725
- Chubb, G.P., Purvis, B.D., Sharp, E.D. Validating manned system design and engineering change proposals 1-49931
- Chubinskii-Nadezhdin, I.V. *see* Krisyuk, E.M. 1-30331
- Chudacek, R.C. *see* Landgrebe, A.R. 1-31408
- Chudinov, S.M. *see* Brandt, N.B. 1-32646
- Chudnovski, F.A. *see* Bugaev, A.A. 1-46766
- Chudobiak, W.J. *see* Bultitude, R.J.C. 1-48231
- Chudobiak, W.J. *see* Kumar, S. 1-45344
- Chudov, A.A. *see* Blatov, V.V. 1-27428
- Chuen-Der Lien *see* Chun Hsiung Chen 1-41213
- Chugui, Yu.V. *see* Bogomolov, E.N. 1-42740
- Chugui, Yu.V. *see* Mikhlyayev, S.V. 1-39409
- Chujo, W. *see* Shibayama, K. 1-32955
- Chuk-Min Ho *see* Boerner, W.-M. 1-37291
- Chukheli, M.A. *see* Kelin, N.A. 1-28251
- Chulanov, V.G. Improvement of automatic quality control in cooperative production 1-44734
- Chum, H.L., Fahlsing, R.F., Jayadev, T.S. Analysis of the application of thermogalvanic cells to the conversion of low grade heat to electricity 1-31478
- Chumakov, A.I. *see* Astvatsatur'yan, E.R. 1-41255
- Chun Bin Lim, Warden, E., Haque, P. CT image noise and resolution behavior in RC filter-based projection data acquisition 1-34585
- Chun Hsiung Chen, Yean-Woei Kiang, Chuen-Der Lien The complex-power error-estimation criteria for one-dimensional wave propagation problems 1-41213
- Chun Hsiung Chen *see* Liu, C.-T. 1-46988
- Chun Moo Lo Forward looking infrared (FLIR) image enhancement for the automatic target cuer system 1-47954
- Chun-Ching Shih, Yariv, A. Inclusion of space-charge effects with Maxwell's equations in the single-particle analysis of free-electron lasers 1-51305
- Chun-fei Li *see* Li Chun-fei
- Chun-Sing O, Schuessler, H.A. Confinement of ions created externally in a radio-frequency ion trap 1-43121
- Chun-Sing O, Schuessler, H.A. Storage and injection of charged particles in an electrostatic trap 1-46830
- Chun-sing O *see* Schuessler, H.A. 1-52628
- Chung, F.R.K., Erdos, P., Graham, R.L. Minimal decompositions of graphs into mutually isomorphic subgraphs 1-39568
- Chung Duck Ko *see* Mulligan, G.A. 1-34765, 1-43609
- Chung Ha Suh A model for the drain voltage and gate voltage dependence of the current fluctuation spectrum of unsaturated JFETs 1-32823
- Chung Hon Lam *see* Kotecha, H.N. 1-28046
- Chung Sung J. *see* Sung J. Chung
- Chung Who Kee *see* Who Kee Chung
- Chung Yih Chen, Shyh Wang Effects of the current distribution on the characteristics of the semiconductor laser with a channelled-substrate planar structure 1-37139
- Chung-Chi Cha, Harrington, R.F. Electromagnetic transmission through an annular aperture in an infinite conducting screen 1-33326
- Chung-in Hsu *see* Hsu Chung-in
- Chung-Yee Chan *see* Martin Boerner, W. 1-41208
- Chung-Yih Chen *see* Shyh Wang 1-33235
- Chung-yu Wu, Ching-yuan Wu The new general realization theory of FET-like integrated voltage-controlled negative differential resistance devices 1-32880
- Chung-Yu Wu, Ching-Yuan Wu Characteristics and design considerations of lambda bipolar transistor (LBT) 1-36599
- Chupp, W., Faltens, A., Hartwig, E., Hoyer, E., Keefe, D., Kim, C., Lampel, M., Lofgren, E., Nemetz, R., Rosenblum, S.S., Shiloh, J., Tiefenbeck, M., Vanecek, D., Herrmannsfeldt, W. Operating experience with a high current Cs<sup>+</sup> injector for heavy ion fusion 1-48405
- Chura, V. Forces in similar end-windings 1-31169
- Chura, V. An instrument for assessing the state of insulation of stator cores 1-34307
- Chura, V., Dvorak, F. Frequency characteristic of a coil embedded in a laminated slot 1-31160
- Churakov, V.V. *see* Bertel, I.M. 1-51359
- Churakov, V.V. *see* Ivanenko, M.M. 1-51378
- Churakov, Ye.P., Fat'yanov, S.O. On the discrete filtration of piece-steady signals 1-37494
- Churakova, V.G. *see* Vasilyev, S.N. 1-37700
- Church, J. Custom and semicustom i.c. design 1-28061
- Church, M.A., Hitchner, J.E., Leonhardt, M.L., Yeh, T.H. Method for wiring a magnetic head 1-28244
- Churchill, T.L. *see* Willenberg, H.J. 1-30943
- Chvilev, G.D. *see* Pyshkin, I.M. 1-33635
- Chvojikova, M. Superconducting switches and their utilisation in superconducting magnetic systems and power networks 1-33012
- Chvojikova, M. Some results of analysis of combined power transmission 1-34834
- Chwang, R. *see* Yu, K.K. 1-28134
- Ciaffi, M. *see* Bartoletti, C. 1-38735
- Ciaffi, M. *see* Chiricozzi, E. 1-53391
- Ciak, F.J. *see* Bobeck, A.H. 1-46450
- Ciancaglini, G. Enhanced multiplier cuts parts count 1-32254
- Ciao-Guang Zhou *see* Zhou Ciao-Guang
- Ciaracia, S. DC motor controls: build a motorized platform 1-39011
- Ciarlini, R.M., Jordao, W. Pumped-storage development in Brazil. II 1-31096
- Ciarlini, R.M., Jordao, W. Pumped-storage development in Brazil. III 1-35095
- Ciavola, G., Lanzano, G., Palmeri, A., Trovato, A. Preparazione e studio di bersagli solidi di azoto per esperimenti di fisica nucleare (Preparation and study of solid nitrogen targets for nuclear experiments) 1-48568
- Ciazynski, D., Mantsch, P. Correction magnet packages for the Energy Saver 1-43111
- Ciccotti, M., Papa, M., Salati, C. EMMET: the kernel of the multimicroprocessor operating system for a small local exchange 1-29552
- Ciccotti, M. *see* Bucci, B. 1-29553, 1-42086
- Ciccu, R. *see* Carta, M. 1-39266
- Cichy, M. Development of microcomputer based engine test stand instrumentation 1-38121
- Cicognani, E. *see* Decina, M. 1-29300
- Ciddor, P.E., Bruce, C.F. Long-term stability of a thermally-stabilized He-Ne laser 1-46687
- Ciechoski, E.D., Shearon, P.C. Algorithm for test generation justification block decisions 1-32271
- Ciechoski, E.D., Shearon, P.C. Algorithm for controlling test generation propagation block decisions 1-32272
- Ciesielski, M.J., Kinnen, E. An optimum layer assignment for routing in ICs and PCBs 1-46262
- Cieslinka, A. *see* Brzezinski, A. 1-29576

- Cieslinska, A., Taras, E. PENTACONTA 1000c urban telephone exchange operation 1-33898
- Cieslinska, A. *see* Brzezinski, A. 1-29551
- Ciessow, G. *see* Parsch, C.P. 1-53724
- Cifarelli, L. *see* Basile, M. 1-43250, 1-43251
- Cihangir, S. *see* Jonckheere, A. 1-30300
- Cilea, M.I. *see* Cristescu, P. 1-28621
- Cilyo, F.F., Mills, F.E., Miyahara, Y. Active filter for high current DC magnets 1-48373
- Cimabue, A.G. *see* Liska, D.J. 1-43078
- Ciminiera, L., Serra, A. High speed correlator circuits 1-27449
- Cindrich, I., Tai, A., Fienup, J.R., Aleksoff, C.C. Concepts for numerical optical computers 1-51827
- Cingo, R.P. Wind energy conversion—is it environmentally acceptable? 1-31141
- Cingolani, A. *see* Baldassarre, L. 1-45969
- Cioara, E. Concerning a mixed algorithm for 'clustering'. A technical application 1-47233
- Ciochina, S. *see* Dragulescu, M. 1-47291
- Cioffi, J.M., Jr., Hatisos, J.G., McDonald, J.A. Shock-proof module package 1-50016
- Ciofu, L.V. Rumanian education and scientific research in Moldavia in the fields of physics and electrical engineering 1-49884
- Ciota, Z. *see* Dziech, A. 1-37388
- Cipolla, F.W. A 7.5-GHz microstrip phased array for aircraft-to-satellite communication 1-29026
- Cipolla, J.R. *see* Butler, J.L. 1-52965
- Cipolla, S. *see* Mildebrath, M. 1-38451
- Cipriani, F. Automation and control systems in thermoelectric power stations 1-30976
- Cipriano, W.E. Understanding aging of electronic components 1-35689
- Cirant, S., Piacentini, I. A new 2-kV common-mode voltage wide-band isolation amplifier 1-45295
- Cirilli, F. *see* Baldini-celio, R. 1-27355
- Cirillo, M. *see* Dueholm, B. 1-36849
- Cirina, M. A remark on complementarity 1-44947
- Cirtina, G. *see* Ivas, D. 1-49076
- Cisneros, E., Hutchinson, D., McShurley, D., Richter, R., Shapiro, S. A low noise PWC cathode readout system 1-34501
- Cistola, A.B. Sputtering rate monitor system 1-52523
- Ciszek, M., Golab, S., Kozlowski, G., Tekiel, P. Influence of surface layer and trapped flux on minimum AC losses in superconductors 1-28295
- Citerne, J. *see* Gelin, P. 1-37341
- Citron, A. *see* Bauer, W. 1-43110
- Ciuciura, A. Data graphic displays 1-47947
- Ciupina, V. On the determination of some transport parameters of GaAs by geometrical magneto-resistance studies 1-36481
- Ciupina, V. On metal-semiconductor contact resistance of GaAs microwave devices 1-50626
- Ciura, A. *see* Chis, I. 1-37073
- Ciura, A.I. *see* Apostol, D. 1-51544
- Civalleri, P.P. *see* Carlin, H.J. 1-41277, 1-51647
- Claassen, T.A.C.M., Jongepier, A. Model for the power spectral density of quantization noise 1-47193
- Claassen, T.A.C.M., Mecklenbrauker, W.F.G. The Wigner distribution—a tool for time-frequency signal analysis 1-33631
- Claassen, T.A.C.M., Mecklenbrauker, W.F.G. Comparison of the convergence of two algorithms for adaptive FIR digital filters 1-37499
- Claassen, T.A.C.M., Mecklenbrauker, W.F.G. Time-frequency signal analysis by means of the Wigner distribution 1-37592
- Claassen, T.A.C.M., Mecklenbrauker, W.F.G. On stationary linear time-varying systems 1-45240
- Claassen, J.P. *see* Moore, R.K. 1-47719
- Claassen, W.A.P., Bloem, J. Rate-determining reactions and surface species in CVD of silicon. III. The  $\text{SiH}_4\text{-H}_2\text{-N}_2$  system 1-27147
- Claassen, W.A.P., Bloem, J. The nucleation of CVD silicon on  $\text{SiO}_2$  and  $\text{Si}_3\text{N}_4$  substrates. III. The  $\text{SiH}_4\text{-HCl-H}_2$  system at low temperatures 1-45115
- Claburn, R.J.T., Clarke, G.J. Advances in cable joining techniques using heat shrinkable components 1-43761
- Claesson, G., Soderstrom, K., Ingelman, G. On the production of thick pellicles of Kodak NTB-3 nuclear track emulsion 1-34492
- Clampitt, R. *see* Park, R.M. 1-35961
- Clancy, D.E., Kane, M.H. Rules for lead angle bounding in a stepper motor 1-31262
- Clare, A.B. *see* Aldridge, E.E. 1-39837
- Clarholm, J., Vikarby, B. The DC motor: easy to control 1-31243
- Clark, A.F. *see* Fujii, G. 1-34893
- Clark, A.P. Distance measures for near-maximum-likelihood detection processes 1-33614
- Clark, A.P. Equalisation and detection techniques 1-41788
- Clark, A.P., Asghar, S.M. Detection of digital signals transmitted over a known time-varying channel 1-37512
- Clark, A.P., Fairfield, M.J. Detection processes for a 9600 bit/s modem 1-51998
- Clark, C.A. *see* Jones, L.T. 1-42652
- Clark, C.E. *see* Boyd, D.W. 1-49917
- Clark, D.C. *see* Potter, R.C. 1-48280, 1-48332
- Clark, D.E. HF low-loss nanosecond variable delay line 1-41269
- Clark, D.F. Specification and purchase of electrical equipment—viewpoint from a small developing country 1-39338
- Clark, D.R. *see* Raymond, L.S. 1-36414
- Clark, D.S. A stochastic difference equation 1-50075
- Clark, D.T., Fok, T. Surface modification of InP by plasma techniques using hydrogen and oxygen 1-32774
- Clark, G.A., Mitra, S.K., Parker, S.R. Block implementation of adaptive digital filters 1-37504
- Clark, G.A., Rodgers, P.W. Adaptive prediction applied to seismic event detection 1-51830
- Clark, G.C., Jr., Cain, J.B., Thaker, G.H. A modified Omura algorithm for decoding binary group codes 1-33553
- Clark, G.F. *see* Waltham, N.R. 1-40622
- Clark, G.M. Use of Polya distributions in approximate solutions to nonstationary M/M/s queues 1-39506
- Clark, J., Collins, P., Lowerre, B. A formalization of performance specifications for discrete utterance recognition systems 1-41574
- Clark, J.C. *see* Fessenden, T.J. 1-48557
- Clark, J.E. A review of techniques for speech synthesis 1-41522
- Clark, K.W., McLearn, P.W., Kortas, R.G., Mead, C.N., Thomas, L.J., Jr. Argus/2H detection of ST-segment changes in ambulatory ECG recordings 1-52786
- Clark, L.J., Edel, W.A., Haddad, N.F., Sharif, A.U. Schottky barrier diode leakage reduction 1-50905
- Clark, M.G., Harrison, K.J. Multiplexing capability of dual-frequency addressed liquid crystal devices 1-52543
- Clark, P.W., Cava, F.P. Cast coil transformers 1-49547
- Clark, R. Videotex: information display for the mass market 1-47373
- Clark, R.E. *see* Rickley, A.L. 1-39039, 1-44153
- Clark, R.F., Griffin, E.J., Inoue, T., Weidman, M.P. An international intercomparison of power standards in WR-28 waveguide 1-48189
- Clark, R.J., Hammond, B. Nondestructive chemical removal of encapsulants used in semiconductor packaging 1-46042
- Clark, R.J., Wheeler, R.H. Screenable alpha particle barrier [Si semiconductor devices] 1-50853
- Clark, R.P. *see* Caskey, D.L. 1-31414
- Clark, R.P. *see* Wareham, W.W. 1-40253
- Clark, S.A. Dynamic range, uniformity, and sensitivity of charge-coupled staring mosaic infrared imagers 1-47979
- Clark, T.D., Widom, A., Koch, R.H., Van Harlingen, D.J., Clarke, J. Quantum tunneling paths in superconducting weak links 1-40867
- Clark, T.D. *see* Prance, R.J. 1-38486
- Clark, T.F. *see* Pflanz, H.M. 1-43796
- Clark, W., Gornall, W. Electro-mechanical tuning of CW dye lasers 1-46704
- Clark, W.M. *see* Godfrey, T.E. 1-48794
- Clarke, D. Generate audio-distortion levels that are frequency, level-independent 1-52284
- Clarke, E. *see* Entine, G. 1-34452
- Clarke, F.H. Periodic solutions to Hamiltonian inclusions 1-50089
- Clarke, G. Low cost data driver 1-47418
- Clarke, G.J. *see* Claburn, R.J.T. 1-43761
- Clarke, J. Minislot 455 kHz signal generator 1-42628
- Clarke, J. Guitar amplifier for practice sessions 1-47832
- Clarke, J. Analog/digital storage CRO adapter 1-48130
- Clarke, J. Heart rate monitor to build 1-52751
- Clarke, J., Summers, J.E. Requirements for protection of radar receivers 1-44664
- Clarke, J. *see* Clark, T.D. 1-40867
- Clarke, J. *see* Koch, R.H. 1-28313
- Clarke, J. *see* Rider, G.C. 1-46925
- Clarke, J. *see* Scoop, I.W. 1-42336
- Clarke, J.R., Greene, J.E. Polycrystalline CdS films with large photoconductive gain grown by reactive sputtering 1-45120
- Clarke, J.R. *see* Greene, J.E. 1-50811
- Clarke, K.E., Childs, G.H.L. The future of videotex 1-47367
- Clarke, R. *see* Wallace, J.N. 1-43954
- Clarke, R.C. Indium phosphide vapor phase epitaxy: a review 1-39793
- Clarke, R.C. *see* Loh, K.W. 1-36753, 1-40540
- Clarke, R.H. *see* Kanellopoulos, J.D. 1-28914, 1-33349, 1-33350
- Clarke, R.J. *see* Ismail, M.G. 1-29113
- Clarke, R.J. *see* Ismail, M.G.B. 1-51936
- Clarke, R.J. *see* Najdi, H. 1-51888
- Clarke, T.C., Grant, P.M., Wieder, H. Organic materials for ablative recording 1-51141
- Clarke, T.C. *see* Grant, P.M. 1-36520
- Clarke, T.L. Augmented passive-radiator loud-speaker systems. II 1-47842
- Clarke, T.L. Augmented passive-radiator loud-speaker systems. I 1-47855
- Clarke, W.R. *see* Broffitt, B. 1-35785
- Clarotti, C.A., Spizzichino, F. Minimal-cut reliability lower-bound for systems containing standby modules 1-44864
- Clarricoats, P.J.B. Theoretical comparison of crosspolar performance of dielectric and corrugated feeds 1-33412
- Clarricoats, P.J.B. Feeds for reflector antennas—A review 1-41443
- Clarricoats, P.J.B., Elliot, R. Multimode monopulse corrugated feed 1-42334
- Clarricoats, P.J.B., Elliot, R. Corrugated waveguide monopulse feed 1-47079
- Clarricoats, P.J.B., Elliot, R.D. Multimode corrugated waveguide feed for monopulse radar 1-29037
- Clarricoats, P.J.B., Mahmoud, S., Olver, A.D. Cross-polar behaviour of wide-angle corrugated horns 1-47051
- Clarricoats, P.J.B., Parini, C.G., Rizk, M.S.A.S. Methods for improving the performance of radome covered reflector antennas 1-41336
- Clasen, R. Low-dose electroradiographic multilayer system with PbO binder layers 1-33318
- Class, F. *see* Zelinski, R. 1-41588
- Classen, A., Guiard, J.-P. Control of telephone switching software production 1-47473
- Claudet, G. Cooling modes for superconducting magnets 1-51122
- Claudet, G. *see* Seyfert, P. 1-51123
- Claus, A., Kratzig, S. Optimal planning of network structures within an exchange area 1-51895
- Claus, A.J., Labianca, F.M. Adaptive focusing: a spatial distortion-adaptive receiver 1-52959
- Claus, J., Foelsche, H. Extraction for ISABELLE 1-48386
- Claus, R. *see* Wagner, W.D. 1-33279
- Claus, R.O., Cantrell, J.H., Jr. DC calibration of the strain sensitivity of a single mode optical fiber interferometer 1-43471
- Claus, R.O. *see* Turner, T.M. 1-43403
- Claus, R.O. *see* Zerwekh, P.S. 1-43470
- Clausen, C. *see* Killat, U. 1-28458
- Clausnitzer, G. *see* Arnold, W. 1-43152
- Claussen, U., Leonhard, W. Microprocessor-controlled linear synchronous motor as positioning drive 1-49508
- Claussnitzer, G. A motor without rotary parts 1-44124
- Claverie, M., Dupas, A. The SOPHOCLE program 1-53684
- Clay, C.W. New all-electric-system technology [aircraft] 1-52886
- Clay, W.T. *see* Abele, R.K. 1-34462
- Claydon, B. *see* Adatia, N.A. 1-41355
- Claydon, B. *see* Gupta, G.S. 1-41445
- Clayton, F.M. *see* Robinson, J.M. 1-42174
- Clayton, L.C. Radiant heating from high-temperature air [space heating] 1-53788
- Clayton, R. Hybrid heating systems: low cost electricity substitution 1-49808
- Clayton, R. *see* Broschot, M. 1-43724
- Clayton, R. *see* Broschot, M. 1-38776
- Clayton, T.N., Greene, D.A., Malovrh, J. Measurement of acoustic background noise on the EBR-II steam generators 1-30937
- Cleary, T.P. *see* Lord, R.S. 1-42893
- Cleary, T.P. *see* Martin, J.A. 1-42895
- Clecak, N.J., Cox, R.J. Dyes for guest-host liquid crystal displays 1-46583
- Clecak, N.J., Cox, R.J. Yellow dyes for liquid crystal displays 1-52529
- Clegg, T.B., Mitchell, S.M., Varner, R.L., Wylie, W.R., Wender, S.A., Floyd, C.E., Murphy, K., Wright, M.E. An upgrading program for the TWNL Lamb-shift polarized source 1-43153
- Clegg, T.B. *see* Gould, C.R. 1-43169
- Cleghorn, R. PRIMEAIDS: an integrated electrical design environment 1-46254
- Cleland, J.O. Cogeneration application on the TVA system 1-49008
- Clement, C., Capgras, A., Sueur, M. Neutron spectrometry in France 1-34517
- Clement, G. *see* Berta, I. 1-36699
- Clement, W.H. *see* Zepieri, D.J. 1-45723
- Clemente, S., Pelly, B. A chopper using parallel connected power MOSFETs 1-45274
- Clemente, S., Pelly, B., Ruttonsha, R. Apply a few design rules to avoid destroying power FETs 1-46137
- Clements, G.F., Gronau, H.-D.O.F. On maximal antichains containing no set and its complement 1-26997
- Clements, J.L., Ladewski, C.T., Radhakrishnan, B.D. GTD-5 EAX system maintenance 1-29536
- Clements, J.L., Ladewski, C.T., Radhakrishnan, B.D. GTD-5 EAX system maintenance 1-29572
- Clements, K.A., Krumpholz, G.R., Davis, P.W. Power system state estimation residual analysis: an algorithm using network topology 1-34828

- Clements, K.A., Krumpolz, G.R., Davis, P.W.  
Power system state estimation residual analysis:  
an algorithm using network topology 1-38707
- Clements, K.E. *see* Bates, C.W., Jr. 1-27749
- Clemmer, R.G. *see* Baker, C.C. 1-35016
- Clendenin, J. *see* Richter, B. 1-42876
- Clendenin, J.E. Proposal for a pulsed lithium beam  
polarized target 1-43166
- Clendenin, J.E., Loew, G.A., Miller, R.H., Pelle-  
grin, J.-L., Truher, J.B. Single bunch beam  
measurements for the proposed SLAC linear  
collider 1-42991
- Cleobury, E.G. *see* Bradford, M. 1-49091
- Clerc, J.-L. Estimates near infinity for generalised  
Bessel functions 1-35710
- Clercq, A.S. *see* de Clercq, A.S.
- Clerici, E., Lionetto, P.F., Tommazzoli, G.F.,  
Vergani, A. Suggested items to be considered  
when studying the interface between industrial  
and public distribution systems 1-48993
- Clerjaud, B., Gendron, F., Porte, C. Chromium-  
induced up conversion in GaP 1-33124
- Cleveland, J.W. *see* Fukuoka, N. 1-27933
- Clifford, K.M. *see* Monsen, P. 1-29059
- Clifford, P.C., Skidmore, R., Bird, D.R.,  
Lusby, R.J., Baird, R.N., Woodcock, J.P.,  
Wells, P.N.T. Pulsed Doppler and real-time  
'duplex' imaging of dacron arterial grafts  
1-30401
- Clifford, S.F. *see* Hill, R.J. 1-28916
- Cliff, B.G. *see* Aron, J. 1-48302
- Clifton, B.J., Alley, G.D., Murphy, R.A., Piacen-  
tini, W.J., Mroczkowski, I.H., Macropoulos, W.  
Cooled low-noise GaAs monolithic mixers at  
110 GHz 1-45695
- Clikeman, F.M. *see* Chou, H.P. 1-48631
- Climov, V. *see* Dulescu, I. 1-52438
- Cline, D.B. The development of bright antiproton  
sources and high energy density targeting  
1-48575
- Cline, T.L. *see* Teegarden, B.J. 1-30382
- Cline, T.W. *see* Tomlinson, W.J. 1-36930
- Clique, M. *see* Capel, A. 1-34669
- Clobanu, G. On feasible solutions for project sche-  
duling problem 1-44667
- Clos, G. *see* Becker, K.-P. 1-35173
- Closa, C. The problem of irradiation in the opera-  
tion of reactors 1-35015
- Closa Ruiz-Medrano, C. Pulse techniques applied  
to the investigation of faults in power supply  
networks 1-49191
- Close, E., Herrmannsfeldt, W.B. Numerical  
simulation of the transport of intense beams of  
heavy ions in an electrostatic quadrupole system  
1-42984
- Close, E.R. Numerical simulation of survey misal-  
ignment effects in the ATA structure 1-43068
- Clotet, R. *see* Poza, L. 1-49121
- Clouthier, R. Real time digital image processing:  
architecture and capabilities 1-51854
- Clouthier, R.J. *see* Watson, E.E. 1-48759
- Clover, M.R. *see* Lettau, H. 1-38456
- Cloyd, J.S. *see* Brown, R.A. 1-30523
- Coates, P.B., Andrews, J.W. Measurement of gain  
changes in photomultipliers 1-50733
- Coates, R. Some observations concerning multipath  
propagation at high sonar frequencies 1-48878
- Coates, R.A. *see* Johnson, L.O. 1-34512
- Coaton, J.R. Lamps 1-35496
- Coats, R. *see* Broadley, I.C. 1-49304
- Cobbold, R.S.C. *see* Arenson, J.W. 1-43329
- Cobbold, R.S.C. *see* Kassam, M.S. 1-43469
- Cobelli, C., Mariani, L. Recent bioengineering  
research activity in Italy 1-34554
- Cobian, J.M., Ruiz, M.C. An optimization model  
for the planning of electrical distribution net-  
works 1-49060
- Cocconi, A. Feedback reduces offset in wideband  
video amplifiers 1-32189
- Cochet, G. *see* Cheurlin, A. 1-53583
- Cochran, R.R. Floodlighting for the offshore oil  
industry 1-53768
- Cochrane, N.A. *see* Dunsiger, A.D. 1-48872
- Cochrane, P. *see* Kitchen, J.A. 1-42266
- Cochrane, P. *see* Navarro, D. 1-42141
- Cochrane, T., Earnshaw, J.C., Love, A.H.G. Laser  
Doppler measurement of blood velocity in  
microvessels 1-52765
- Cocito, M., Gorgellino, F. Electron beam testing  
and failure analysis of LSI circuits 1-46036
- Cock, G.L. Computer aided design of printed  
circuit board layouts 1-27682
- Cockayne, B., Brown, G.T., MacEwan, W.R. Dis-  
location clusters in Czochralski-grown single  
crystal indium phosphide 1-27097
- Cockayne, B., Brown, G.T., MacEwan, W.R. The  
growth and perfection of single crystal indium  
phosphide produced by the LEC technique  
1-39752
- Cockayne, B., MacEwan, W.R., Brown, G.T., Wil-  
goss, W.H.E. A systematic study of the electri-  
cal properties of Fe-doped InP single crystals  
1-27846
- Cocke, C.L., Dubois, R., Gray, T.J., Justiniano, E.  
Capture by highly-charged low-energy ions stud-  
ied with a secondary ion recoil source  
1-38373
- Cocke, J. *see* Bahl, L.R. 1-33519
- Cockerill, D., Fabjan, C.W., Frandsen, P., Hall-  
gren, A., Heck, B., Hille, H.J., Hogue, R., Jef-  
freys, P., Jensen, H.B., Killian, T., Kreisler, M.,  
Lindsay, J., Ludlam, T., Lissauer, D.,  
Molzon, W., Nielsen, B.S., Oren, Y., Quera, P.,  
Rosselet, L., Rosso, E., Rudge, A., Scire, M.,  
Wang, D.W., Wang, Ch.J., Willis, W.J.,  
Botner, O., Boggid, H., Dahl-Jensen, E.,  
Dahl-Jensen, I., Dam, P., Damgaard, G., Han-  
sen, K.H., Hooper, J., Moller, R., Nielsen, S.O.,  
Schistad, B., Akesson, T., Almeheid, S., von  
Dardel, G., Henning, S., Jarlskog, G.,  
Lorstad, B., Melin, A., Mjornmark, U., Nils-  
son, A., Albrow, M.G., McCubbin, N.A.,  
Evans, W.M. Performance of the AFS-vertex  
detector at the CERN ISR 1-43233
- Cockerill, J. *see* Albert, P.A. 1-39813
- Cockrill, J.R. *see* Pengelly, R.S. 1-45691
- Cockrill, J.R. *see* Vanner, K.C. 1-51028
- Cocks, H. MOSFET band III preamplifier  
1-29878
- Cocks, H. TV sound tuner kit 1-47784
- Cockshott, R. *see* Siegmund, O. 1-34438
- Cocos, M. *see* Tartakovsky, M.B. 1-52783
- Codino, A. *see* Baldini-celio, R. 1-27355
- Codon, F. *see* Aubourg, M. 1-47002
- Cody, G.D. *see* Abeles, B. 1-49670
- Coe, D.J. *see* Veveris, A.J. 1-40620
- Coen, S., Mei, K.K., Angelakos, D.J. Inverse scat-  
tering technique applied to remote sensing of  
layered media 1-43459
- Coere, P. *see* Villegier, J.C. 1-33001
- Cofer, J.W., Martin, G.P., Ralph, S.E. Adaptive  
null steering by reflector antennas 1-41364
- Coffey, R.E. *see* Schoggen, W.O. 1-42225
- Coffin, J.P. Short and medium perspective for  
physics experiments at the tandem 16 MeV  
accelerator at Strasbourg 1-52623
- Coffin, L.F. *see* Hussain, M.A. 1-39688
- Cogburn, R. *see* Bourgin, R.D. 1-44836
- Cogger, N.D. Frequency response analysis  
1-39843
- Coghlan, B.A., Taylor, M.G., Gosling, R.G. Auto-  
matic test unit for alignment of directional  
Doppler velocimeters 1-34606
- Cohen, A. *see* Sklansky, J. 1-48691
- Cohen, A.C. *see* Whitten, B.J. 1-35788
- Cohen, A.I. Stepsize analysis for descent methods  
1-35836
- Cohen, A.I. *see* Ross, D.W. 1-43664
- Cohen, A.I. *see* Tennant, J.A. 1-39177
- Cohen, A.O., Hampton, M.L., Johnson, G.W.,  
Ohlms, D.E., Brown, K.R. The inphase and  
quadrature smoother—a noncausal coherent  
tracker 1-51851
- Cohen, B.A. *see* Richfield, E.K. 1-43335
- Cohen, B.L. Effects of ICRP publication 30, the  
1980 BEIR report, and ORIGIN-2 on hazard  
assessments of high-level waste 1-48766
- Cohen, C. *see* Van Vechten, J.A. 1-45909
- Cohen, D. *see* Golja, B. 1-27786
- Cohen, D. *see* Pierson, E.S. 1-31471
- Cohen, D. *see* Postel, J.B. 1-51955
- Cohen, D. *see* Shoch, J.F. 1-51957
- Cohen, D.J., Rush, C.M. Spectrum management of  
the HF broadcasting service after WARC-79  
1-52197
- Cohen, E. A spline approach to speech  
analysis/synthesis 1-41553
- Cohen, E.D., Macpherson, A.C., Christou, A.  
Reliability of power GaAs FETs—Au gates and  
Al-Au linked gates 1-36624
- Cohen, G., Deza, M., Frankl, P. Some generaliza-  
tions of perfect codes 1-33563
- Cohen, J.D., Lang, D.V., Harbison, J.P. Detailed  
calculation of the density of gap states obtained  
by DLTS measurements of doped a-Si:H  
Schottky barrier diodes 1-46093
- Cohen, J.M. *see* Pechenick, K.R. 1-51610
- Cohen, K., Garvey, M.D. Data-encryption 'box'  
secures comm systems easily 1-37781
- Cohen, K.J. *see* Blakley, D.L. 1-31944
- Cohen, L.D. *see* Meier, P.J. 1-47735
- Cohen, L.G. Testing today the fibers of tomorrow  
1-28438
- Cohen, L.G., Jang, S.J. Interrelationship between  
water absorption loss and dispersion in multi-  
mode fiber 1-36861
- Cohen, L.G., Lumish, S. Effects of water absorp-  
tion peaks on transmission characteristics of  
LED-based lightwave systems operating near  
1.3- $\mu$ m wavelength 1-37934
- Cohen, L.G., Lumish, S. Effects of water absorp-  
tion peaks on transmission characteristics of  
LED-based lightwave systems operating near 1.3  
 $\mu$ m wavelength 1-42236
- Cohen, L.G., Sei-Joo Jang An interrelationship  
between loss and dispersion in multimode fibers  
1-28498
- Cohen, M.I. Progress in multimode and single-  
mode lightguides prepared by the MCVF  
process 1-46546
- Cohen, M.J., Cape, J.A., Paul, M.D., Miller, D.L.,  
Harris, J.S., Jr. Solar cell characterization at  
Rockwell International 1-35383
- Cohen, M.S. *see* Sanders, I.L. 1-46444
- Cohen, P.S. *see* Bahl, L.R. 1-29128, 1-41602,  
1-41607
- Cohen, R., Connell, J.B. Subscriber billing system  
1-37803
- Cohn, C. How to get better audio quality from an  
FM rig 1-52067
- Cohn, D.B. CO<sub>2</sub> laser excited by a long pulse  
capacitively coupled discharge 1-33178
- Cohn, D.L., Melsa, J.L. On the information rate of  
quantized speech 1-33597
- Cohn, D.L., Melsa, J.L., Arora, A.S., Kresse, J.M.,  
Pande, A.K. Practical considerations for variable  
length source coding 1-41579
- Cohn, D.L. *see* Melsa, J.L. 1-29366
- Cohn, G. An electronic music generator 1-29922
- Cohn, G. *see* Le gong 1-47833
- Cohn, G. *see* Simpson, L. 1-42459
- Cohn, H. On a paper by Doebelin on non-  
homogeneous Markov chains 1-44837
- Cohn, M. *see* Degenford, J.E. 1-45309
- Coignet, G. *see* Arnault, C. 1-43246
- Coimbra, M.L. *see* Podcameni, A. 1-45614
- Coirault, R., Kriedte, W. Multibeam generation at  
L-band: a phased-array approach 1-34646
- Coissard, P. *see* Auvert, G. 1-32050
- Coisson, R. Energy-loss calculation of gain in a  
plane sinusoidal free-electron laser 1-51307
- Coisson, R. *see* Bossart, R. 1-48473
- Coisson, R. *see* Thompson, D.J. 1-48292
- Coker, C. Lithography and pattern scaling for  
VLSI 1-28074
- Coker, C. Mask making for custom VLSI  
1-36645
- Coker, C.W., Jr., Konnerth, K.L. EKG electrode  
artifact rejection circuit 1-30448
- Coker, C.W., Jr., Konnerth, K.L. Holter tape  
address method for start/stop scanning without  
loss of data 1-30451
- Coker, C.W., Jr. *see* Bonner, R.E. 1-30449,  
1-30450
- Colbourn, C.J. On testing isomorphism of  
permutation graphs 1-35814
- Colbourn, C.J., Booth, K.S. Linear time auto-  
morphism algorithms for trees, interval graphs,  
and planar graphs 1-35820
- Colbow, K., Harrison, D.J., Funt, B.L. Energy  
dependence of the quantum efficiency of CdSe  
photoelectrochemical cells 1-35332
- Colbow, K. *see* El Guibaly, F. 1-46029
- Colby, R.J. *see* Campanella, S.J. 1-47636
- Colby, R.J. *see* Forcina, G. 1-47641
- Coldren, L.A., Miller, B.I., Iga, K.,  
Rentschler, J.A. Monolithic two-section GaIn-  
AsP/InP active-optical-resonator devices  
formed by reactive ion etching 1-28741
- Coldren, L.A. *see* Bosch, M.A. 1-32755
- Coldren, L.A. *see* Furuya, K. 1-51215
- Coldren, L.A. *see* Rosenberg, R.L. 1-36762
- Cole, A. *see* Bahl, L.R. 1-41602, 1-41607
- Cole, A.G. *see* Nadas, A. 1-41603
- Cole, A.S. *see* Bauman, A.H. 1-36391
- Cole, B.C. The future of data communications  
1-47388
- Cole, B.C. Local packet networking 1-47389
- Cole, H.A. Measuring bridges and multimeters  
employing new technology 1-34308
- Cole, H.A. Connectors: a range of devices to meet  
many applications 1-36392
- Cole, H.A. Advances in bridges and multimeters  
1-42637
- Cole, H.A. Electronics improves contactless  
measurement 1-42744
- Cole, H.S., Jr. *see* Aftergut, S. 1-33090
- Cole, J.H., Lagakos, N., Jarzynski, J.,  
Bucaro, J.A. Magneto-optic coupling coefficient  
for fiber interferometric sensors 1-36985
- Cole, J.H. *see* Lagakos, N. 1-51189
- Cole, R.C. A gated resonant inverter power proces-  
sor for pulsed loads 1-53557
- Cole, R.E. *see* Pepper, R.L. 1-52238
- Cole, R.S. *see* Jayasuriya, D.A.R. 1-46933
- Cole, R.S. *see* Medeiros Filho, F.C. 1-37304
- Cole, R.S. *see* Mousley, T.J. 1-34379
- Cole, T., McCombe, B.D., Quinn, J.J., Kalia, R.K.  
Evidence for a valley-occupancy transition in Si  
inversion layers at low electron densities  
1-32713
- Cole, T. *see* Batchelder, J.S. 1-35382
- Cole, T. *see* Lakhani, A.J. 1-46172
- Cole, T.R. *see* Liska, D.J. 1-43078
- Cole, T.W. Images in radioastronomy 1-52179
- Cole, T.W. *see* Stewart, R.T. 1-37987
- Coleman, D.J., Magarinos, J. Controlled shifting of  
the spectral response of reflection holograms  
1-51530
- Coleman, E. Questions and answers from the IEE  
Wiring Regs seminars 1-49061
- Coleman, J. *see* Han, M.K. 1-49686
- Coleman, J. *see* Han, M.-K. 1-49682
- Coleman, J.D. *see* Bolton, M.P. 1-52780
- Coleman, J.J., Dapkus, P.D., Holonyak, N., Jr.,  
Laidig, W.D. Device-quality epitaxial AlAs by  
metalorganic-chemical vapor deposition  
1-39764
- Coleman, J.J., Dapkus, P.D., Yang, J.J.J. Single-  
interface enhanced mobility structures by metal-  
organic chemical vapour deposition 1-50813
- Coleman, J.J. *see* Anderson, E.R. 1-33221
- Coleman, J.J. *see* Dapkus, P.D. 1-33219
- Coleman, J.J. *see* Holonyak, N., Jr. 1-51438
- Coleman, J.J. *see* Laidig, W.D. 1-46753

Coleman, J.J. *see* Vojak, B.A. 1-37140, 1-37143  
Coleman, J.J. *see* Zehr, S.W. 1-35386  
Coleman, M.D. *see* Bates, R.N. 1-32402  
Coleman, M.V., Winstner, A.E. Silver migration in thick film conductors and chip attachment resins 1-27723  
Coleman, W.E., Hall, S.W. Device characteristics of the plasma charge transfer shift display 1-42688  
Coles, B.S. Management education for engineers 1-49900  
Coles, J.R., Cornell, F.N. An integrator for electrophoresis 1-45559  
Coles, P. Servicing the ASA 6000 series 1-47785  
Colgan, E.G. *see* Maenpaa, M. 1-50895  
Colin, J.M. Advanced techniques for battlefield surveillance radars 1-52139  
Collesidis, R.A., Dutton, T.A., Fisher, J.R., Metcalf, W.T. Control of multiprocessor SPS-1000 configurations using principles of data-flow architecture 1-41750  
Collett, P. What businessmen expect of the Norwegian telecommunications service in the 1980s 1-33738  
Colley, S.R. *see* Budde, D.L. 1-32313  
Colley, S.R. *see* Richardson, W.S. 1-32314  
Collick, B. *see* Jonckheere, A. 1-30300  
Collier, R.J. A millimetre wave six-port reflectometer using image guide 1-42736  
Collins, A.R. *see* McKenzie, D.R. 1-50321  
Collins, B.S. MF antennas for the eighties 1-29862  
Collins, B.S. MF antenna options. I 1-41353  
Collins, C.B. *see* Musa, G. 1-28645  
Collins, C.J. LF analogue monitor 1-34353  
Collins, C.J. *see* Thomae, I.H. 1-34788, 1-43535  
Collins, G. *see* Williams, J.A. 1-28863  
Collins, G.A. *see* Cross, R.C. 1-32142  
Collins, G.J. *see* Solanki, R. 1-32077  
Collins, J. *see* Brown, I.D. 1-47450  
Collins, J.H., Grant, P.M. A review of current and future components for electronic warfare receivers 1-37967  
Collins, J.H., Grant, P.M. Current and future sub-system modules for intercept receivers 1-47729  
Collins, J.H. *see* Owens, J.M. 1-36829  
Collins, J.V. *see* Stevenson, A.G. 1-37104  
Collins, M. *see* Brummer, P. 1-48321  
Collins, P. *see* Clark, J. 1-41574  
Collins, P.E. *see* Walters, R.E. 1-29541  
Collins, P.Q., Tomkins, R. Economics of satellite solar power system operation 1-49367  
Collins, P.V. Feature extraction for automatic speech recognition 1-29141  
Collins, P.V. *see* Belin, M.J. 1-42170  
Collins, R.A., Sanamrad, M., Dearnaley, G. Ion implanted species dependence in silicon oxidation 1-46075  
Collins, R.W. *see* Modell, G. 1-45896  
Collins, S. *see* Arzbacher, R. 1-52792  
Collins, S.A., Jr., Fatehi, M.T., Wasmundt, K.C. Optical logic gates using a Hughes liquid crystal light valve 1-28541  
Collins, S.A., Jr. *see* Fatehi, M.T. 1-36981, 1-41814  
Collins, S.A., Jr. *see* Yen, C.Y. 1-28540  
Collins, T., Holmes, R., Tao, L.J. Switch design for bidirectional propagating bubble device 1-28269  
Collins, T.W., Tao, L.J. Bubble propagator for high density circuits 1-40834  
Collins, W. Checking error rates 1-42511  
Collins, W. British machine speaks for the dumb 1-52807  
Colliot-Thelene, J.-L., Ischebeck, F. Rational equivalence on 0-cycles of real algebraic varieties 1-44912  
Collocott, S.J. A device for the remote sensing of the temperature of high-voltage transmission conductors 1-34896  
Collocott, S.J. A novel method for deriving the reference signal in electric field mills 1-48053  
Colombier, C. SAGEM diagnostic equipment 1-47874  
Colombo, G. *see* Butto, M. 1-47414  
Colonnese, G., Castagnolo, B. Self-adaptive tuning detection of aperiodic signals from aperiodic noise 1-37565  
Colot, Y. *see* Barret, P. 1-49412  
Colquhoun, J. *see* Gray, J.L. 1-49242  
Cols, P. Why have nuclear energy in Europe and particularly in Belgium? 1-30884  
Colsher, J.G., Muchlechner, G. Effects of wobbling motion on image quality in positron tomography 1-34576  
Colson, W.B. The nonlinear wave equation for higher harmonics in free-electron lasers 1-51309  
Colteanu, M. *see* Iordache, M. 1-36059  
Colton, D. The inverse electromagnetic scattering problem for a perfectly conducting cylinder 1-37294  
Colton, E. Problems in the focusing of intense heavy ion beams 1-51568  
Colton, E.P. Modular transport design for FNAL antiproton source to precoolers 1-43090  
Colton, E.P. *see* Mazarakis, M.G. 1-43094  
Colton, E.P. *see* Sacks, R.A. 1-42988  
Colton, E.P. *see* Schultz, P.F. 1-43181  
Colton, J.R. A new system handles cross-connections. I. [digital communications] 1-29549  
Colvin, R.D. Correlators and convolvers used in spread spectrum systems 1-27483  
Colvin, R.D. Spread-spectrum devices cater to new systems 1-32322  
Comanescu, V. Contributions to the development of industrial ratemeter radiogauges 1-43253  
Comas, J. *see* Myers, D.R. 1-45903  
Comber, M.G., Carberry, R.E., Davey, J.H., DuBois, T.J., Heroux, P., Keast, D.N., Popeck, R.A. Measurement of audible noise from transmission lines 1-38783  
Comber, M.G., Lloyd, K.J., Nigbor, R.J. Three-phase UHV AC transmission research 1977-1979 1-53061  
Comber, M.G., Nigbor, R.J. Performance of contaminated insulators tested from 200 kV to 1000 kV DC 1-34916  
Comber, P.G. *see* Le Comber, P.G.  
Combs, R.J., Field, P.E. PADDLES: interfacing with modular breadboards 1-29421  
Combs, S.G. *see* Cassidy, B.M. 1-45384  
Comerford, L.D., Lynch, R.T., Jr. Grating coupling of light generated by forced nonlinear optical processes 1-46786  
Comerford, M.F. Removing solder bridges from printed circuit boards 1-36406  
Comerford, P.J. Bradford musical instrument simulator 1-42469  
Cometta, E. Semiconductors—an attractive market, but 1-26833  
Comizzoli, R.B. *see* Schnable, G.L. 1-32882  
Comizzoli, R.B. *see* White, L.K. 1-40646  
Comley, R.A., Brignell, J.E. Real-time detection of the epileptic precursor 1-48717  
Comly, J.C., Jr., Leland, W.T., Elliott, C.J., Hunter, A.M., II, Kircher, M.J. Discharge and kinetics modeling in electron-beam controlled CO<sub>2</sub> laser amplifiers 1-51349  
Commander Hughes, B. *see* Wing Commander Hughes, B.  
Compard, D.G. ATHENA: a policy aiming at giving an economic value to spatial technological fall-out 1-48768  
Compas, M. *see* Boidin, M. 1-35524  
Compton, R.T. The effect of integrator pole position on the performance of an adaptive array 1-47065  
Compton, R.T., Jr. The effect of differential time delays in the LMS feedback loop 1-33390  
Conan, J. A Berlekamp-Massey type procedure for the solution of the Pade approximation problem for scalar rational sequences 1-33567  
Concannon, A. Power transistors now an alternative to thyristors 1-40548  
Concordia, C. Interconnections 1-48964  
Conde, P.M.G. *see* Alique, F.J.L. 1-30031  
Conduit, A.J., Payne, D.N., Hartog, A.H. Fiber diameter variations and their effect on backscatter loss measurements 1-36926  
Conduit, A.J., Payne, D.N., Hartog, A.H., Gold, M.P. Optical fibre diameter variations and their effect on backscatter loss measurements 1-33030  
Conduit, A.J. *see* Hartog, A.H. 1-40903  
Cone, G.F., Cristescu, C.P., Popescu, I.M., Preda, A.M. Magnetic field rotation of the polarization plane of the radiation emitted by a He-Cd hollow cathode laser 1-28644  
Conetti, S., Edwards, K.W., Hemingway, R.J., Johnson, D.E., McKeown, J., Mills, F., Norum, B., Schriber, S., Servranckx, R., Skuja, A. CHEER (Canadian High Energy Electron Ring) 1-42877  
Cong, H. *see* Van Cong, H.  
Cong Hoan Nguyen *see* Hoan Nguyen Cong  
Cong Huynh van *see* Huynh van Cong  
Cong Nghe Truong *see* Truong Cong Nghe  
Congeduti, F., Fiocco, G., Adriani, A., Guarrella, C. Vertical wind velocity measurements by a Doppler lidar and comparisons with a Doppler sodar 1-43436  
Conlon, E.J. *see* Prabhu, A.N. 1-45817  
Conn, D.R., Naguib, H.M., Anderson, C.M. Mid-film for microwave integrated circuits 1-45700  
Conn, R.W. *see* Baker, C.C. 1-35016  
Connell, C. *see* Calhoun, M. 1-42224  
Connell, E. Establishing a telephone conferencing system—the dynamics of doing it 1-29361  
Connell, J.B. *see* Cohen, R. 1-37803  
Connell, J.M. Forecasting a new generation of electronic components [VLSI components] 1-28076  
Connolly, J.A., Martin, D. Dual tones advance slides automatically 1-39966  
Conner, F. Thin film head increases micro-Winchester capacity 1-36816  
Connors, R.W. *see* Harlow, C.A. 1-43462  
Connolly, J.C. *see* Botez, D. 1-37100, 1-37155, 1-51435  
Connor, F.R. New commutated Doppler radar system 1-47718  
Connor, P. Accuracy is the key to modern flexural element load cells 1-34272  
Connors, S. Safe input-potential isolation with reed relays for data-acquisition systems 1-52410  
Conover, J. Introduction to digital filtering 1-27528  
Conover, J. Introduction into the sampling filter technique 1-50532  
Conrad, B. *see* Glasow, P.A. 1-34453  
Conrad, H. *see* Fischer, F. 1-28006, 1-32811, 1-32812, 1-46123  
Conrad, M. *see* Hughes, J. 1-28055  
Conradi, J., Maciejko, R. Digital optical receiver sensitivity degradation caused by crosstalk in bidirectional fiber optic systems 1-42237  
Conradi, J., Straus, J. Wavelength division multiplexing components and fiber systems 1-37937  
Conrado, L.F. *see* Podcameni, A. 1-40252  
Conrado, L.F.M. *see* Podcameni, A. 1-50614  
Conrow, E.H., Ratkovic, J.A. Almost everything one needs to know about image matching systems 1-48784  
Conroy, A.P. *see* Boundy, A.W. 1-49930  
Conroy, J. *see* Gottlieb, M. 1-28544  
Constant, E. Modelling of sub-micron devices 1-36581  
Constant, E. *see* Cappy, A. 1-50954  
Constant, E. *see* Carnez, B. 1-36617, 1-40585  
Constant, T. *see* Smith, H. 1-43386  
Constantin, I., Dragulescu, M., Ivanciovici, M. Linear FSK transmission model 1-37404  
Constantin, I. *see* Cartianu, G. 1-37523  
Constantinesco, A., Schwerdt, H. Photoconductor micrometer using a row of linear image sensor elements 1-34605  
Constantinescu, F. *see* Hantila, F. 1-28865  
Constantinescu, I. Temperature measurement by means of a compact, multi-functional microprocessor-controlled system 1-52342  
Constantinescu, J. *see* Balan, G. 1-30718  
Constantinescu, J. *see* Dimo, P. 1-30600  
Constantinescu, L., Tomescu, F.M.G. Estimation and optimization of the electric power performance of an electric system 1-30586  
Constantinides, A.G. Non-uniqueness of wave digital filters 1-45556  
Constaninescu, N. Floating mass voltage supply. Constant voltage and current supply 1-50406  
Consterdine, J.P. Easing the way for temporary site supplies 1-30668  
Conte, C. *see* Corsi, N. 1-51983  
Conte, G., del Corso, D., Giordana, M., Gregoret, F., Pozzolo, V. A microprocessor integrated laboratory 1-35578  
Conti, D.K. *see* Tseng, D.Y. 1-48811  
Conti, M., Ferrari, P., Modelli, A. Recombination properties of a diffused pn junction determined by spectral response measurements 1-45991  
Conti, R., Toth, J., Dowling, T., Weiss, J. The wire grid microstrip antenna 1-29010  
Contin, A. *see* Basile, M. 1-43250, 1-43251  
Contolatis, A. *see* Jamison, S. 1-45682  
Contoyannis, P.J. *see* Alexopoulos, N.G. 1-51717  
Conway, J.H., Sloane, N.J.A. Voronoi regions of lattices, 2nd moments of polytopes and quantization 1-33561  
Cook, C.E. Relay-augmented data links in an interference environment 1-29633  
Cook, C.E. Anti-intercept margins of relay-augmented data links 1-47428  
Cook, E. *see* Reginato, L.L. 1-43061  
Cook, E.G. *see* Fessenden, T.J. 1-48557  
Cook, F. *see* Murphy, R.E. 1-42554  
Cook, F.J., Craig, J.N. Adaptive learning networks and image processing for missile guidance 1-48817  
Cook, F.J., Luther, H.M. Fiber-optic coupled solid-state focal plane mosaic 1-47982  
Cook, F.J. *see* Craig, J.N. 1-48818  
Cook, J.S. Bell System lightwave links 1-37919  
Cook, L.G. *see* Avazian, J.F. 1-49999  
Cook, L.W. *see* Tashima, M.M. 1-39797, 1-45921  
Cook, P.N. *see* Dwyer, S.J., III 1-43320  
Cook, R. *see* Herbelin, J.M. 1-28637  
Cook, R.K., Frey, J. Diffusion effects and 'ballistic transport' 1-45977  
Cook, S.A.G. Hellschreiber—what it is and how it works 1-41913  
Cook, W.H. Application of shunt capacitors to electric distribution systems 1-49099  
Cooke, C.C. Performance sensitivity of the Kalman filter to choice of state and observation vectors 1-47711  
Cooke, C.M. *see* Boggs, S.A. (editor) 1-26775  
Cooke, G.M. *see* Gels, R.G. 1-36714  
Cooke, J.A. *see* Kelly, F. 1-39200  
Cooke, L. *see* Young, M.H. 1-46263  
Cooke, R.K. Satisfying the customer whilst staying in business 1-35600  
Cooke, W.E. *see* Freeman, R.R. 1-46798  
Cookson, A.H. Review of high-voltage gas breakdown and insulators in compressed gas 1-32530  
Cool, T.A. Chemically pumped lasers 1-41061  
Cooley, C.H. *see* Stottlemire, J.A. 1-31490  
Cooley, D.W. *see* Griffiths, L.J. 1-37635  
Cooley, J.W., Winograd, S. On the use of filter design programs for generating spectral windows 1-41741  
Coomber, D.B. *see* McKenzie, P.F. 1-29206

- Coombs, M. *see* Greven, M. 1-31056  
 Coombs, V.D., Hall, D.J. Wire bond rework tool 1-44675  
 Coombs, V.D., Healy, H.J. Bonding tip temperature control 1-40295  
 Coonrod, J. *see* Brindle, J. 1-30208  
 Coons, R.W. *see* White, L.D. 1-42677  
 Cooper, C.A. Towards a plan for the Integrated Services Digital Network 1-29314  
 Cooper, C.B. *see* Dietze, W.T. 1-50775  
 Cooper, C.Burleigh, III *see* Burleigh Cooper, C., III  
 Cooper, C.S. *see* Kerr, J.H. 1-31746  
 Cooper, D. Cable ties and mounts 1-53120  
 Cooper, D.C. The use of multiple transmitting antennas to provide bandwidth reduction for HF pulse radars with sector coverage 1-41359  
 Cooper, D.C. *see* Theodoridis, S. 1-37530  
 Cooper, E. Used test equipment removes capital wastage 1-35592  
 Cooper, F.R. *see* Webb, R.W. 1-27590  
 Cooper, G.R. *see* Cai, K.V. 1-33434  
 Cooper, G.R. *see* Matsumoto, M. 1-28946  
 Cooper, J.A., Jr., Nelson, D.F. Measurements of the high-field drift velocity of electrons in inversion layers on silicon 1-45901  
 Cooper, J.B., Edmonson, J.H., Joseph, D.M., Newbower, R.S. Piezoelectric sorption anesthetic sensor 1-38476  
 Cooper, J.F., Homsy, R.V., Landrum, J.H. The aluminum-air battery for electric vehicle propulsion 1-31419  
 Cooper, L., Katz, I.N. The Weber problem revisited 1-39694  
 Cooper, L.H., Grant, J.K. Applications of the electrical transformer 1-49533  
 Cooper, M.D. *see* Baer, H.W. 1-34516  
 Cooper, M.W. A survey of methods for pure non-linear integer programming 1-50234  
 Cooper, R. Parallel-tracking pick-up arm modifications and improvements 1-42490  
 Cooper, R., Varlow, B.R., Edwards, D.R., MacAllister, P.B., Carter, T.J. Effect of morphology on some electrical properties of PE film 1-28187  
 Cooper, R. *see* Auckland, D.W. 1-28155  
 Cooper, R.B., Advani, G.N., Jordan, A.G. Gas sensing mechanisms in SnO<sub>2</sub> thin films 1-42604  
 Cooper, R.B. *see* Bertsche, W.R. 1-37982  
 Cooper, R.E., Jenkins, R.F.E. A novel thick film microwave package 1-27731  
 Cooper, R.G. The components of risk in new product development: Project NewProd 1-39334  
 Cooper, R.G. An empirically derived new product project selection model 1-44642  
 Cooper, R.K. *see* Lawrence, G.P. 1-42870  
 Cooper, T. Primenet on trial 1-37738  
 Cooperman, G. A new current-voltage relation for duct precipitators valid for low and high current densities 1-41194  
 Cooperman, M., Zahora, R.W. Charge redistribution codec 1-42021  
 Coops, W.J. FMIT prototype linac tank 1-48366  
 Cooten, P. *van* *see* van Cooten, P.  
 Cope, A.D. *see* Jastrzebski, L. 1-38133  
 Copeland, J.A., Campbell, J.C., Dentai, A.G., Miller, S.E. Wavelength-multiplexed AND gate: a building block for monolithically optically coupled circuits 1-51264  
 Copeland, M.A. *see* van Gelder, I.A. 1-50529  
 Copeman, A.K. *see* Brown, I.D. 1-47450  
 Copland, W.A. *see* Wild, S.R. 1-34568  
 Coppenrath, L.F., McManus, P.E. VAX-11/750 package design: from cabinet to chips 1-44700  
 Copperi, M. Non-redundant codes for transmitting quantized signals under channel error conditions 1-33541  
 Copperi, M., Dal Degan, N., De Marca, J.R.B. An adaptive delta modulator with noise spectral shaping 1-41581  
 Copperi, M., Nebbia, L., Billi, R., Ponte, G. A new approach for a microprogrammed echo canceller [satellite communications] 1-47630  
 Coppersmith, D. *see* Bongiovanni, G. 1-37669  
 Coppola, J. Anti-rotation standoffs offer reliable data terminal assembly 1-27708  
 Copps, E.M., Geier, G.J., Fidler, W.C., Grundy, P.A. Optimal processing of GPS signals 1-52168  
 Corazza, G., Crippa, G., Immovilli, G. Performance analysis of quaternary CP-FSK systems with modulation pulse shaping and limiter-discriminator detection 1-29622  
 Corazza, G. *see* Chiarini, F. 1-52167  
 Corazzari, T. *see* Casalini, G. 1-45962  
 Corbella, J. *see* Bertran, M. 1-52986  
 Corbett, A.E., Roerig, C.S. Selecting permanent magnet materials for disc-armature DC motors 1-49481  
 Corbett, J.M., Challener, P. Crosstalk interference associated with 1 MHz video transmission in the local network 1-41261  
 Corbett, J.W. *see* Jaworowski, A.E. 1-45902  
 Corbin, J.C., Jr. *see* Blake, C.L. 1-33369  
 Corbin, L.V. Custom VLSI electrical rule checking in an intelligent terminal 1-46257  
 Corbyn, T. *see* McKee, P. 1-29902  
 Corciovei, A. *see* Mantea, C. 1-33392  
 Corcodel, C. *see* Niculescu, N. 1-49251  
 Corcoran, J.C.W. *see* Morrison, R.E. 1-34838  
 Corcoran, V.J. Electronically scanned phased arrays for near millimeter wave imaging in a dynamic tactical environment 1-47067  
 Cordaro, J.T., Davis, W.A. Time-domain techniques in the singularity expansion method 1-41212  
 Cordaro, W. *see* Baran, A.S. 1-28111  
 Corday, E. *see* Garcia, E. 1-52771  
 Cordella, L.P., Di Paolo, A. Contour filling for region extraction 1-47219  
 Cordero Martin, J.A. A study of the behaviour of a fluorescent lamp in a lamp starting and control circuit based on a transformer with a leakage flux 1-49784  
 Cordes, V., Maass, K.P. Photovoltaic power supplies for telecommunication systems in remote areas 1-42167  
 Cordier, A. *see* Behrend, H.-J. 1-43229  
 Coren, R.L. Radio interference with the operation of static utility protective relays 1-30811  
 Coren, R.L. Radio interference with the operation of static utility protective relays 1-38818  
 Coret, A. *see* Haydar, A. 1-37004  
 Corey, H.S. Laser surface finish gauge 1-30263  
 Corey, L.E., Joy, E.B. On computation of electromagnetic fields on planar surfaces from fields specified on nearby surfaces 1-37247  
 Corfield, J.R., Wells, C.P., Hall, F.M., Vernon, P., Croft, D.N. A communication system for the transmission of nuclear medicine images over standard telephone lines 1-43298  
 Corfield, P. The missing link [DataRing computer network] 1-33820  
 Corgnier, L. Introduction to synthetic holography 1-28794  
 Corici, S. *see* Iordanescu, S. 1-45644  
 Corkum, P.B. *see* Cassard, P. 1-33196  
 Corkum, P.B. *see* Taylor, R.S. 1-51391  
 Corl, D. *see* Kino, G.S. 1-38611  
 Corlett, D. A supergroup codec 1-42041  
 Corley, H.W. A fixed point interpretation of Pareto optimization 1-39617  
 Cornacchia, M., Humphrey, J.W., Niederer, J., Poole, J.H. The ISABELLE accelerator software, control system, and beam diagnostic philosophy 1-42938  
 Cornacchia, M., Parzen, G. Effect of a spectrometer magnet on the beam-beam interaction 1-43021  
 Cornacchia, M., Wang, J.M. Theoretical treatment of transverse feedback systems with memory 1-42805  
 Cornacchia, M. *see* Puglisi, M. 1-43055  
 Cornbleet, S., Rinous, P.J. Generalised formulas for equivalent geodesic and nonuniform refractive lenses 1-28517  
 Cornelis, K. *see* Verplancke, J. 1-48546  
 Cornell, C.A. *see* Fardis, M.N. 1-39445  
 Cornell, F.N. *see* Coles, J.R. 1-45559  
 Cornell, R.G., Stelte, D.J. A signaling protocol for digital subscriber lines 1-29364  
 Cornet, F.H. Analysis of hydraulic fracture propagation—a field experimentation 1-53294  
 Cornet, G. *see* Chandezon, J. 1-51640  
 Cornette, W.M. Test facility for the measurement of infrared radiation from jet engine exhaust systems 1-48785  
 Cornford, N.J. Musical phone 'Bell' 1-47442  
 Cornish, C.R. *see* Schroeder, K.R. 1-38583  
 Cornish, D.N. *see* Zbarnik, J.P. 1-28373  
 Cornish, W.H. Trees as commutative BCK-algebras 1-31961  
 Cornog, D.G. *see* Thornton, J.A. 1-45117  
 Cornu, J. Large scale integration techniques for telecommunication 1-50960  
 Cornuejols, G. Degree sequences of random graphs 1-44899  
 Cornwall, M.C., Thomas, M.V. Glass microelectrode tip capacitance: its measurement and a method for its reduction 1-34257  
 Cornwall, L.B. Electric power regulating transformer 1-49575  
 Cornwall, T.J., Wilkinson, P.N. A new method for making maps with unstable radio interferometers 1-52180  
 Corotis, R.B. *see* Chou, K.C. 1-38936  
 Corp, D. *see* Hornstra, F. 1-31438  
 Corradi, F. High precision differential temperature measuring systems 1-48157  
 Corradi, G. *see* Janszky, J. 1-51502  
 Correia, J.A., Ackerman, R.H., Buonanno, F., Kaufman, D., Skiver, J., Alpert, N., Taveras, J., Entine, G. A portable device for the measurement of regional cerebral blood flow in the ICU and OR using Cd Te detectors and a fourier transform based data analysis 1-34573  
 Correll, D.L. *see* Molvik, A.W. 1-48453  
 Correll, J. *see* Cho, Z.H. 1-34577  
 Corraes, F.S. *see* Pinto, J.K.C. 1-47656  
 Correze, J.L. *see* Meric, P. 1-30417  
 Corrick, G.E., Kulwicksi, P.V. A methodology for missile launch envelope display evaluation 1-52856  
 Corsaro, V.A. Spring-loaded rigid finger for mass soldering machine 1-50684  
 Corsepici, H.-W. Ultrasonic testing of austenitic welded joints 1-34732  
 Corsi, N. Evolution of packet switched network architectures 1-47413  
 Corsi, N., Conte, C., Musumeci, L., Parodi, R. Virtual circuit handling in packet switched networks 1-51983  
 Corsi, N., Corte, C., Musumeci, L. Basic system choices for data traffic handling in packet switching equipment 1-51984  
 Corsi, N., Parodi, R. A hierarchical architecture for packet networks management and control 1-47416  
 Corsi, N. *see* Accarino, N. 1-47431  
 Corsi, N. *see* Bonaventura, V. 1-47452  
 Corsi, N. *see* Burgassi, M. 1-47417  
 Corso, D. *del* *see* Del Corso, D.  
 Corso, D. *del* *see* Del Corso, D.  
 Corsover, S., Dobbins, L. A high-resolution in-line rapid wet-processed laser recorder 1-42544  
 Corsten, C.J.A., Hagedoorn, H.L. Uncoupled and coupled orbit motion in a storage ring 1-43042  
 Corte, C. *see* Burgassi, M. 1-47417  
 Corte, C. *see* Corsi, N. 1-51984  
 Corte, F. *De* *see* De Corte, F.  
 Cortelazzo, G., Lightner, M.R., Jenkins, W.K. Frequency domain design of multiband finite impulse response digital filters based on the minimax criterion 1-50570  
 Cortella, J. *see* Bruno, C. 1-52663  
 Corum, J.M. Future needs for inelastic analysis in design of high-temperature nuclear plant components 1-45013  
 Corvisiero, P., Taiuti, M., Zucchiatti, A., Anghinolfi, M. The response function of large NaI detectors to high energy photons 1-48600  
 Cory, B.J., Allen, P.H.G. Practical experience for four-year degrees in electrical engineering 1-26788  
 Cory, C., Smith, D., Wuest, C., Learned, J.G., Tothill, H.A.W., Wardley, J., Wright, A.G. The IMB photomultiplier test facility for proton decay studies 1-34432  
 Cory, T.S. Medium-frequency mine-wireless system design 1-29652  
 Cosand, A.E. *see* Choma, J., Jr. 1-32198  
 Cosell, L.K. *see* Makhoul, J.I. 1-37432  
 Cosgrove, M. The LDM600 machine control systems 1-42436  
 Cosma, B.T. Theoretical model for CO<sub>2</sub> lasers with autonomous discharge impulses 1-46695  
 Cosme, G. *see* Augustin, J.E. 1-43230  
 Cospain, H. LED displays for use in daylight 1-48170  
 Cossie, A. Development of the locomotive with thyristor control at the SNCF. II 1-31539  
 Cossie, A. General design and features of the French Railway TGV trains high speed trains) 1-35450  
 Costa, B., Morra, P., Sorro, B. Power distribution of backward scattered radiation in optical fibers 1-36925  
 Costa, B. *see* Bonaventura, G. 1-29728  
 Costabile, G. *see* Kautz, R.L. 1-29960  
 Costache, G.L. *see* Sharma, A.K. 1-51648  
 Costanzo, E. *see* Barbarino, A.E. 1-50309  
 Costas, J.P. Switchable end-fire element for three-dimensional array use 1-33409  
 Costas, J.P. An antenna beam steering technique comprised of constant-phase array elements 1-37362  
 Costelli, A.F., Galetto, E., Ugolotti, F. The computerized wind tunnel system at the FIAT Research Centre 1-38553  
 Costello, D.J. *see* Drukarev, A. 1-33537  
 Costello, J.M. Nuclear waste disposal 1-30924  
 Costilhes, J.P. *see* Alard, J.P. 1-52717  
 Costin, E. Energy forecasting in Romania concerns, results 1-43603  
 Cot, N., Cover, T.M. Shannon's entropy and some distributions of binomial coefficients defined on Pascal's triangle 1-37393  
 Cota, C., Calugaru, G. On calculating the ferrofluid leakproof loading 1-28216  
 Cote, L.C. *see* Patel, A.M. 1-46247  
 Cote, R.E. *see* Resutsek, J.L. 1-45816  
 Cotillon, T., Gaillard, P., Charon, W., Aumasson, C., Huynh, H.T. Determination by Kalman filtering and Rauch smoothing of the trajectories and characteristics of aeroplane models launched for free flight 1-38551  
 Cotoir, L.J. Tuning curve of a water soluble laser dye, 490-530 nm 1-46702  
 Cotta, B. *see* Antognetti, P. 1-28003  
 Cottatellucci, O. *see* Bonaventura, G. 1-29728  
 Cotten, W., DeWitt, R., Fergusson, C., Hwang, C.J., Gibbons, G. North America's first 1.3-μm laser transmission system 1-42251  
 Cotter, D. *see* Wyatt, R. 1-41065  
 Cotter, R.J. Timing circuitry for pulsed laser desorption on a scanning mass spectrometer 1-40010  
 Cottet-Emard, F. Steiner points in hyperbolic spaces 1-44908  
 Cottin, P. *see* Aubourg, P. 1-51522  
 Cottingham, G. *see* Wandrer, P. 1-43097  
 Cottingham, J.G. *see* Weng, W.T. 1-48342  
 Cotton, J.M. Reliable telephone exchange control by small computers 1-52012  
 Cotton, R.B. *see* Burns, C.P. 1-51672

Cottrell, G.A., Holmes, A.J.T. Transport of multiple beams 1-38363

Cottrell, P.E. *see* Buturla, E.M. 1-50899

Coucoulas, A. Extrusion of fused silica cladding tubes 1-40943

Coudreuse, J.P., Hardy, D. Microelectronics in digital switching systems 1-29559

Coufal, H., Pacansky, J. Differential photoacoustic analysis of semiconductors 1-27778

Coufal, H., Pacansky, J. Detector for electron beams 1-34254

Coufal, O. Magnetic field of the helix 1-46831

Coughlin, J.F. Introduction to long focal length catadioptric systems [airborne reconnaissance] 1-48900

Coughlin, T.B. *see* Fountain, G.H. 1-34665

Coughlin, T.B. *see* Wingate, C.A., Jr. 1-34686

Coulas, M.F. *see* Chan, K.C.D. 1-42958

Coullahan, J.P., Klara, W.S., Kwap, T.W. Redundant circuit personalization at the module level 1-36419

Coulter, D. *see* Teacher, C.F. 1-41594

Coulter, T.E. *see* Booth, R.R. 1-43623

Coultes, M.E., Watson, W. Synchronous machine models by standstill frequency response tests 1-35158

Coultes, M.E., Watson, W. Synchronous machine models by standstill frequency response tests 1-38967

Coultes, M.E. *see* Dandeno, P.L. 1-35134, 1-38951

Coulthard, N. *see* Peter, J.-M. 1-44194

Coumans, X., van Pachterbeke, Y. Economics of Straflo units for run-of-river stations 1-49325

Count, B. (editor) Power from sea waves 1-44625

Coupin, Y. Electricity's role in the energy policy in France 1-53157

Courant, E.D. Beam-beam interactions for bunched and unbunched beams 1-48521

Courant, E.D. *see* Terwilliger, K.M. 1-42787

Courduvelis, C.I. *see* Sutcliffe, G.R. 1-27701

Courjon, D., Bulabois, J. Noncoherent microholography using a holographic optical element as a beamsplitter 1-37229

Courjon, D., Bulabois, J., Carter, W.H. Use of a holographic filter to modify the coherence of a light field 1-28797

Court, M. *see* Blandenet, G. 1-27153

Courthold, M.J. *see* Davies, P.G. 1-46911

Courtney, W.E. *see* Chu, A. 1-28082

Courts, A.L. *see* Hamann, J.R. 1-30807, 1-38822

Cousins, W.B. User requirements in international data networks 1-33826

Coutelier, Y., Chevalier, J.-P. Electric heating in industrial locations 1-35518

Couto, M.E. *see* Mafra, O.Y. 1-48638

Coutts, R.P., Martin, A.L. High capacity, long haul, digital radio 1-52056

Coutts, T.J., Hill, R. Resource constraints on the large scale terrestrial exploitation of solar cells 1-49707

Coutts, T.J. *see* Pearsall, N.M. 1-50329

Couturier, G.D. Sobel edge extraction circuit 1-51868

Couyras, J.P., Mosby, N.V., Rutigliano, O., Zwonik, R.S. Rework process of cured polyimide 1-50972

Cova, S., Longoni, A., Andreoni, A. Towards picosecond resolution with single-photon avalanche diodes 1-37036

Covaci, T. *see* Arie, A.A. 1-38765

Covenry, P.F. *see* Sampuran-Singh 1-37278

Cover, T. *see* Bell, R.M. 1-35729

Cover, T.M., El Gamal, A. Information flow in networks 1-29054

Cover, T.M., Leung, C.S.K. An achievable rate region for the multiple-access channel with feedback 1-41841

Cover, T.M., McEliece, R.J., Posner, E.C. Asynchronous multiple-access channel capacity 1-51873

Cover, T.M. *see* Cot, N. 1-37393

Cover, T.M. *see* El Gamal, A. 1-33421

Cover, T.M. *see* Jarett, K. 1-37381

Cover, T.M. *see* Van Campenhout, J.M. 1-51814

Coverdale, D. Progress in electronics in New Zealand 1-49980

Coverdale, P.V. Some aspects of the use of digital signal processing devices in digital network transmission planning 1-41883

Coviello, G.J., Levine, R.H. Considerations for a Defense Switched Network 1-29331

Cowan, C.D., Mahmoud, A.A., Post, R.E. A study of electric fields due to 345 kV lines and impact on farm machinery 1-53114

Cowan, C.D. *see* Plummer, S.W. 1-53083

Cowan, C.F.N., Arthur, J.W., Mavor, J., Denyer, P.B. CCD based adaptive filters: realization and analysis 1-32321

Cowan, C.F.N., Mavor, J. Analogue signal processing using charge-coupled devices 1-32888

Cowan, C.F.N., Mavor, J. New digital adaptive-filter implementation using distributed-arithmetic techniques 1-45531

Cowan, C.F.N. *see* Arthur, J.W. 1-45443

Cowan, D.O. *see* Potemher, R.S. 1-27849

Cowern, N.E.B. *see* Sofield, C.J. 1-52629

Cowey, M. *see* Green, A.A. 1-53218

Cowgill, D.F. *see* Bacon, F.M. 1-38527

Cowgill, D.F. *see* Walko, R.J. 1-48563

Cowin, G.W., Rayner, D. Survey of NIFTP implementations 1-41979

Cox, A.J. *see* Tabors, R.D. 1-53008

Cox, A.R. *see* Burkhardt, R.W. 1-45113

Cox, B.D. *see* Tuladhar, K.K. 1-46358

Cox, C.H. Residential photovoltaic systems costs 1-31464

Cox, C.H., III. Residential photovoltaic systems costs 1-44379

Cox, D. Know the drill [PCB applications] 1-45781

Cox, D.C., Arnold, H.W., Hoffman, H.H. Observations of cloud-produced amplitude scintillation on 19 and 28 GHz Earth-space paths 1-46913

Cox, D.C. *see* Arnold, H.W. 1-28923, 1-37308, 1-37309, 1-52096

Cox, D.E. *see* Wang, F.F.Y. 1-46399

Cox, D.R. Statistical analysis of time series: some recent developments 1-50174

Cox, D.S. Industrial lighting for difficult atmospheres 1-53769

Cox, G.G. Application of network theory to linear arrays: the waveguide squintless feed 1-41447

Cox, H.M., Dilorenzo, J.V. Review of techniques for epitaxial growth of high-resistivity GaAs-growth systems, problems and substrate effects 1-27134

Cox, H.M. *see* Wemple, S.H. 1-40588

Cox, I. *see* Finch, T. 1-52823

Cox, J.A. Signal-to-noise ratio dependence on frame time, time delay and integration (TDI), and pulse shaping [image sensors] 1-47987

Cox, M.G. The least squares solution of overdetermined linear equations having band or augmented band structure 1-35871

Cox, R.J. *see* Clecak, N.J. 1-46583, 1-52529

Cox, R.J. *see* Lowe, A.C. 1-52536

Cox, R.V., Crochiere, R.E. Real-time simulation of adaptive transform coding 1-33490

Cox, R.V., Malah, D. A technique for perceptually reducing periodically structured noise in speech 1-41598

Cox, R.V. *see* Malah, D. 1-33491

Cox, R.W. *see* Gibson, C.A. 1-43600

Cox, S.C. Telexmate and Officemate-communication systems for the office 1-47343

Coy, W. Testing sequential VLSI-circuits by cycle stealing 1-32290

Coyne, B. *see* Bly, R. 1-34514

Coyne, B. *see* Paulus, T.J. 1-34502

Coyne, R. *see* Buckley, R. 1-35621

Coyne, R.A., Jr. The UH/CLC Network 1-41988

Coza, G. *see* Zechnall, M. 1-39194

Cozens, J. Touch-sensitive piano keying 1-34119

Cozzika, G. *see* Aleksan, J. 1-48582

Cozzika, G. *see* Behrend, H.-J. 1-43229

Crabb, D.G. *see* Terwilliger, K.M. 1-42787

Crabtree, M. *see* Hoffman, E.J. 1-34578

Crabtree, M.C. *see* Williams, C.W. 1-38492

Craciunescu, F. *see* Moldoveanu, M. 1-52578

Cracknell, P.J., Burt, C.J. The Harwell 136 MeV electron linear accelerator 1-48422

Craddock, D. *see* Ross, I.N. 1-51414

Craddock, M.K. High intensity accelerators for kaon factories 1-48572

Craddock, M.K. *see* Baartman, R. 1-48338

Craig, A.D. *see* Scott, P.R. 1-33940

Craig, A.D. *see* Voyner, Z.F. 1-41400

Craig, D.L. Microprocessor heart rate histogram recorder for ambulatory monitoring of daily physical activity 1-34625

Craig, F. Timer with trigger action 1-32371

Craig, G. Integrated circuit line drivers and receivers 1-51985

Craig, G., Hirschmann, D. Line and receiver driver for RS-422 and RS-423. [data transmission] 1-37795

Craig, J.N., Whalen, M.F., Cook, F.J. Target recognition for missile guidance using adaptive learning networks 1-48818

Craig, J.N. *see* Cook, F.J. 1-48817

Craig, R.S. *see* Merches, M. 1-51079

Craig, T.P., Smith, L.D., Wells, T.L. Emitter detect circuit with gain compensation and hysteresis 1-37034

Craig, W.J., Towler, F.J. Testing enhancements for TDI arrays 1-46307

Craighead, H.G. *see* Beni, G. 1-51225

Cram, R. Standard codes and format for the IEEE 488 bus 1-52374

Cram, R.S. *see* Caravane, A.J. 1-52492

Cramarescu, R. *see* Moldoveanu, M. 1-52578

Cramer, A. *see* Chao, H.H. 1-28129

Cramer, B. Technological trends in facsimile equipment 1-29388

Cramer, J.G., Burch, D.F., Rodenberg, R., Cramer, P.B. Production of optically thin free-standing oil films from the edge of a rotating disc [stripper foil in accelerators] 1-48325

Cramer, P.B. *see* Cramer, J.G. 1-48325

Cramer, P.W., Jr. *see* Lee, S.W. 1-46851

Crampton, P.W. *see* Ramsdale, P.A. 1-41371

Crandall, K. *see* Boicourt, G. 1-48430

Crandall, K.R. *see* Hamm, R.W. 1-42880

Crandall, K.R. *see* Stokes, R.H. 1-42886, 1-48469

Crandall, K.R. *see* Stovall, J.E. 1-38337

Crandall, R.S. Determination of the drift mobility in high-conductivity amorphous silicon 1-40385

Crandell, M., Bernues, F.J. Oscillators lock and tune at W band [Gunn oscillators] 1-34008

Crane, G.K. Geothermal power generation-an aggressive utility program 1-43978

Crane, G.K. Geothermal power generation-an aggressive utility program 1-49320

Crane, G.R. Contact resistance on surfaces with nonuniform contaminant films 1-32458

Crane, G.R. *see* Johnson, G.E. 1-51044

Crane, R.A. *see* Newey, D.A. 1-49037

Crane, S.E. Adjustable crystal bending apparatus 1-34533

Cranford, C. Dynamic depletion circuits upgrade MOS performance 1-40697

Craubner, S. Digital simulation of reticle-systems 1-48783

Craubner, S. Contributions to analysis and simulation of reticle systems 1-52482

Craubner, S. Digital simulation of reticle systems 1-52843

Crauvels, G.L., Sze, D.T. Fiber-optic communication network interface 1-47676

Craven, B.D. Implicit function theorems and Lagrange multipliers 1-35855

Craven, R.A., Korb, H.W. Internal gettering in silicon 1-50865

Crawford, A. Combustion concentrates on coal [fluidised combustion systems] 1-30965

Crawford, A. Diesel-powered generation meets demand 1-53288

Crawford, C.J. PPM-a set maker's view 1-39422

Crawford, D. *see* Freret, P. 1-29460

Crawford, D.W. *see* Reedy, R.P. 1-38465

Crawford, G.I. *see* Todd, J.H. 1-52754

Crawford, J. *see* Bolon, C. 1-34463

Crawford, J. *see* Owen, C.W. 1-48346

Crawford, L.G. Computer program aids blending of thick film resistor compositions 1-27721

Crawford, R.J. *see* Paul, D.W. 1-30584

Crawford, R.K., Carpenter, J.M. Requirements of position-sensitive detectors for neutron scattering experiments 1-34459

Craxton, R.S. High efficiency frequency tripling schemes for high-power Nd:glass lasers 1-51516

Craxton, R.S., Jacobs, S.D., Rizzo, J.E., Boni, R. Basic properties of KDP related to the frequency conversion of 1  $\mu$ m laser radiation 1-51517

Craxton, R.S. *see* Seka, W. 1-51415

Crease, B.A. *see* Moulisley, T.J. 1-34379

Crebbin, K. *see* Avery, R. 1-42826

Crebbin, K.C. Beam energy measurements at the Bevalac 1-42943

Creegan, F.J., Jr., Gesing, E.J., Mapp, F.J. Power engineering and operational reviews 1-43589

Creek, K.O., Liska, D.J. DC power system for deuteron accelerator 1-48365

Creek, K.O. *see* Liska, D.J. 1-43078

Cregger, B.B., Mattauch, R.J. Gallium arsenide Schottky barrier doubler diodes for millimeter wavelength application 1-40236

Creighton, G.K. Modelling of 3-phase induction motor drives 1-44411

Creighton, G.K., Smith, I.R., Nisar, P.A. Performance of a synchronous machine with current-compounded excitation 1-49433

Cremer, J.T. *see* Destler, W.W. 1-48409

Cremerieux, J.-P. *see* Moro, A.-M. 1-47472

Cremonini, C. CAD systems in a main-contracting company: experience and objectives of the AMN 1-43604

Cremoux, B. *see* de Cremoux, B.

Crepel, P. *see* Benveniste, A. 1-39612

Cresap, R.I., Hauer, J.F. Emergence of anew swing mode in the western power system 1-43513

Cresap, R.L., Hauer, J.F. Emergence of a new swing mode in the western power system 1-34761

Cresap, R.L., Taylor, C.W., Kreipe, M.J. Transient stability enhancement by 120-degree phase rotation 1-38693

Cresap, R.L. *see* Hauer, J.F. 1-30700, 1-34840

Cresap, R.L. *see* Taylor, C.W. 1-43561

Cressman, P.J. *see* Holman, R.L. 1-33029, 1-36940, 1-46570

Cribbens, A.H. Radio control of block instruments on the Inverness-Wick line 1-42205

Crichton, G., Fazekas, P., Otto, J., Wolfgang, E. Inside checking of microprocessors with electron probe 1-40659

Crider, C.A., Poate, J.M., Rowe, J.E., Sheng, T.T. Platinum silicide formation under ultrahigh vacuum and controlled impurity ambients 1-45114

Cridland, J.V. *see* Howells, S. 1-51365

Cridland, R.D. How to construct a low-cost high-gain antenna 1-47068

Crignon, I., Dubuisson, B., Gourdon, J. Surveillance of a nuclear reactor by pattern recognition analysis of the neutronic power signal 1-30947

Crilly, W.J., Jr. *see* Scherer, D. 1-30142

Crimi, P. Performance assessment of a Flettner wind turbine 1-35106

- Crine, J.P. *see* Sapieha, S. 1-30757
- Crine, J.-P. The interpretation of current transients in dielectrics 1-28137
- Crippa, G. *see* Andrisano, O. 1-29621
- Crippa, G. *see* Corazza, G. 1-29622
- Criqui, M. *see* Fournie, R. 1-45725
- Criqui, M. *see* Viale, F. 1-27635
- Criscimagna, T.N., Beidl, J.R., Trushell, J.B. Write and erase waveforms for high-resolution AC plasma display panels 1-42682
- Criscimagna, T.N. *see* Beidl, J.R. 1-52527
- Criscone, L. *see* Papeschi, G. 1-30456
- Crisfield, M.A. A fast incremental/iterative solution procedure that handles 'snap-through' 1-39637
- Crisp, J.N. *see* Boehman, L.I. 1-31153
- Cristal, E.G. *see* Joly, R. 1-45666
- Cristea, P., Preda, M., Tuduge, R. Network functions properties 1-32143
- Cristea, P. *see* Preda, M. 1-36051
- Cristescu, C.P. *see* Cone, G.F. 1-28644
- Cristescu, D., Ungureanu, M., Postolache, P., Magureanu, G., Munteanu, S. Interaction of high-voltage lines with the environment. Aspects relating to the acoustic noise produced by corona discharge 1-49129
- Cristescu, P., Popescu, I.M., Preda, A.M., Cileu, M.I. Excitation of Cd II lines in a brush hollow cathode discharge 1-28621
- Cristina, S., D'Amore, M. Effect of reflection waves on polyphase non-uniform power line carrier channels: a new propagation matrix model 1-33916
- Cristina, S., D'Amore, M. Effect of reflection waves on polyphase nonuniform power line carrier channels: a new propagation matrix model 1-43722
- Cristofalo, E., Galati, G. Evaluation of an FFT-based processor for Doppler-ambiguous radar 1-47723
- Cristofor, R. Program package for three-phase asynchronous motors design by means of a high capacity electronic computer 1-49452
- Cristofori, F. *see* Caruso, E. 1-43126
- Cristoloveanu, S. Magnetic field and surface influences on double injection phenomena in semiconductors. I. The magnetodiode effect theory for the semiconductor and insulator regimes 1-32792
- Cristoloveanu, S. Magnetic field and surface influences on double injection phenomena in semiconductors. II. The magnetodiode effect theory for the diffusion regimes, magnetodiode experiments and applications 1-46099
- Cristophe, F. Transport of a phase reference by VHF propagation above vegetation covered ground 1-46923
- Cristy, M. Mathematical phantoms for evaluation of age-specific internal dose 1-48761
- Criswell, T.L. *see* Alonso, J.R. 1-48748
- Critchler, A.L. Some economic considerations [hospital lighting] 1-44475
- Critchley, A.W. Multiplex keying system for organs. II 1-29937
- Critchlow, D.L. MOSFET development in IBM-1963 to present 1-40598
- Critchlow, D.L., Ogura, S., Shepard, J.F., Tsang, P.J., Walker, W.W. Lightly doped source/drain FET structure 1-50942
- Critin, G. *see* Beer, A. 1-29996
- Crittenden, R.R., Ems, S.C., Heinz, R.M., Krider, J.C. A design for one millimeter pitch multiwire proportional chambers operating at high rates 1-48579
- Crittenden, R.R., Ems, S.C., Heinz, R.M., Krider, J.C. Design of a plastic scintillator hodoscope with one millimeter spatial resolution 1-48614
- Crivii, M. *see* Kelemen, A. 1-53500
- Crochiere, R.E., Rabiner, L.R. Interpolation and decimation of digital signals—a tutorial review 1-29175
- Crochiere, R.E., Randolph, M., Upton, J.W., Johnston, J.D. Real-time implementation of sub-band coding on a programmable integrated circuit 1-37472
- Crochiere, R.E. *see* Cox, R.V. 1-33490
- Crochiere, R.E. *see* Malah, D. 1-33491
- Crocker, A.J. Defect equilibria and non-stoichiometry in binary crystals 1-45889
- Crocker, C.M., Jr. Wide dynamic range instrument for measurement of laser spot position on stationary and moving targets 1-28755
- Crocker, D., Butcher, R.J. CO<sub>2</sub> lasers using boron nitride waveguides for high resolution spectroscopy 1-33177
- Crocker, J.G., Holland, D.F. Safety and environmental issues of fusion reactors 1-49241
- Crockett, A.E. *see* Luoni, G. 1-30751
- Croft, D.N. *see* Corfield, J.R. 1-43298
- Croitoru, N. *see* Harzion, Z. 1-35333
- Croitoru, V.G. *see* Diaconescu, E.N. 1-49375
- Crolette, A. *see* Kemple, W.G. 1-33728
- Cromar, M.W., Carelli, P. Low-noise tunnel junction DC SQUIDS 1-36845
- Cromer, F.E. An empirical study comparing several methods of handling missing data 1-44822
- Cronimund, H.F. *see* Rettich, J. 1-29991, 1-38088
- Cronin, D.R. *see* Chapman, J.E.G. 1-33070
- Cronin, M.J. The All Electric Airplane: its development and logistic support 1-52885
- Cronin, R. *see* Halbach, K. 1-48391
- Cronshaw, K. *see* Messenger, P. 1-49098
- Cronson, H.M., Susman, L. A dual six-port automatic network analyzer 1-30038
- Crook, C. Low cost local computer networks and their future 1-29425
- Crook, K. *see* Smith, H. 1-43386
- Crook, K.F. *see* Richter, B. 1-42876
- Crooks, W., Hafer, C.H., Street, R.L. Cassette containing both ribbon and print head 1-36821
- Crooks, W. *see* Acedo, H.A. 1-32736
- Cropper, D.R. *see* Thompson, R.J. 1-45844
- Cros, J.-F. Superconductors—when will there be industrial applications? 1-32988
- Crosbie, E.A. *see* Yanglai Cho 1-48381
- Crosby, D.A., MacAdam, K.B. Simple fast transient digitizer 1-27583
- Crosby, F. *see* Fugitt, J. 1-48356
- Crosby, F. *see* Kim, H. 1-48331
- Croset, M., Icote, J., Perrocheau, J. Ion implantation into GaAs 1-27934
- Crosignani, B., Di Porto, P. Soliton propagation in multimode optical fibers 1-51187
- Crosignani, B., Di Porto, P. Modal dispersion in optical fibres and the influence of mode-coupling 1-51209
- Crosnier, Y., Gerard, H., Lefebvre, M., Salmer, G. Fundamental limitations of the controlled avalanche transit time transistor (CATT) 1-40561
- Cross, A. Fault tree analysis—a management tool 1-49909
- Cross, J. *see* Jaksts, A. 1-36708
- Cross, J.A. Applications of electrostatics 1-46844
- Cross, J.A., Mumford-Van Urk, H., Singh, S. Some experiments in power charging and its significance to industrial processes 1-35983
- Cross, J.D. *see* Mazurek, B. 1-32526
- Cross, J.E. Teaching microprocessor interfacing on a low budget 1-39324
- Cross, L.E. *see* Halliay, A. 1-32891
- Cross, L.E. *see* Neurgaonkar, R.R. 1-32946
- Cross, L.E. *see* Shroud, T.R. 1-32947
- Cross, L.E. *see* Uchino, K. 1-42603
- Cross, P.S., Rissman, P., Shreve, W.R. Microwave SAW resonators fabricated with direct-writing electron-beam lithography 1-36761
- Cross, R.C., Collins, G.A. Compensated RC integrators 1-32142
- Crossland, W.A., Ayliffe, P.J. An evaluation of smectic dynamic scattering for high complexity displays with on-screen memory 1-52545
- Crossland, W.A., Ayliffe, P.J. A dyed phase change liquid crystal display over a MOSFET switching array 1-52548
- Crossley, A. The changing fortunes of potentiometers 1-32411
- Crostack, H.A. *see* Oppermann, W. 1-45137
- Crosthwait, D.L. *see* Shah, R.R. 1-46096
- Crotzer, M.E. *see* Sejvar, J. 1-53228
- Crouse, A.G. *see* Lin, A.L. 1-36456
- Crovini, L. High-temperature applications of the IMGC noise thermometer 1-34250
- Crow, J.D., Johnson, M. Liquid interface optical deflectors and optical switches 1-28546
- Crow, J.T. *see* VanDevender, J.P. 1-30308, 1-33376
- Crow, R.F. Digital phase-locked tone decoder 1-32236
- Crowder, G. *see* Chang, C.S. 1-45804
- Crowe, D.V. *see* Walker, R.S. 1-42345
- Crowell, J.M. A dual germanium detector system for the routine assay of low level transuranics in soil 1-34545
- Crowley, J.D. *see* Wolfert, P.H. 1-45694
- Crowley, J.L. *see* Jain, K. 1-51515
- Crowley, J.L., Stultz, T.J., Ichiki, S.K. Generation of field-sensitive interface states 1-46003
- Crowley, J.M. *see* Chato, J.C. 1-53101, 1-53102
- Crowne, F.J., Leavitt, R.P., Worchesky, T.L. Exactly solvable nonlinear model for a Smith-Purcell free-electron laser 1-46667
- Croy, A.Q., Jordan, J.M. Dual 34.5-kV underground feeders assure reliability 1-44291
- Crucco, G. *see* Pola, P. 1-34620
- Cruceanu, E. *see* Bao, C.C. 1-36853
- Cruceanu, E. *see* Niculescu, D. 1-40845
- Crucius, M., Reichelt, K. Surge diverters and over-voltage limiters in MV systems 1-49184
- Cruikshank, A.J.O. *see* Cullen, J.J.A. 1-53383
- Cruikshank, J. *see* Pace, P. 1-51392
- Cruz, C.H.B., Fragnito, H.L. Influence of discharge circuit and gas mixture on operation of arc preionized TEA CO<sub>2</sub> lasers 1-37075
- Cruz, C.H. Brito *see* Brito Cruz, C.H.
- Cruz, C.H. De Brito *see* De Brito Cruz, C.H.
- Cruz, F. De La *see* De La Cruz, F.
- Cruz, J.R., Simpson, R.S. Cochannel and intersymbol interference in quadrature-carrier modulation systems 1-29070
- Cruz, J. Rego *see* Rego Cruz, J.
- Cruz Castillo, F. De La *see* De La Cruz Castillo, F.
- Cruzat, H.S. Networks with dynamic characteristics. II. Qualitative behavior 1-36060
- Cryan, D. Educational broadcasting in Ireland 1-35570
- Cryan, D. Local radio in Ireland—commercial or public enterprise? 1-52214
- Csanyi-Fritz, G. *see* Bruton, L.T. 1-45525
- Csapo, G. *see* Drimer, D. 1-48918
- Csapo, G. *see* Stanomir, D. 1-40823
- Csendes, Z.J. Surge arrester voltage distribution analysis by the finite element method 1-38811
- Csendes, Z.J., Freeman, E.M., Lowther, D.A., Silvester, P.P. Interactive computer graphics in magnetic field analysis and electric machine design 1-44028
- Csendes, Z.J., Hamann, J.R. Surge arrester voltage distribution analysis by the finite element method 1-38821
- Csendes, Z.J. *see* Chari, M.V.K. 1-49413
- Cser, L., Ferenczy, F., Kroo, N., Rubin, G., Zsigmond, G., Simkin, V.G. Filtering of elastically scattered neutrons by statistical chopper at pulsed neutron sources 1-38455
- Cserhati, A.F. *see* Motamedi, M.E. 1-32956
- Csernoch, J. Diffraction of electromagnetic waves 1-46850
- Cserveny, I., Urcan, E., Blada, A., Simeanu, A. Establishing the functions and the configuration of a computer system for optimising the operation of hydro-electric power stations at the Iron Gates [on the River Danube] 1-31079
- Csillag, L. *see* Janossy, M. 1-51341
- Csiszar, L., Korner, J. On the capacity of arbitrarily varying channels for maximum probability of error 1-33458
- Csiszar, I. *see* Ahlswede, R. 1-33546, 1-51756
- Csomor, A. *see* Davis, D. 1-31493
- Csonka, P.L. Compensated linac beam colliding with a stored beam 1-48448
- Csopaki, Gy. *see* Bohus, M. 1-42507
- Csorna, S. *see* Ehrlich, R. 1-34428
- Csubak, T. *see* Fock, K. 1-42521
- Cubric, D. *see* Zegarac, S. 1-37285
- Cucchi, S., Mengoli, G. Digital multiplex for asynchronous telegraph and data signals 1-42128
- Cucci, A., de Luca, A. A planar array antenna for TV broadcasting satellite communications 1-41414
- Cuciureanu, M. *see* Felea, S. 1-30842
- Cuculo, A.M., Pace, S., Vaglio, R., Lacquaniti, V., Marullo, G. Frequency dependence of the quality factor of Nb-Bn-O<sub>y</sub>-Pb Josephson tunnel junctions 1-29961
- Cuevas, A., Luque, A., Eguren, J., Del Alamo, J. High efficiency bifacial back surface field solar cells 1-49701
- Cuevas, A. *see* Luque, A. 1-35365
- Cui Chenglie A BCCD model of one dimension and its numerical analysis 1-32815
- Cui-Ru-Yu A radial signal process method for the BPS booster LLRF control systems 1-42960
- Cui-Ru-Yu, Zhong Shi-Cai, Zhou Cui-Guang The low-level RF beam control system for the booster of the Beijing proton synchrotron (BPS) 1-42961
- Cuk, N.M. *see* Calovic, M.S. 1-38652
- Cukauskas, E.J., Nisenoff, M. Intrinsic noise characteristics of NbN SQUIDS 1-46471
- Cukauskas, E.J. *see* Steiner, R.L. 1-28341
- Cukier, M., Delaporte, F.X., Pantani, J.P. General purpose driver circuit 1-27405
- Culetto, F., Neumann, G., Reichl, A., Rieger, A., Schneeberger, M. Energy consumption and the prospects of its security in Austria for the year 200—chances and limits of oil substitution technologies 1-30859
- Culhane, L. *see* Siegmund, O. 1-34438
- Cullagh, W.J. *see* Halford, G.J. 1-41412
- Cullen, A.L., Judah, S.K., Jenkins, A. A seven-port reflectometer 1-42734
- Cullen, C.W., Locke, E.F., Price, J.C. The influence of a very large thyristor load on the engineering of an industrial distribution system 1-43673
- Cullen, D.E., Montress, G.K. Progress in the development of SAW resonator pressure transducers 1-36799
- Cullen, D.E. *see* Grudkowski, T.W. 1-36802
- Cullen, J.J.A., Cruickshank, A.J.O., Thompson, D.S. The electromagnetic self-forces of a helical stator winding surrounded by an iron environmental screen 1-53383
- Culley, B.G. *see* Penz, P.A. 1-46591
- Cullis, A.G., Hurl, T.J., Webber, H.C., Chew, N.G., Poate, J.M., Baeri, P., Foti, G. Growth interface breakdown during laser recrystallization from the melt 1-35932
- Cullis, A.G. *see* Skolnick, M.S. 1-36455
- Cullison, G. Cleaning systems for PCB fabrication 1-36405
- Cullum, C.D. *see* Bahl, L.R. 1-33519
- Cullum, W.M. Angle sensing transducers for shaft to digital conversion 1-38289
- Culshaw, B. Optical data collection techniques 1-42270
- Culshaw, B. *see* Ball, P.R. 1-28470
- Culwick, B.B. *see* Bozoki, E. 1-42918
- Cummings, J.F. *see* Smith, D.G. 1-42752
- Cummings, J.P., Weinman, L.S. Preparation and characterization of patterned chromium/copper films deposited on alumina [LSI technology] 1-46184

- Cummings, P.G., Bowers, W.D., Martiny, W.J. Induction motor efficiency test methods 1-44099
- Cummins, A.W., Heald, R.W., Jukich, A.P., Majewski, F.T. Programmable matrix fixture 1-26937
- Cummins, J.A. *see* Delisle, G.Y. 1-47011, 1-47044
- Cummins, J.A. *see* Munier, J. 1-52176
- Cummins, K. Active sound filter 1-29951
- Cummins, K. Supplementary car audio amplifier 1-45302
- Cun-kai Wu *see* Wu Cun-kai
- Cun-Xiu, G. *see* Hong-Jun, Z. 1-46588
- Cunert, K. *see* Effenberger, H. 1-30993
- Cuninghame-Green, R.A. Integer programming by long division 1-27037
- Cuninghame-Green, R.A. Piecewise-linear minimax problems 1-44972
- Cunkai Wu *see* Wu Cunkai
- Cunningham, C. *see* Messenger, P. 1-49098
- Cunningham, J.A., Mollicone, R.A. Cryogenic systems for spaceborne infrared applications 1-48795
- Cunningham, J.E. Designing wity majority-logic 1-27439
- Cunningham, J.E., Jr. *see* Bhuta, M.B. 1-27259
- Cunningham, M.J. Measurement errors and instrument inaccuracies 1-47864
- Cunningham, P. *see* Calhoun, M. 1-42224
- Cunningham, R.C. Lasers in the far infrared 1-46676
- Cunningham, R.J., Salih, A.M. The use of verification-oriented software specification in telecommunication engineering 1-42099
- Cunnington, H.J. *see* Peter, H.W. 1-26822
- Cuomo, J.J. *see* Chi, C.C. 1-28349
- Cuomo, J.J. *see* Harper, J.M.E. 1-40516
- Cuperus, J. *see* Baribaud, G. 1-42939
- Cupin, N., Juric, J. Optimization of electrical installations by reliability 1-35598
- Cure, C. *see* Benichou, J. 1-52639
- Cure, J.R. Aspects of controllers for generator supplying industrial loads 1-44054
- Cure, J.R., Sullivan, J.A. Generation and transmission of electricity from wave energy schemes 1-49335
- Curran, J.E. Production of surface patterns by chemical and plasma etching 1-27951
- Curran, T. *see* Mavor, J. 1-32345, 1-40142
- Currence, R., Reyes, W., St. Peter, E., Liao, J.H., Bolger, G. Field performance of tin coated post and spring connector system 1-32486
- Currie, B. PE Digisounder. I 1-34018
- Currie, B. PE digisounder. II 1-37973
- Currie, J.C. *see* Ball, J.M. 1-45042
- Currie, J.W. *see* Laity, W.W. 1-31127
- Currie, N.C. *see* Odom, D.L. 1-52153
- Curtain, R.F. Markov processes generated by linear stochastic evolution equations 1-50172
- Curtice, W.R., Yong-Hoon Yun A temperature model for the GaAs MESFET 1-46143
- Curtin, P.M. *see* Andros, F.E. 1-31886
- Curtis, B.J. *see* Hitchman, M.L. 1-45098
- Curtis, C. *see* Ankenbrandt, C. 1-48573
- Curtis, C. *see* Bourkland, K. 1-48374
- Curtis, C. *see* Moore, C. 1-48368
- Curtis, G.H. A diagram of the relationships among the basic quantities of electromagnetism 1-41182
- Curtis, L. *see* Kaiser, P. 1-28501
- Curtis, L. *see* Young, W.C. 1-36954, 1-46516
- Curtis, S. System A audio amplifier 1-50432
- Curtis, S.B., Schimmerling, W. The BEVALAC: a source of high energy and high LET radiation for radiobiology, radiography, radiotherapy and nuclear medicine 1-30294
- Curtis, T.H., D'Ambr, S.J., Tegethoff, R.H., Ashkenazi, L.E. Use of a digital echo canceler in the AT&T DOMSAT intertoll network 1-47626
- Curzon, F.L. *see* Friedmann, D. 1-32527
- Cusick, J.F. *see* Myklebust, J.B. 1-30395
- Cusick, J.F. *see* Sances, A., Jr. 1-39355
- Cusumano, S.J., Callender, A.B., DeHainaut, C.R. Active alignment of the feedback mirror in a half symmetrical unstable resonator with an inner axicon 1-46758
- Cutkosky, R.D. Guarding techniques for resistance thermometers 1-52443
- Cutler, B.S. *see* Rasmussen, B. 1-48682
- Cutler, J.R. *see* Sharp, W.E. 1-30547
- Cutler, R.I. *see* Penner, S. 1-38340
- Cutsem, T. *van see* Van Cutsem, T.
- Cutting, J.C. *see* Murthy, M.L.R. 1-31148
- Cuttler, J.M. *see* Allan, C.J. 1-34456
- Cuzzocoli, G. Modern electronic ignition systems 1-39195
- Cvekic, V. *see* Nikolic, P.M. 1-34299
- Cvekic, V. *see* Trbojevic, D. 1-30117
- Cverna, F.H. *see* Baer, H.W. 1-34516
- Cvetko, H. *see* Sander, B. 1-31341
- Cvijin, P.V., Konjevic, N. Molecular air pollution monitoring by pulsed CO<sub>2</sub> laser-based long-path technique 1-42340
- Cwik, T. *see* Mayes, P.E. 1-29021
- Cwiklewski, M. *see* Reilly, J.P. 1-38778, 1-43727
- Cynn, M.H. *see* Un, C.K. 1-29114
- Cyr, R.A. *St. see* St. Cyr, R.A.
- Cyrulewski, J.D. *see* McIntyre, R.L. 1-34764, 1-43530
- Czanderna, A.W., Prince, E.T., Helbig, H.F. Preparation, characterization and reaction in oxygen of Cu<sub>2</sub>S films 1-35378
- Czaplak, W. The LSP-20 type insulators 1-43753
- Czarnecki, L.S. Converter of optimal capacitance for nonsinusoidal systems compensation to DC voltage 1-39045
- Czarnecki, L.S. Minimisation of distortion power of nonsinusoidal sources applied to linear loads 1-49050
- Czarnecki, L.S. Measurement principle of a reactive power meter for nonsinusoidal systems 1-53150
- Czarnota, I., Tabaka, A. Systems for accurate static and dynamic measurements of resistance and DC current and voltage 1-52564
- Czekaj, B.A. *see* Greenstein, L.J. 1-41231
- Czichon, P. Power plant optimised by turbo couplings 1-30995
- Czichon, P. Optimizing an industrial power plant by controlling turbocoupling 1-38906
- Czine, J. General considerations of designing transducers for medical purpose 1-34567
- Czornyj, G., Hiraoka, H. Copolymer (acrylonitrile-methacrylic acid) as all dry electron beam resist 1-50854
- Czubatyj, W. *see* Madan, A. 1-35373
- Czubek, J.A. A method for measurement of thermal neutron absorption cross-section in small samples 1-34477
- Czuchlewski, S.J., Figueira, J.F. Threshold conditions for laser-initiated plasma shutters 1-28751
- Czuchlewski, S.J. *see* Figueira, J.F. 1-28749
- Czuchlewski, S.J. *see* Goldstein, J.C. 1-41138
- Czuchlewski, S.J. *see* Haglund, R.F., Jr. 1-51518
- Czyz, W.S. *see* Rauchas, A.V. 1-42959, 1-42962
- D. Toong Hoo-min *see* Hoo-min D. Toong da Silva, J. Lopes *see* Lopes da Silva, J.
- Da Wu Wen *see* Wu Wen Da
- Da-Wei Wu *see* Wu Da-Wei
- Dabas, R.S., Tyagi, T.R., Somayajulu, Y.V., Lal, J.B. Diffraction of 140 MHz ATS-6 signal by lenslike ionospheric irregularities 1-33345
- Dabbene, A., Morganti, M., Novielli, G. The design of recovery strategies in the AFDT1 and DTN1 telephone exchanges 1-42102
- Dabholkar, D.A. *see* Balkar Singh 1-50341
- Dabkowski, R. The calculation of magnetic coupling from overhead transmission lines 1-49138
- Dabrowski, A.J., Iwanczyk, J.S., Barton, J.B., Huth, G.C., Whited, R., Ortale, C., Economou, T.E., Turkevich, A.L. Performance of room temperature mercuric iodide (HgI<sub>2</sub>) detectors in the ultralow-energy X-ray region 1-34449
- Dabrowski, A.J. *see* Iwanczyk, J.S. 1-34503
- Dachsel, S., Franz, K. Problems regarding utilization of power accrual in electric heat plants 1-44492
- Dack, L. Van'T *see* Van'T Dack, L.
- Dacko, G. Problems of measurements of the nonsinusoidal current energy 1-43807
- Daebler, D.H. Specifying solder paste materials for stencil applications on thick film circuits 1-50702
- Daehlin, O.T. *see* Tamura, P.N. 1-41812
- Daele, J. Van *see* Van Daele, J.
- Daems, G. *see* Baribaud, G. 1-42939
- Daems, G. *see* Boillot, J. 1-42921
- Daetwyler, K., Oosenbrug, A. Accurate control of the edge slope of thin films [Josephson junction technology] 1-28346
- Daffara, R. *see* De Paoli, R. 1-47366
- Daffe, J. *see* Olsen, R.G. 1-30785
- Dagan, J., Battler, A., Adam, L., Yahini, J.H., Neufeld, H.N., Meir, O., Orenstein, A. MYO-MAP—a fast recording system for epicardial mapping 1-34624
- Dagan, S. *see* Botner, O. 1-34444
- Daggit, R. An easy-to-use A/D converter 1-36305
- D'Agostini, G., Marini, G., Martellotti, G., Massa, F., Rambaldi, A., Sciubba, A. High resolution time-of-flight measurements in small and large scintillation counters 1-48577
- d'Agostino, R., Flamm, D.L. Plasma etching of Si and SiO<sub>2</sub> in SF<sub>6</sub>-O<sub>2</sub> mixtures 1-27947
- Dagostino, T., Turner, M. Catch glitches on slow sweeps with scope's Envelope mode 1-48134
- Dagostino, T. *see* Turner, M. 1-52494
- Dahabreh, M.N., Morinaga, N., Namekawa, T. An analysis of output characteristics of a nonlinear satellite transponder for multi-carrier systems 1-47599
- Dahinden, V. *see* Moser, H.P. 1-44129
- Dahl, E., Johannesen, A., Rolfse, L., Sand, K. Planning and design of public electrical supply systems 1-49022
- Dahl, P.F. *see* Hahn, H. 1-52640
- Dahl-Jensen, E. *see* Cockerill, D. 1-43233
- Dahl-Jensen, E. *see* Cockerill, D. 1-43233
- Dahlberg, E.D. *see* Epstein, K. 1-48143
- Dahlmann, H. *see* Bonfig, K.W. 1-48021
- Dahlquist, G. *see* Bjorstad, P. 1-35867
- Dahm, R. *see* Ballmer, U. 1-30987
- Dahms, J., Streckenbach, W.-C. A digital tuning system for TV-receivers 1-29884
- Dahr, M. *see* Dochat, G. 1-31216
- Dai, C.C., O'Yang, J.Y., Chuang, S.Y., Tseng, P.K. Microprocessor-based multiscaler for angular correlation of annihilation radiation experiment 1-48650
- Dai Feng-Mei *see* Chen Shu-Chun 1-41068
- Dai Ren-Zhi *see* Deutch, B.I. 1-27932
- Dai Shou-yu, Qi Shang-xue, Li Zhao-lin, Zhou Pei-zhen, Tao Hong-jie, Wang Chang-heng. Anomalous behavior of stripe-geometry GaAs DH lasers at low temperatures 1-51448
- Daido, H. *see* Yamanaka, C. 1-51348
- Daido, Y. Refractive index profiling a graded-index fibers to attain a 100 MHz bandwidth at a fiber length of 100 km 1-33062
- D'Aiello, R.V. *see* Robinson, P.H. 1-53610
- Daimaru, T. *see* Sakaguchi, T. 1-44550
- Dakin, J.P., Flower, J.C., Holliday, M.G. FM techniques for electronic sub-carrier coding—a convenient method for transmitting analogue signals over optical fibres 1-42280
- Dakin, P. Courtesy light delay 1-39188
- Dal Degam, N. *see* Copperi, M. 1-41581
- Dal Porto, J., Loesch, D., Olson, H., Plunkett, P. LSI packaging that passes PIND test 1-44721
- Dalal, M.V. Thermal stability of micaceous insulation of high voltage machines 1-53364
- Dalal, V.L. *see* Russell, T.W.F. 1-49680
- Dalbera, J.P. *see* Redon, A.M. 1-31393
- Dalby, T.G. Decoupling of a monopole antenna with a radial-transmission-line choke 1-51726
- Dale-Lace, J. Modern plastic film capacitors 1-32420
- Dales, H.G. *see* Bade, W.G. 1-44775
- Daley, J.M., Castenschild, R. Demand peak shaving with on-site generators 1-34744
- Dalglish, R.L. *see* King, B.V. 1-47894
- D'Ali, G. *see* Basile, M. 1-43250, 1-43251
- Dalinenko, N.K., Korotun, V.P., Osipov, Y.V., Popov, V.N., Shusterman, L.P. Investigation into resolution of disectors using laser interference resolution tester 1-41173
- Dalla Porta, F., Fantuzzo, D., Mazzoldi, A., Sigalotti, G.B. A micro-controlled electrocardiograph for a three channel automatic acquisition of ECG 1-52777
- Dallago, E. *see* Bassi, E. 1-53711
- Dallaire, R.D., Maruvada, P.S. Analysis of radio interference from short multiconductor lines. II. Analytical and test results 1-43729
- Dallaire, R.D., Maruvada, P.S. Analysis of radio interference from short multiconductor lines. I. Theoretical analysis 1-43746
- Dallaire, R.D., Maruvada, P.S. Analysis of radio interference from short multiconductor lines. II. Analytical and test results 1-43747
- Dallaire, R.D., Sarma Maruvada, P. Analysis of radio interference from short multiconductor lines. I. Theoretical analysis 1-43728
- Dallaire, R.D. *see* Sarma Maruvada, P. 1-30706, 1-30707
- Dallargine, G., Falleni, M., Tanca, S. Some aspects of telecommunications network planning and design 1-41902
- Dallas, W.J. Computer-generated holograms 1-28818
- Dalle Molle, D., Gavotti, N.L., Vittorini, B. Rheostatic braking in inverter-fed asynchronous motors 1-53464
- Dallek, S., James, S.D., Kilroy, W.P. Exothermic reactions among components of lithium-sulfur dioxide and lithium-thionyl chloride cells 1-39111
- Dallman, J.C. *see* Starkovich, V.S. 1-30266
- Dall'olio, C., Lanzi, G., Pizzini, L. ESCU/CORU system for electromechanical switching enhancement 1-37842
- Dallos, A., Buckbee, J.A., Spencer, G.R. CRT cathode temperature control for high current densities 1-40361
- Dallum, G. *see* Berkbigler, L. 1-30213
- Dalman, G.C. *see* Kondoh, H. 1-45672
- Dalmazzo, R. *see* Bramanti, A. 1-49432, 1-49464
- Dalmon, J. *see* Sampuran-Singh 1-37278
- Dalnoki, G. FSK signal generation, demodulation and filtration by hybrid circuits 1-45337
- Dalpadado, R.N.G., Shirae, K. Barkhausen noise controlled by electric current through core 1-40820
- Dalpadado, R.N.G., Shirae, K. Magnetoelastic waves in amorphous tape cores carrying electric current 1-40821
- Dalponete, G.A. *see* Muravchik, C.H. 1-32517
- Dalton, N.F. The design of boilers for Australian brown coal 1-35022
- Daly, E. *see* Freeman, M. 1-49789

- Daly, J.C. Not-so-dumb dumb terminal 1-41972  
Daly, J.J., Jr. *see* Kenyon, W.G. 1-27705  
Daly, K.J., Smith, J.D. Estimation of excitation and transmissibility from output measurements, with application to gear drives 1-44408  
Dam, P. *see* Cockerill, D. 1-43233  
Dam, R.A.A.F. *van see van Dam, R.A.A.F.*  
Daman, E.L., Robertson, A.S. Pressure groups—pressure fluidised bed combustion is being pursued in the USA 1-53268  
Damanda, K. *see* Ogle, J. 1-33843  
Damastra, G.C. A new synthetic test plant at KEMA high power laboratory 1-35296  
Damatov, Ya.M., Sapozhnikova, T.F., Shyussler, R. Testing of four-bit microprocessor element 1-32243  
Damay-Kavala, F. *see* Nuzillat, G. 1-40036  
Damblin, J.-L., Martin, M., Payen, G. FHD 200 radio link system for digital transmission at 8 and 34 Mbit/s in the CCIR 2 GHz plan 1-47524  
Damboldt, T. HF ground-wave field-strength measurements on mixed land-sea paths 1-46940  
D'Ambra, S.J. *see* Curtis, T.H. 1-47626  
Damen, T.C., Duguay, M.A., Shah, J., Stone, J., Wiesenfeld, J.M., Logan, R.A. Broadband tunable picosecond semiconductor lasers 1-51405  
Damen, T.C., Duguay, M.A., Wiesenfeld, J.M., Stone, J., Burrus, C.A. Picosecond pulses from an optically pumped GaAs laser 1-28738  
Damen, T.C. *see* Liu, P.L. 1-28736  
Damerell, A.R. *see* Ross, I.N. 1-51414  
Damerell, C., Giddings, D., Kisieleski, B., Lutz, G., Lutjens, G., Melot, J.-P., Rybicki, K., Wickens, F. Use of the ESOP fast processor in the trigger logic of the CERN experiment NA-11 1-38450  
Damerell, C.J.S., Farley, F.J.M., Gillman, A.R., Wickens, F.J. Charge-coupled devices for particle detection with high spatial resolution 1-48627  
Damerell, R.M. Distance-transitive and distance-regular digraphs 1-50203  
Dangaard, G. *see* Cockerill, D. 1-43233  
Dangov, V.N. Method for approximate determination of the effective capacity of semiconductor diodes 1-27979  
Damian, V. *see* Apostol, D. 1-51543  
Damiano, D.A. *see* Walker, M.S. 1-28287  
D'Amico, A., Stocchino, G. High-voltage amplifier owes its gain and accuracy to low-voltage IC op amp 1-27298  
d'Amico, A. *see* Zemel, J.N. 1-52433  
d'Amico, E. *see* Bossart, R. 1-48473, 1-48476  
Damlaj, B. *see* Bosio, R.G. 1-49845  
Damljanovic, D., Arandjelovic, V. Input protection of low-current DC amplifiers by GaAs diodes 1-27306  
Damm, E.P., Jr. Nonimpact printer with fiber-optic cylinder 1-28856  
Damm, E.P., Jr., Grobin, A.W., Jr. Data recording material for optical record 1-28419  
Damm, E.E.C. *van see van Damm, E.E.C.*  
D'Amore, F., Panichi, C., Squarci, P. Evaluation of reservoir temperatures in Tuscany by application of a gas-geothermometer 1-34708  
D'Amore, M. *see* Cristina, S. 1-33916, 1-43722  
Damosso, E., de Renzis, G., Fedi, F., Migliorini, P. A systematic comparison of rain attenuation prediction methods for terrestrial paths 1-28885  
Damsgard Jensen, J. Nordic mobile telephone system 1-47324  
Danbury, T. A multiple transmitter serial bus 1-33841  
Danby, G. *see* Allinger, J. 1-43104  
Danby, G.T. *see* Allinger, J.E. 1-43103  
Dance, B. TL080 BIFET op. amps 1-27316  
Dance, B. The power MOSFET market 1-28015  
Dance, B. PLL-IC for narrow-band FM 1-32235  
Dance, B. Mirror ICs—improvements in matching and efficiency 1-32319  
Dance, B. Circuits for the production and recognition of speech 1-33577  
Dance, B. Digital tuning systems 1-34050  
Dance, B. Monolithic sound generators 1-34137  
Dance, B. Monolithic sound generator devices 1-34727  
Dance, B. IC of the month: Plessey SL6310C 1-36118  
Dance, B. Digital tuning systems 1-38001  
Dance, B. Infra-red pyroelectric detectors 1-38192  
Dance, B. Programmable operational amplifiers reviewed 1-39928  
Dance, B. Inductive loop telemetry from within the body 1-43300  
Dance, B. FET op amp developments 1-45301  
Dance, B. The power MOSFET market 1-46166  
Dance, B. Circuits for speech generation and recognition 1-51798  
Dance, J.B. Designing with RM cores 1-27638  
Dance, M. Re-thinking high frequency comms design 1-33910  
Dance, M. Developments in oscilloscopes—going digital 1-34310  
Dance, M. Recent developments in op amps 1-36099  
Dance, M. Electronic system distributes vehicle power 1-39181  
Dance, M. Electronic system distributes vehicle power 1-44454  
Dance, M. Developments in signal generators—open-loop/syncs & synths 1-52489  
Dance, M., Donnelly, B. Dedicated ICs—rapidly evolving with LSI technology 1-50961  
Danchenko, V., Stassinopoulos, E.G., Fang, P.H., Brashears, S.S. Activation energies of thermal annealing of radiation-induced damage in n- and p-channels of CMOS integrated circuits 1-28107  
Dancila, M., Popescu, C., Mihaila, A. Prognosis scenarios regarding new non-conventional energy sources contribution to the primary energy balance in Rumania 1-34974  
Dancila, M. *see* Popescu, C. 1-49355  
Dandekar, N. *see* Eastman, L.F. 1-50792  
Dandeno, P.L., Kundur, P., Poray, A.T., Coultres, M.E. Validation of turbogenerator stability models by comparisons with power system tests 1-35134  
Dandeno, P.L., Kundur, P., Poray, A.T., Coultres, M.E. Validation of turbogenerator stability models by comparisons with power system tests 1-38951  
Dandeno, P.L., Kundur, P., Poray, A.T., Zein El-Din, H.M. Adaptation and validation of turbogenerator model parameters through on-line frequency response measurements 1-35137  
Dandeno, P.L., Kundur, P., Poray, A.T., Zein El-Din, H.M. Adaptation and validation of turbogenerator model parameters through on-line frequency response measurements 1-38953  
Dandeno, P.L., Poray, A.T. Development of detailed turbogenerator equivalent circuits from standstill frequency response measurements 1-35136  
Dandeno, P.L., Poray, A.T. Development of detailed turbogenerator equivalent circuits for standstill frequency response measurements 1-38952  
Dandliker, R., Willemin, J.-F. Measuring micro-vibrations by heterodyne speckle interferometry 1-30261  
Dandridge, A. Measurements of the spectral characteristics of CW diode lasers 1-46721  
Dandridge, A., Miles, R.O. Spectral characteristics of semiconductor laser diodes coupled to optical fibres 1-28446  
Dandridge, A., Miles, R.O., Tveten, A.B., Giallorenzi, T.G. Noise and spectral properties of a single-mode CW diode lasers [measurement using interferometer] 1-37163  
Dandridge, A., Tveten, A.B. Noise reduction in fiber-optic interferometer systems 1-46491  
Dandridge, A., Tveten, A.B., Giallorenzi, T.G. Phase noise measurements of six single-mode diode lasers 1-41102  
Dandridge, A., Tveten, A.B., Giallorenzi, T.G. Interferometric current sensors using optical fibres 1-46507  
Dandridge, A. *see* Goldberg, L. 1-51455  
Dandridge, A. *see* Leslie, D.H. 1-51160  
Dandridge, A. *see* Miles, R.O. 1-41081, 1-42611  
Daneels, A. *see* Baribaud, G. 1-42939  
Daneels, A. *see* Blechschmidt, D. 1-42936  
Danelyan, A.G., Manukyan, Yu.S., Dzharagov, Yu.A., Dzhdzhoev, N.A. Standard two-phase optoelectronic generator 1-52557  
Danesh, P., Pantchev, B.G., Kirov, K.I. Thermal oxidation of glow discharge silicon layers 1-45899  
Danesh, P. *see* Kalitzova, M.G. 1-27789  
Danfors, P. HVDC meets requirements for long distance electric power transmission 1-53063  
Dang, C. Continuous pole DC motor 1-44118  
Dang, N.D. *see* Philippou, G.Y. 1-40228  
Dang, N.D. *see* Watson, B.K. 1-41372  
Dang, R.L.M., Shigyo, N. Coupling capacitances for two-dimensional wires [LSI metallic interconnects] 1-46208  
Dang Mo *see* Mo Dang  
Dangel, J., Kohne, J., Schluter, K. Monolithic integrated crosspoint arrays for private automatic branch exchanges (PABXs) and wide-band applications 1-29554  
D'Angelo, J. *see* Levi, E. 1-49769  
D'Angelo, R., Verlangeri, P.A. OHMIC contacts on n-GaAs produced by spark alloying 1-27857  
d'Angelo, S. *see* Bacci, C. 1-43236  
Danh Tran Huu *see* Tran Huu Danh  
Danhauer, P. Numerically controlled machines go metric 1-45580  
Danhui Li *see* Li Danhui  
Danicki, E. New theory of SSBW devices 1-36770  
Danicki, E. Unified theory of interdigital transducers and SAW reflectors 1-46367  
Danicki, E. Influence of bulk-wave generation on SAW filter performance 1-46368  
Danicourt, J.P. The measurement of voltage and temperature in the industrial environment 1-30221  
Danicourt, J.P. Data processing: a further step in centralised measurement control 1-48009  
Daniel, H., Graw, G., Hinderer, G., Hinterberger, F., Huenges, E., Kienle, P., Korner, H.J., Morinaga, H., Nolte, E., Scheerer, H.J., Schneider, U., Schott, W., Skorka, S., Trinks, U., Wiedemann, W., Wilhelm, W., Zech, E., Zierl, R. Design status of the Munich cyclotron Suse 1-42899  
Daniel, H.-U., Steiner, M., Walther, H. Response of metal-insulator-metal point contact diodes to visible laser light 1-32720  
Daniel, J. Interconnect signaling pitfalls 1-52064  
Daniel, J.P. Electromagnetic diffraction by thin parallel conducting strips 1-46852  
Daniel, M.R. *see* Adam, J.D. 1-40826  
Daniel, M.R. *see* Nothnick, C.E. 1-46439  
Daniel, M.R. *see* O'Keeffe, T.W. 1-36832  
Daniel, P.J. The influence of electron beam lithography on semiconductor device technology 1-36550  
Daniel, R.A. *see* Axel, P. 1-42900  
Daniel, R.E. *see* Norton, G.A. 1-42847  
Daniele, V., Montrosset, I., Zich, R. Boundary formulation of propagation problems in guiding structures for integrated optics 1-51218  
Daniele, V., Orefice, M., Zich, R. Mode coupling coefficients in conical horn junction 1-51751  
Danileiko, Yu.K., Manenkov, A.A., Prokhorov, A.M., Khaimov-Mal'kov, V.Ya. Optical inhomogeneities in ruby crystals 1-40879  
Danilewicz, E.J. *see* Calloway, A.R. 1-37057  
Danielou, R. *see* Campisano, S.U. 1-32604  
Daniels, A., Long, M. South Africa builds world's longest 50 kV electrified railroad 1-34836  
Daniels, S.A.G. Gas explosion protection and applications to electric components during fabrication 1-44660  
Danielson, B.L. *see* Franzen, D. 1-51146  
Danielson, B.L. *see* Franzen, D.L. 1-36924  
Danielson, L.R. Development of a low work function Zr/O/W(100) emitter 1-27757  
Danielsson, G. *see* Abrahamsson, L. 1-40027  
Danilatos, G.D. Design and construction of an atmospheric or environmental SEM. I 1-45887  
Danileiko, Yu.K., Manenkov, A.A., Nechitailo, V.S. Investigation of laser-induced depth damage and scattering of light in crystals and glasses 1-41135  
Danileiko, Yu.K., Manenkov, A.A., Prokhorov, A.M., Khaimov-Mal'kov, V.Ya. Surface damage to ruby laser crystals 1-41134  
Danilenko, V.N., Kuznetsov, V.P., Matveev, S.V., Stepanov, E.K. Energy of the  $^{22}\text{Na}$  source annihilation radiation 1-52745  
Danilenko, V.N. *see* Stepanov, E.K. 1-38463  
Danilevich, O.I. *see* Arkhiviev, I.P. 1-44188  
Danilevich, Ya.B. *see* Brynski, E.A. 1-35132  
Danilive, M. *see* Mustafa, O. 1-49071  
Danilov, A.A. Characteristics of automatic flatness-testing devices 1-38099  
Danilov, B.S. The sensitivity of high speed modems to phase jitter 1-47455  
Danilov, L.V. On the synthesis of nonlinear circuits 1-39872  
Danilov, P.V. *see* Khurstalev, V.A. 1-43841  
Danilov-Danilyan, V.I., Rykin, A.A. Formulation of long-range power-engineering development concept 1-30864  
Danilychev, V.A. *see* Basov, N.G. 1-46696  
Danilychev, V.A. *see* Glotov, E.P. 1-28651  
Danilyuk, V.S. *see* Voloshina, V.I. 1-36009  
Danish, I., Kromer, I.L. On the dielectric strength of extra high voltage overhead lines 1-30773  
Danka, A.J., Davidson, D.W., Lloyd, J.R., Prokop, G.S. Pulse nonlinearity method for predicting bond failure 1-40338  
Dankberg, M.D., Heller, J.A. The cost effective use of forward error correction for small Earth stations 1-29701  
Danko, V.G., Ruzhinskii, L.N., Gruboi, A.P. The stator winding magnetic field of a toothless generator with multilayer rotor structure 1-49422  
Dann, A.T. System X: subsystems. VIII. Maintenance control subsystem 1-33890  
Dann, T. *see* Fenster, S. 1-43028  
Dano, A.V. Switch actuator 1-27653  
Dan'shchikov, E.V. *see* Bondarenko, A.V. 1-51546  
Dansky, A.H. Bipolar circuit design for a 5000-circuit VLSI gate array 1-40463  
Danso, K.A., Tullis, L. Thin film metallization studies and device lifetime prediction using Al-Si and Al-Cu-Si conductor test bars 1-50894  
D'Antona, O. Once upon a time there were vacuum tubes 1-46217  
D'Antone, I. *see* Di Cataldo, G. 1-27529  
Danyek, G. Neutral handling of industrial networks 1-38796  
Danyek, G. Is the use of separate grounding transformers justified in the Hungarian power system compensated for ground faults? 1-43780  
Danyushevskiy, Yu.Z., Shkalikov, V.N. Reflection-type phase shift keying using a dielectric-filled waveguide 1-39995

Danzer, J. Properties of invertors for traction 1-44417

Danzer, J. Problems of compensation of the magnetising current of a locomotive transformer 1-53507

Danzer, P. Loop resistance and short-circuit current measured by loop resistance measuring equipment 1-48198

D'Anzieri, G. *see* Beltrami, M. 1-39174

Dao, T.T. Recent multi-valued circuits 1-32300

Dao-huai Wu *see* Wu Dao-huai

Dao-le Yin *see* Yin Dao-le

Daoudi, A. *see* Parent, C. 1-33133

Dapkus, P.D., Coleman, J.J., Laidig, W.D., Holonyak, N., Jr., Vojak, B.A., Hess, K. Continuous room-temperature photopumped laser operation of modulation-doped  $\text{Al}_x\text{Ga}_{1-x}\text{As/GaAs}$  superlattices 1-33219

Dapkus, P.D. *see* Anderson, E.R. 1-33221

Dapkus, P.D. *see* Coleman, J.J. 1-39764, 1-50813

Dapkus, P.D. *see* Holonyak, N., Jr. 1-51438

Dapkus, P.D. *see* Laidig, W.D. 1-46753

Dapkus, P.D. *see* Ng, W. 1-37168, 1-51441

Dapkus, P.D. *see* Vojak, B.A. 1-37140, 1-37143

Darack, S. *see* Chang, R.P.H. 1-40512

Darbo, C., Vitale, S. Second stage trigger for track reconstruction based on contiguity ideas 1-43263

Darby, B.J., Gunton, D., Lewis, M.F. The design and performance of a small efficient SAW convolver 1-32933

Darby, B.J., Hannah, J.M. Programmable frequency-hop synthesizers based on chirp mixing 1-36131

Darby, M.J. Audio power amplifiers. II 1-27315

Darby, M.J. Audio power amplifiers. III 1-36117

Dard, J., Berger, C. Expressions of electrostatic potential for systems with planar symmetry and no space charge 1-46829

Dardel, G. *von see* von Dardel, G.

Dardick, A.M. Multivibrators with Schmitt trigger circuits 1-32239

Darken, L.S., Jr., Trammell, R.C., Raudorf, T.W., Pehl, R.H. Neutron damage in Ge(HP) coaxial detectors 1-34454

Darling, B. Extending the range of a low-cost op amp 1-27294

Darling, D. *see* Oelfke, W.C. 1-30079

Darlington, R. A British view of the American telecommunication system 1-33720

Darlington, R.W. Overload indicator 1-36088

Darmayan, P. The uranium market 1980-1990 1-30861

Darmon, J.M. *see* Bosca, G. 1-46360

Darmouni, C. Design and development of phase self-correcting filters for intermediate frequencies. Application to satellite communication Earth stations 1-47590

Darnell, M. The characteristics of HF propagation paths and their implications in digital communication system design 1-46938

Darnton, B. Graph display unit 1-30013

Darnton, L.A. *see* Randall, C.M. 1-48797

Darr, J. The time constant is the key to recognizing faults in oscillator circuits [TV receivers] 1-34061

Darr, J. Phase-controlled regulators 1-52231

Darreilmann, H. *see* Eckhardt, H. 1-49434

Darringer, J.A., Joyner, W.J., Jr., Berman, C.L., Trevillyan, L. Logic synthesis through local transformations [VLSI CAD] 1-50497

Darrow, A.D., II. *see* Micheels, R.H. 1-50890

Darrow, R.E. *see* Bakos, P. 1-27735

Daruvala, D.J. *see* Motamedi-Azari, M. 1-27722

Darvoid, T.L. *see* Artyushenko, V.G. 1-28421

Darwish, M. *see* Drori, J. 1-28127

Darwood, N. Accurate sine-wave oscillator 1-36142

Das, A., Ray, A. Forced transient motion of a piezoelectric bar and its voltage response 1-48042

Das, B.K. *see* Bansal, K.P. 1-36698

Das, B.N. *see* Chakraborty, A. 1-41295

Das, B.N. *see* Koon, N.C. 1-46391

Das, G., Dumke, W.P., Phillips, A., Jr. Self-aligned, nitride-passivated, emitter-compensated, high-gain bipolar devices 1-27996

Das, G., Mader, S.R. Elimination of reactive ion etching trench-induced defects 1-50879

Das, G., Montillo, F.J. Elimination of RIE-induced metallic contamination 1-40706

Das, J. Telecommunication and social objectives 1-29259

Das, J. *see* Maskara, S.L. 1-47084

Das, J.C.  $\text{SF}_6$  in high voltage outdoor switchgear 1-39085

Das, M.D., Ghosh, P.K. Gate current dependence of low-frequency noise in GaAs MESFETs 1-46155

Das, N., Chatterjee, J.S. Quarterwave microstrip antenna on a ferrimagnetic substrate 1-41382

Das, P., Chakravarti, S.N., Bhat, K.N. Characteristics of GaAs-anodic oxide metal-oxide-semiconductor solar cells 1-44365

Das, P., Shklarsky, D., Milstein, L.B. The use of the Hilbert transform to double the information rate of a SAW implemented direct sequence spread spectrum system 1-29620

Das, P. *see* Chakravarti, S.N. 1-36532

Das, P. *see* Shklarsky, D. 1-36749

Das, P. *see* Webster, R.T. 1-38626

Das, R.L. Power processing and control requirements of dispersed solar thermal electric generation systems 1-31129

Das, S.K. Considerations in the implementation of an adaptive transform coder for speech in a 16-bit fixed point arithmetic microprocessor 1-41563

Das, V.D., Jagadeesh, M.S. Semiconducting behaviour in  $\text{Bi}_{60}\text{Sb}_{40}$  alloy thin films 1-32671

Das, V.D., Jagadeesh, M.S. Tunneling in  $\text{Al-Al}_2\text{O}_3\text{-Al}$  MIM structures 1-50847

Das, V.G. *see* Dutta Roy, S.C. 1-45503

Das, Y. *see* McFee, J.E. 1-42596

Das, Y.A. *see* Khan, A.A. 1-27300

Das, Y. *see* Anand Das, Y.

Das Gupta, S., Donath, W.E., Maling, K. Method for improving the wirability of chips 1-28060

Das-Gupta, D.K., Duffy, J.S. Charge storage in polyvinylidene fluoride dielectret 1-32904

Dascalescu, N. *see* Silard, A. 1-32813

Dash, P.K. *see* Rahman, M.A. 1-38720

Dash, S., Roberts, S. CMOS field-effect transistors with p channel devices using silicides 1-51022

Dashkov, V.M. *see* Shchukin, B.D. 1-34862

daSilva, J.S. Land mobile radio—solutions to spectrum congestion 1-47547

Dass, B.K., Muttolo, S.K. A note on Reed-Muller codes 1-29081

Dassanayake, P. *see* Morgan, G.B. 1-41511

d'Assuncao, A.G., Giarola, A.J., Rogers, D.A. Characteristics of broadside-coupled microstrip lines with iso/anisotropic substrates 1-28954

d'Assuncao, A.G., Giarola, A.J., Rogers, D.A. Analysis of single and coupled striplines with anisotropic substrates 1-45595

d'Assuncao, A.G., Giarola, A.J., Rogers, D.A. Inhomogeneous broadside-coupled striplines 1-47000

Dat, R. *see* Sircar, P. 1-39116

Date, S.K. *see* Sankar, S.R. 1-50629

d'Atri, C. Probabilistic analysis of knapsack-type problems 1-44973

D'Atri, M.L., Micciarelli, A., Parodi, R. The packet switched service in the Italian public data network 1-47430

D'Atri, M.L. *see* Cardarelli, C. 1-41871

Datta, A.K., Som, S.C. On the inverse scattering problem for dielectric cylindrical scatterers 1-37296

Datta, A.K. *see* Ganguli, N.R. 1-33568

Datta, N., Bhatia, D. A note on minimax (max-min) problems in complex space 1-32001

Datta, S., Hoskins, M., Adler, R., Hunsinger, B.J. SAW-LAW multistrip mode converter 1-36789

Datta, S. *see* Adler, R. 1-36453

Datta, S. *see* Hoskins, M. 1-36486

Datta, S. *see* Janes, D. 1-45942

Datta, T., Silver, M. Schottky-barrier profile in a-silicon alloys 1-40460

Datta, T., Silver, M. On anomalous drift mobility results in a-silicon alloys 1-46625

Dattatreya, G.R., Sarma, V.V.S. Bayesian and decision tree approaches for pattern recognition including feature measurement costs 1-37434

Dattilo, A.J. Restoration of scanned image 1-33605

Dattilo, A.J., Goddard, R.D. Use of analog video signal to generate template weights 1-29157

Dattoli, G., Fiorentino, E., Letardi, T., Marino, A., Renieri, A. Progress in the FEL project at the CNEN Frascati Center 1-46660

Dattoli, G., Marino, A., Renieri, A. Beam quality limitations to the single pass FEL dynamics 1-41038

Dattoli, G., Marino, A., Renieri, A., Romanelli, F. Progress in the Hamiltonian picture of the free-electron laser 1-51304

Dattoli, G., Renieri, A. The free-electron laser single-particle multimode classical theory 1-28608

Dau, G.J. New ways to test welds 1-34734

Dau, G.J. *see* Mucciardi, A.N. 1-47203

Dau, W.D. *see* Rahman, M. 1-52695

Daub, D. CTD technology and applications 1-28038

Daubelsberg, L.B. *see* Potter, R.C. 1-48280, 1-48332

Daulion, L. Electrical equipment of the Paris-South Eastern Region TGV line 1-35446

Daum, D., Mundt, J. Control instrumentation for safety-based logical switches 1-49962

Daum, M. Surface muons in  $\pi\text{E}3$  1-38359

Daum, M. *see* Besset, D. 1-42776

Daumert, U. Understanding the structure of the nuclear industry 1-53187

Daut, D.G., Modestino, J.W. Performance of image transmission systems on fading channels 1-33672

Daut, D.G. *see* Modestino, J.W. 1-29116, 1-37654

Dautov, Sh.A. On the absolute convergence of a series of Taylor coefficients of a rational function of 2 variables. Stability of 2-dimensional digital recursive filters 1-47168

Dautremont-Smith, W.C., Schiavone, L.M., Hackwood, S., Beni, G., Shay, J.L. Electrochromic cells with iridium oxide display electrodes 1-36979

Dautriche, M. *see* Gole, P. 1-28899

Dave, R.P. *see* Fielding, S.J. 1-40956

Davelaar, J. *see* Taylor, B.G. 1-34470, 1-34471

Davenport, A.G. *see* Goodwin, E.J. 1-34901

Davenport, A.G. *see* Goodwin, E.J., III 1-43734

Davey, J.H. *see* Comber, M.G. 1-38783

Davey, K.R., King, E.I. A three dimensional scalar potential field solution and its application of the turbine generator end region 1-44040

David, A.K. Reliability criteria for power systems with inherent generation and transmission deficiencies 1-38697

David, D., Hicks, G.G., Morgan, R.H.C. Microprocessors in the SNS 1-48319

David, J. *see* Bosca, G. 1-46360

David, J.P., Floret, F., Guerin, J., Paiva, J.C., Aiache, L. Autonomous photovoltaic converter with linear focusing concentrator 1-53641

David, N. *see* Niculescu, N. 1-49251

David, N.G. *see* Hall, G. 1-48992

David, R. The digital future of the local network 1-51917

Davidek, J. Cylindrical model of contacts with straight line touch 1-36374

Davides, G.B. *see* Pearson, A.W. 1-31836

Davidian, W. *see* Khoshevisan, M. 1-33097

Davidoiff, F. The all-digital television system 1-42371

Davidovich, M.N. *see* Golubentsev, A.F. 1-46839

Davidovici, S. *see* Milstein, L. 1-29060

Davidovskii, A.M. *see* Baranov, V.Yu. 1-51377

Davids, P., Haug, N., Lange, M., Oels, H.J., Schmidt, B. Limiting atmospheric pollution from power-station and industrial boilers 1-38894

Davide, J. Custom design in a university environment 1-39381

Davidson, A. Mechanical analog Josephson junction model 1-28348

Davidson, A. Noise temperature contours for high-sensitivity SQUIDS 1-36844

Davidson, A. AC powered latch 1-45389

Davidson, C.J., Mountain, P. A digital concentrator for use in the local telephone network 1-29561

Davidson, D. *see* Tang, D.D. 1-46916

Davidson, D.F., Duncombe, E., Thatcher, G. Sodium electrochemistry at the Risley Nuclear Power Development Laboratories 1-38873

Davidson, D.M. Evolution of the OPAS-II system 1-37802

Davidson, D.W. *see* Danka, A.J. 1-40338

Davidson, E.E., Magdo, S., Riseman, J. Engineering change wiring system for semiconductor package 1-31887

Davidson, F., Park, Y.C. Optimal point process estimators for Gaussian optical field intensities 1-33427

Davidson, H.L. *see* Goodwin, E.J. 1-34901

Davidson, H.L. *see* Goodwin, E.J., III 1-43734

Davidson, I. The integration of communications in an office system 1-41985

Davidson, J. *see* Kissel, R. 1-53778

Davidson, R.C. *see* Uhm, H.S. 1-41037, 1-51320

Davidson, R.I. Digital facsimile 1-51929

Davidson, R.I., Jenkins, A.R. Video—an emerging public information service 1-51939

Davidson, V., Johnson, R. Present SLAC accelerator computer control system features 1-42944

Davidson, V. *see* Nowak, J. 1-45856

Davidiuk, N.Yu. *see* Agafonov, V.G. 1-51291

Davies, M. *see* Behrend, H.-J. 1-43229

Davies, D.E. Implantation in InP 1-40501

Davies, D.E.N. Circular arrays: their properties and potential applications 1-41410

Davies, D.E.N., Guy, J.R.F. A UHF communication antenna employing open-loop control null steering 1-51734

Davies, D.E.N. *see* Jones, N.A. 1-41424

Davies, D.E.N. *see* Rahim, T. 1-41431

Davies, D.K. Field stimulated interfacial electron transfer 1-28139

Davies, D.W. Teletex with encryption and signature facilities 1-51976

Davies, D.W. *see* Price, W.L. 1-33495

Davies, E.J. Development of electrically-conducting fluidized beds and their application to direct resistance heating of wire, rod and strip 1-44499

Davies, E.J. Development of electrically-conducting fluidised beds and their application to direct resistance heating of wire, strip and sheet 1-53779

Davies, E.J., Wright, M.T. High-performance eddy-current dynamometers 1-35188

Davies, E.Rhys *see* Rhys Davies, E.

Davies, G. Ultrasonic intruder alarm 1-34728

Davies, I., Laxton, J.W., Owers, M.J. The use of magnesium-based flue gas additives in minimizing acid smut emissions from oil-fired boilers 1-43901

Davies, I.G.A., Goodwin, A.R., Plumb, R.G. High-power  $\text{Ga}_{(1-x)}\text{Al}_x\text{As}$  edge-emitting LEDs 1-51294

- Davies, J.B. *see* Philippou, G.Y. 1-50607  
 Davies, K.E. *see* Goldsmid, H.J. 1-52468  
 Davies, M. Negative voltage generator 1-39907  
 Davies, M. High impedance probe 1-48148  
 Davies, M.E. Micropower continuity tester 1-32368  
 Davies, N.G. *see* Day, J.W.B. 1-33937  
 Davies, P.G., Courthod, M.J., MacKenzie, E.C. Measurements of circularly-polarised transmissions from the OTS and SIRIO satellites in the 11 GHz band 1-46911  
 Davies, R. Millimetre waves 1-36339  
 Davies, R. *see* Bates, R.N. 1-32402  
 Davies, R.S. Optimization of SS-TDMA communication satellite payload 1-47649  
 Davies-White, W. *see* Richter, B. 1-42876  
 Davin, J.M. *see* Miller, J.L. 1-51389  
 Davis, A. *see* Rao, Y.V. 1-30361  
 Davis, A.M. Realizability-preserving transformations for digital and analog filters 1-29172  
 Davis, A.M. Realizability preserving transformation for digital and analog filters 1-45450  
 Davis, A.M. Predistortion design of active filters to compensate for finite gain-bandwidth 1-45465  
 Davis, A.M. Synthesis of active ladder filters with continuants 1-50555  
 Davis, A.R. *see* Gagliardi, C.A. 1-43167  
 Davis, A.W., Allsop, B.E. A 1.3  $\mu\text{m}$  single mode fibre optical system for long distance repeaterless FM TV transmission 1-42272  
 Davis, B. Data-communications trends 1-41942  
 Davis, B.R. *see* Bolton, A.G. 1-36261  
 Davis, B.W., Vass, A., Pidgeon, C.R., Allan, G.R. New FIR laser lines from an optically pumped far-infrared laser with isotopic  $^{13}\text{C}^{16}\text{O}_2$  pumping 1-37068  
 Davis, C.M., Bergeron, G., LaCourse, R., Trombley, G. HEPA filters as a contamination source [wafer processing] 1-50862  
 Davis, D., Csomor, A. The new age of high performance kinetic energy storage systems 1-31493  
 Davis, D.E., Motsiff, W.T., Poulin, N.R. Passivation process for semiconductor device with fusible link redundancy 1-40526  
 Davis, E.W. *see* Smith, E.K. 1-37306  
 Davis, F.M. *see* Gale, R.P. 1-49681  
 Davis, G., Stewart, R.B., Brown, W. Improving productivity 1-39329  
 Davis, G.R. The ISL gate array 1-32296  
 Davis, G.R. *see* Schooley, L.C. 1-47129  
 Davis, G.T., Paez, R., Weaver, J.M., Wulf, J.C. Tester for signature analysis verification 1-27400  
 Davis, G.T., Saenz, J.A., Weaver, J.M., Wulf, J.C. Signature analysis test or self-test of CRT blinking attributes in a microprocessor-based system 1-30002  
 Davis, J. Silicone conformal coatings 1-27181  
 Davis, J. Circuit indicates first fault 1-50581  
 Davis, J., Martin, D., Cairnie, D. Passives and relays—a survey from the sharp end 1-32408  
 Davis, J.H. Bi-FET op amps simplify AGC threshold design 1-32188  
 Davis, J.R. Instabilities in MOS devices 1-44592  
 Davis, J.R. *see* Graczyk, J.F. 1-29590  
 Davis, K.L., Weller, J.F. Elastic convolver using planar prism waveguide couplers 1-36752  
 Davis, K.S. *see* Nicholson, W.Q. 1-47246  
 Davis, L.E., Patel, N.I. A new low dielectric constant filling compound for telecommunications cable 1-32436  
 Davis, L.S. *see* Aggarwal, J.K. 1-33626  
 Davis, M.G. The effect of insulation on residential air conditioning demand 1-53796  
 Davis, M.H.A. *see* Elliott, R.J. 1-50127  
 Davis, M.J. *see* Dell, J.M. 1-36627  
 Davis, P.C. *see* Aull, D.W. 1-33873, 1-52001  
 Davis, P.R., Chambers, S.A., Swanson, L.W. The adsorption of cesium on lanthanum hexaboride surfaces 1-31485  
 Davis, P.R. *see* Chen, H.K. 1-31486  
 Davis, P.R. *see* Swanson, L.W. 1-45855  
 Davis, P.W. *see* Clements, K.A. 1-34828, 1-38707  
 Davis, R. *see* Goodfellow, R.C. 1-33152, 1-37169  
 Davis, R.A. Fiber optic star coupler for a 32 terminal data bus system 1-46559  
 Davis, R.D. A derivation of the switched-capacitor adjoint network based on a modified Tellegen's theorem 1-45246  
 Davis, R.D. Distortion analysis of switched capacitor filters 1-45247  
 Davis, R.E., Ambuter, B.P. An oceanographic data recorder 1-43444  
 Davis, R.L. *see* Subhadra Dutta 1-51159  
 Davis, R.S.L. Electric cables for use in fire risk situations 1-43683  
 Davis, S. *see* Satyanarayana, B. 1-48780  
 Davis, S.E. Rural telephony gets on with the real business 1-29353  
 Davis, T.J. *see* Dilbeck, R.A. 1-32113  
 Davis, W.A., Sistanizadeh, M.K. Bounding signal levels at terminations of a multiconductor transmission line behind an aperture 1-41267  
 Davis, W.A. *see* Cordaro, J.T. 1-41212  
 Davis, W.B. Nuisance tripping [circuit protection] 1-53580  
 Davis, W.F. Extend your design options with a new comparator IC 1-27539  
 Davisson, L.D., Longo, G., Sgarro, A. The error exponent for the noiseless encoding of finite ergodic Markov sources 1-33446  
 Davisson, L.D., Longo, G., Sgarro, A. The error exponent for the noiseless encoding of finite ergodic Markov sources 1-51758  
 Davisson, L.D., McElice, R.J., Pursley, M.B., Wallace, M.S. Efficient universal noiseless source codes 1-41495  
 Davisson, L.D. *see* Wren, P.E. 1-29708  
 Davlyatshin, A.K. *see* Kazantsev, V.N. 1-49069  
 Davy, T.J. *see* Brace, J.A. 1-52805  
 Davydova, L.I., Merkhalev, S.D., Pichugin, V.M. On optimum thickness of water-repellent coverings of high voltage insulation 1-34923  
 Davydova, T.A., Chernova, N.I. Second harmonic generation for incident electromagnetic wave in a very inhomogeneous hot plasma 1-28930  
 Dawalibi, F., Bensted, D., Mukhedkar, D. Soil effects on ground fault currents 1-43773  
 Dawalibi, F., Mukhedkar, D., Bensted, D. Measured and computed current densities in buried ground conductors 1-49169  
 Dawalibi, F. *see* Bensted, D.J. 1-39255  
 Dawar, A.L., Taneja, O.P., Kumar, P., Mathur, P.C. Electrical transport properties of p-type  $\text{Pb}_{1-x}\text{Cd}_x\text{S}$  epitaxial thin films 1-40437  
 Dawar, A.L., Taneja, O.P., Paradkar, S.K., Kumar, P., Mathur, P.C. Electrical transport properties of thallium-doped p-type PbTe films 1-32670  
 Dawar, A.L. *see* Mathur, P.C. 1-36496  
 Dawen Pang *see* Fang, P.H. 1-53614  
 Dawes, C.J. *see* Johnson, K.I. 1-45825  
 Dawid, A.P. Some matrix-variate distribution theory: notational considerations and a Bayesian application 1-35754  
 Dawid, A.P., Guttman, I. Conjugate Bayesian inference for structural models 1-50132  
 Dawkins, G. An electromagnetic rotary-to-linear coupler 1-49644  
 Dawoud, M.M. *see* Anderson, A.P. 1-41306  
 Daws, D.C., Jones, E.V. Mode-controlled serial logic systems 1-45411  
 Dawson, C., Bolton, H.R. Cooling by heat pipe in a limited rotation rotary actuator 1-44311  
 Dawson, J.M. *see* Liewer, P.C. 1-46666  
 Dawson, J.M. *see* Tajima, T. 1-48299  
 Dawson, J.W., Underwood, D. Fast TDC for on-line TOF using monolithic flash A/D converter 1-34508  
 Dawson, J.W. *see* Chan, C.-J. 1-28404  
 Dawson, L.R. *see* Chaffin, R.J. 1-36594  
 Dawson, L.R. *see* Zipperian, T.E. 1-36607  
 Dawson, P. *see* Roberts, J.S. 1-39765  
 Dawson, S.V. *see* Butler, J.P. 1-45065  
 Day, A.G., Weller, M.G. Flammability testing of printed wiring board material and the effect of conformal coating 1-27704  
 Day, C.R. *see* Ainslie, B.J. 1-36904  
 Day, C.R. *see* Beales, K.J. 1-28432, 1-46494  
 Day, D.S. *see* Magee, T.J. 1-32629, 1-50748  
 Day, G.W. *see* Franzen, D. 1-51146  
 Day, G.W. *see* Franzen, D.L. 1-36924  
 Day, G.W., Franzen, D.L. (editor) Technical Digest-Symposium on Optical Fiber Measurements, 1980 (NBS-SP-597) 1-26781  
 Day, J.B. *see* Mills, W.C. 1-42014  
 Day, J.D. *see* Murthy, D.N.P. 1-44791  
 Day, J.F. An American view of photovoltaics in developing countries 1-53662  
 Day, J.W.B., Davies, N.G., Douville, R.J. The applications of lower power satellites for direct television broadcasting 1-33937  
 Day, R.J. *see* Ross, I.N. 1-51414  
 Day, S.M.D., Patterson, F.K. What's new in European thick film? 1-40322  
 Dayan Yang *see* Yang Dayan  
 Dayem, R. Queueing plus alternate routing in communications networks 1-29255  
 Dazai, K. *see* Takamashi, H. 1-29769  
 De, B.B., Krakau, H.B. Fault-tolerance in a multiprocessor, digital switching system 1-47484  
 De, B.K. Electric drives and controls for crane. II 1-35164  
 de Albuquerque, A.A. *see* Lind, L.F. 1-41479  
 de Almeida, A. Traca *see* Traca de Almeida, A. de Almeida e Albuquerque, J.P. *see* Leite, F.S. 1-47642  
 de Andrade, M.C. General considerations on electric power systems 1-34745  
 de Araujo, C.A. Paz *see* Paz de Araujo, C.A. de Bachtin, O., Lindroos, L., Tonny, I. Programmed testing of AXE systems using the Chill-based language PILOT 1-42121  
 de Bakker, J.M.T., van Capelle, F.J.L., Janse, M.J., Durrer, D. Epicardial mapping in the surgical treatment of tachycardias 1-48722  
 De Battista, C.E., Carreno, C. Creep in aluminium alloy conductors 1-30771  
 De Baudus, B., Nuttall, J. The E10.B digital switching system for telephone network growth and modernization 1-42049  
 de Belin, M.J. *see* Muir, A.W. 1-42191  
 De Blasi, C., Galassini, S., Leo, M., Leo, R.A., Micocci, G., Soliani, G., Tepore, A., Manfredi, C. Concentration dependence of the photogenerated minority carrier lifetime in the photovoltaic effect 1-33141  
 de Boer, G.A. Cost of electricity from uranium and from coal 1-30897  
 de Boer, T. *see* Robertson, J.M. 1-33131  
 de Boer, W. *see* Behrend, H.-J. 1-43229  
 de Bont, R. *see* Kivits, P. 1-33262  
 De Brito Cruz, C.H. *see* Fragnito, H.L. 1-37074  
 de Brouwer, J.A.M. *see* Schalkwijk, J.P.M. 1-33524  
 de Bruyn Kops, P. *see* Wacks, K.P. 1-36666  
 De Buck, F. Optimal leakage reactance for induction motors, supplied by a voltage-source inverter 1-53465  
 De Buck, F., Humblet, L., De Wael, L., Hoebeck, G. A electroprocessor-based frequency inverter, suitable for experimental purposes 1-53534  
 de Buda, R., Kassem, W. About lattices and the random coding theorem 1-33556  
 de Capelle, A.R. Van *see* Van de Capelle, A.R. de Capelle, A. Van *see* Van de Capelle, A. de Carli, A. *see* Bellini, A. 1-35353  
 de Carvalho, J.M., Field, J.A., Hanson, J.V. A digital modem based on correlation detection 1-29513  
 de Carvalho, L.M.I., Lopes da Silva, J. Scintillation intensity of NE-102A screens: numerical integration of an expression for the radioluminescence yield, eventual application as a method of particle identification 1-43215  
 de Castro, C.F. Ferreira *see* Ferreira de Castro, C.F.  
 de Castro, E. On the mutual synchronisation of a set of coupled oscillators with reflections on their effect as a pace maker in cardiac cells 1-38531  
 De Castro, E. Microelectronics development perspectives 1-46186  
 de Clercq, A.S. Combined generation of electric power and heat in The Hague 1-38904  
 De Corte, F. *see* Moens, L. 1-52681  
 de Cremoux, B., Hirtz, P., Ricciardi, J. On the presence of a solid immiscibility domain in the GaInAsP phase diagram 1-50791  
 de Cremoux, B. *see* Razeghi, M. 1-51451, 1-51452  
 De Donder, J. *see* Moens, L. 1-52681  
 De Falco, F. Latina power station 1-53213  
 de Faria, J.M., Jr., Hartmann, C.R.P., Gerberich, C.L., Varshney, P.K. An information theoretic approach to the construction of efficient decision trees 1-33473  
 de Figueiredo, A.C.D., Sa Marta, E., e Silva, J.G.C. Fast transposition technique for microprocessor array processing attachments 1-27059  
 de Figueiredo, R.J.P. *see* Dwyer, T.A.W., III 1-50449  
 de Figueiredo, R.J.P. *see* Fogel, S.V. 1-41825  
 de Fornel, B., Hector, J., Lajoie-Mazenc, M., Trannoy, B. Hybrid simulation of AC machines fed by static converters 1-53713  
 De Freece, D.A. *see* Baker, C.C. 1-35016  
 de Frutos, A.M. *see* Quintanilla, M. 1-28790  
 De Genst, P. The Plate-Taille pumped-storage power station 1-31091  
 De Giusti, A.E. A microlanguage and a syntactical analyser for the description of electronic circuit boards 1-50669  
 De Greef, D., Vandeweghe, J. Acceleration feedback loudspeaker 1-52305  
 De Greene, K.B. Sociotechnical implications of multiway video systems 1-38040  
 de Grijp, A. Van *see* van de Grijp, A. de Grooff, D. Antiope/Teletel—Captain [teletext] 1-33782  
 de Grooff, D. Videotext in Belgium 1-51937  
 de Guise, J., Guardo, R., Savard, P., Roberge, F.A. Recovery of the equivalent dipole from surface potential distributions: an experimental study of electrode position tolerances 1-48733  
 de Haan, G., Meijer, G.C.M. A new concept for electronic thermometers with an intrinsic reference 1-34277  
 de Haas, J. *see* Neessen, J. 1-28903  
 de Heer, H.J. Residual hazard of the application of automatic protective equipment with nonsel-frevealing failures 1-26969  
 De Hogg, F.R. *see* Andersen, R.S. 1-33050  
 de Jong, H.C.J. Slot effects in the teaching of electrical machines 1-49892  
 de Jong, L.P., Kerkvliet, H.M.M. Opto-electronic detection of blood in eggs for consumption 1-30058  
 de Jong, M., Oh, S., Birchall, J., Gusdal, I., McIlwain, A., McKee, J.S.C. Resonant depolarisation of polarised  $\text{H}^+$  ions in the University of Manitoba Cyclotron 1-42881  
 de Jong, M. *see* Oh, S. 1-43155  
 De Jong, R. Go 'Selectalott'—you're mad if you don't [random number selector] 1-27533  
 De Jong, R. Autodim for automatic light dimming 1-44462  
 De Jong, R. On-screen graphic analyser 1-47831  
 De Jong, R. Infrared light-beam relay 1-50474

De Jong, R., Swain, G. Build this simple touch-sensitive alarm 1-49959

de Julio, U. *see* Bonaventura, G. 1-47505

De Kerkhof, F.A.M. *see* Van De Kerkhof, F.A.M.

De Keuster, C. *see* Debontridder, J. 1-53456

de Klundert, L.J.M. *see* van de Klundert, L.J.M.

de Klundert, L.J.M. *see* Van de Klundert, L.J.M.

de Kock, A.J.R., van de Wijgert, W.M. The influence of thermal point defects on the precipitation of oxygen in dislocation-free silicon crystals 1-40381

de Kuiper, C.E.M. Open-air temperature and weighted ambient temperature, associated with normal and unusual service conditions and different operating conditions of oil-immersed power transformers 1-44134

De La Cruz, F. *see* Letouzey, P. 1-43420

De La Cruz Castillo, F. *see* Figuera De Vargas, J.F. 1-38852

de la Plaza, A. Hybrid with automatic selection of balance networks [LSI circuit] 1-47469

de Leeuw, J.J. Load flow calculations for harmonic frequencies 1-30680

De Leeuw, S., Fabry, A., Menil, R., Tourwe, H. Si reactor damage monitors and their application 1-38439

de Leeuw den Bouter, J.A. *see* van Cooten, P. 1-43911

De Lieto Vollaro, A., Trimarch, F. The importance of reliability, availability and maintainability concepts in air conditioning plants 1-49810

De Long, R.V. *see* Hickernell, F.S. 1-46371

de Loof, E., Perez Moreno, H., Gancedo, J. Systems for testing functioning of digital voltmeter. II 1-30179

De Loof, E., Perez Moreno, H., Gancedo, J. System for checking the functioning of a digital voltmeter 1-34237

De Loof, E., Perez Moreno, H., Gancedo, J. A system for checking the operation of a digital voltmeter 1-42529

De Lorenzi, H.G. 3-D elastic-plastic fracture mechanics with ADINA 1-39651

De Lorenzo, J.T., Blalock, T.V., Chiles, M.M., Kennedy, E.J., Rochelle, J.M., Valentine, K.H. Wireless, in-vessel neutron monitor for initial core-loading of advanced breeder reactors 1-38881

de Los Reyes *see* Soares, R.A. 1-40221

De Los Reyes, E., Fuste, A.E. Matching and biasing networks for microwave transistors 1-27309

de los Rios, F.J., de Miguel, M., Tirado, C. Planning problems found in the economic dimensioning of junction networks in a mixed analogue/digital environment and their solution with the aid of computer programs 1-52029

De Los Rios, F.J. *see* Caballero, P.A. 1-51911

De Luca, A., Moglia Panighini, L., Secco-Suardo, G.M. A software package for evaluating and optimizing the performance of versatile manufacturing systems and assembly lines 1-39250

de Luca, A. *see* Cucci, A. 1-41414

De Luca, C.J. *see* Stulen, F.B. 1-43336

De Luca, J.C. *see* Argyle, B.E. 1-28258

De Luca, S. *see* Brusagino, G. 1-39158

de Magnee, J.-P. Vibration analysis in the surveillance of rotary machines 1-44024

de Malherbe, M.C. *see* Immarigeon, J.-P.A. 1-45135

De Man, H. CAD techniques for VLSI 1-28068

De Man, H. *see* Rabaej, R. 1-45245

De Man, J. *see* Boute, R.T. 1-42100

De Marca, J.R.B. *see* Copperi, M. 1-41581

de Marchi, A., Godone, A., Bava, E. Phase-coherent synthesis and precision frequency measurements in the far infrared 1-48195

De Martini, F., Ristori, P., Santamato, E., Zammit, A.C.A. Generation of second-harmonic surface plasmons in Al-quartz interface 1-33280

de Martinis, C. *see* Acerbi, E. 1-42896

de Mattos, A.C.F. *see* Essaid, A. 1-40511

de Maubland, H., Maurin, G. The utilization and prospects of hydro-electric energy in France 1-35085

de Mello, F.P., Hannett, L.H. Validation of synchronous machine models and derivation of model parameters from test 1-35155

de Mello, F.P., Hannett, L.N. Large scale induction generators for power systems 1-38994

de Mello, F.P., Hannett, L.N. Large scale induction generators for power systems 1-43536

de Mello, F.P. *see* Chang, K.Q. 1-43933

de Mendez, M., Dumont, J.J., Ambery, P. Fibre optic sensors 1-28464

De Mesmaeker, I., Reinhard, S. The choice of reference voltages for the measuring systems of distance relays 1-38804

De Mesmaeker, I. *see* Kolbe, W. 1-39074

De Mey, G., Simoens, H., De Vos, A. Analysis of photovoltaic systems including a battery storage 1-53626

De Micheli, G. *see* Amoia, V. 1-39446

De Micheli, S. *see* Artom, A. 1-29338, 1-29490, 1-51990

de Miguel, M. *see* de los Rios, F.J. 1-52029

De Min Huang Walsh-Hadamard-Haar hybrid transforms 1-29197

De Mol, C. *see* Bertero, M. 1-37295

de Munck, H., Bury, J.R., Devoldere, J.A., Simpson, W.E. A new non-halogenated flame retardant wire insulation based on polyphenylene oxide 1-32449

De Nicola, R., Martucci, R., Roberti, P. A CHILL based distributed architecture 1-47501

de Nobriga, R.M. *see* Baranski, A.S. 1-40394

De Noskowski, P. Japan experiments with SHF television 1-47761

De Ornellas, S. *see* Chang, G. 1-45918

De Ornellas, S. *see* Teng, T.C. 1-51015

De Palma, V. *see* Nebenzahl, L. 1-33321

De Paoli, R., Daffara, R., Rinaudo, A., Mussino, F. A multistandard teletext signal generator 1-47366

De Pascale, M.P. *see* Federici, L. 1-43268

de Passzo, G., Gilloire, A. Adaptive differential PCM coding at 32 kbit/s for speech signal 1-41509

de Paz, J.F., Gohar, Y.A., Schreyer, H.L. Development of a falling-bed fusion blanket system for synthetic fuel production 1-30915

de Pedis, D. *see* Jonker, M. 1-43256

de Pedro, H.E. *see* Hsu, F.M. 1-29615

de Pedro, T., San Emeterio, J.L., Rosa, R.G. Computer-aided physical design of digital systems. II 1-27683

de Pillis, J., Neumann, M. Iterative methods with k-part splittings 1-35886

de Pontcharra, J. *see* Christoloveanu, S. 1-30111

De Prunele, G. *see* Smith, M.S. 1-51655

De Purkayastha, S. *see* Bose, D.N. 1-45934

de Queiroz, J.F. *see* El Hashmy, N.M. 1-43586

de Renzis, G. *see* Damosso, E. 1-28885

De Rieux, T.H. *see* McMahon, J.M. 1-51411

De Roo, J., Oosterlink, A., Van Daele, J., Dom, F., Van den Bergh, H. Line-organized video compression 1-37645

De Rooij, N.F. *see* Bergveld, P. 1-50923

De Rooij, N.F. *see* Bootsma, G.A. 1-46028

de Rosa, J.M. *see* Gellon, H. 1-32240

de Rosny, G. *see* Devrillon, B. 1-45106

de Ruiter, H.M. Limits on the propagation constants of planar optical waveguide modes 1-28425

de Sa, A. An automatic microbalance for recording variations in magnetisation 1-47893

de Saint Simon, M. *see* Touchard, F. 1-52732

de Salaberry, B. *see* Regnault, D. 1-52164

De Salvo, A. *see* Van Vechten, J.A. 1-45909

de Sande, J.H.A.W. *see* van de Sande, J.H.A.W.

de Sario, M. *see* Armenise, M.N. 1-33038, 1-46552

de Sienes, D.C., Douple, E.B., Strohbehn, J.W., Tremblay, B.S. Some aspects of optimization of an invasive microwave antenna for local hyperthermia treatment of cancer 1-34638

de Silva, A.M. Leite *see* Leite de Silva, A.M.

De Silva, G.M.S., Leather, J.A., Anderson, J.C. The fabrication of foil masks using laser cutting 1-27714

De Silva, K.T.L., Haneman, D. X-ray photoelectron spectroscopy studies of the role of etching in improving CdSe films for photoelectrochemical solar energy conversion 1-44382

de Sousa Pires, J. *see* Norde, H. 1-40449

de Souza, E., Bhattacharyya, S.P. Controllability and the linear equation  $Ax=b$  1-39481

de Souza, J. Moreira *see* Moreira de Souza, J.

de Souza, W.M., Panerai, R.B. Variability of thoracic impedance cardiograms in man 1-43343

De Staebler, H. *see* Richter, B. 1-42876

de Staerke, D., Fontanel, A. Side-looking radar for the detection of oil slicks and for the study of the sea surface state 1-43443

de Staerke, D. *see* Fontanel, A. 1-30561

de Vaart, H. *see* van de Vaart, H.

de Vaart, H. *see* Van de Vaart, H.

De Vargas, J.F. *see* Figuera De Vargas, J.F.

de Vecchis, M., Desormiere, B. 34 Mbits/s optical fibre test link between two Paris telephone exchanges 1-37891

De Vecchis, M., Hulin, J.P., Staath, J.C. Design of low-loss thermal-stable optical cables using a cylindrical V-grooved structure 1-37918

de Velde, J.C. *see* Van de Velde, J.C.

de Ven, E.P.G.T. *see* van de Ven, E.P.G.T.

De Vincenti, P., Doro, G., Saitto, A. Reconstruction of bidimensional electromagnetic field by multidimensional sampling technique 1-33389

de Voil, G.F. *see* Molyneux Child, J.W. 1-31860

De Vos, A., Pauwels, H. On the thermodynamic limit of photovoltaic energy conversion 1-41009

De Vos, A. *see* De Mey, G. 1-53626

De Vos, A. *see* Grosjean, C.C. 1-35360

De Vos, A. *see* Pauwels, H. 1-49696

De Vries, J., Wisman, T., Binnie, C.D. Evaluation of a simple spike-wave recognition system 1-48712

De Vries, W., Oostrijk, L.J. The MEA computer control network 1-42929

De Waal, H., Simonis, F. Tin oxide coatings: physical properties and applications 1-27836

de Waal, V.J., van den Hamer, P., Mooij, J.E., Klapwijk, T.M. Very low noise all-niobium DC SQUIDS 1-28344

De Wael, L. *see* De Buck, F. 1-53534

De Weerd, J.P.C. Facts and fancies about a posteriori 'Wiener' filtering 1-29156

de Werra, D. Some partitioning problems for graphs and hypergraphs 1-44900

de Wijgert, W.M. *see* van de Wijgert, W.M.

de Wilde, J. *see* Druyvesteyn, W.F. 1-46416

De Wispelaere, A. *see* Moens, L. 1-52681

de Wit, C. Modifications of the SUMT-method using quadratic penalty functions 1-44948

De Witt, A. *see* Fech, J. 1-32916

de Zaldivar, J. Solo *see* Solo de Zaldivar, J.

de Zeeuw, W.J. Is wind power a significant future energy source for the Netherlands? 1-49219

de Zeeuw, W.J. *see* Zeegers, H.C.J. 1-39104

De Zhang *see* Zhang De

De Zutter, D. Scattering by objects in translational motion 1-41224

De Zutter, D. Scattering of a plane wave by a rotating dielectric sphere 1-46860

De Zutter, D. *see* Van Bladel, J. 1-47701

De-huang Wang *see* Hong-du Liu 1-32758, 1-37154

De-quan Liang *see* Liang De-quan

De-Xin Cao *see* Cao De-Xin

Deac, Gh. *see* Ijac, Gh. 1-49451

Deacon, D.A.G., Madey, J.M.J., Robinson, K.E., Bazin, C., Billardon, M., Elleaume, P., Farge, Y., Ortega, J.M., Petroff, Y., Velghe, M.F. Gain measurement on the ACO storage ring laser 1-46661

Deadrack, F.J. *see* Miller, E.K. 1-41332

Deak, I., Hoffer, J., Mayer, J., Nemeth, A., Potec, B., Prekopa, A., Strazicky, B. Optimal daily scheduling of the electricity production in Hungary 1-48933

Deal, B.E. *see* Poindexter, E.H. 1-36530

Deal, S. Broughton *see* Broughton Deal, S.

Dean, B.A. *see* Dixon, M. 1-37164

Dean, D.J. A quick method for the accurate evaluation of temperatures arising from heat sources having a rear heat sink 1-26946

Dean, D.J. A new technique for the evaluation of the temperatures arising from some geometries which commonly occur in microelectronics 1-46043

Dean, G.C. Digital mark/space 1-40019

Dean, P.J. *see* Brunwin, R.F. 1-32642

Dean, P.J. *see* Fitzpatrick, B.J. 1-32058

Dean, P.J. *see* Skolnick, M.S. 1-28569

Dean, P.J. *see* Werkhoven, C. 1-32056

Deane, G. *see* McDonough, M. 1-30538

Deanto, C.A. Custom interface IC design for Arinc 429-4 application 1-40073

Dear, T.A. Tackling the problem of reducing motor noise 1-35163

Deara, S.M. *see* Westerfield, J.J. 1-37836

Dearman, K.W.J. *see* Barwick, R.H. 1-27674

Dearnaley, G. *see* Collins, R.A. 1-46075

Deaver, B.S., Jr. *see* Steiner, R.L. 1-28341

Deaver, R.L., Freund, T.J., Gerstle, P.J. Printed diagnostic message 1-29087

Deaver, R.L., Freund, T.J., Gerstle, P.J. Communications diagnostic 1-33487

Deaver, R.L., Freund, T.J., Gerstle, P.J. Communications event trace line monitor 1-33836

Deaver, R.L., Freund, T.J., Gerstle, P.J. Communication primary-secondary protocols 1-33837

Deb, S.K., Wallace, W.L. Status of nonsilicon photovoltaic solar cell research 1-35375

DeBardo, P.D. Teleconferencing for business meetings 1-47828

Debanne, J. Application of generalized transshipment and integer programming algorithms in regional energy planning models 1-34800

Debenham, P.H. End magnet design for the NBS-LASL CW microtron 1-48340

Debenham, P.H. *see* Penner, S. 1-38340, 1-42871

Debertin, K. Messanleitung für die Bestimmung von Gammastrahlen Emissionsraten mit Germanium-Detektoren (Guidelines for the study of gamma-ray emission rates with germanium detectors) 1-52749

Debnath, N.C., Ajmera, R.C., Newcomb, R.W. Simulation of surface acoustic wave resonator 1-41286

Debnath, N.K. *see* Mathur, M.C. 1-38545

Debney, B.T. A theory of generation-recombination noise from the velocity saturated channel of a GaAs MESFET 1-40612

Debney, B.T., Jay, P.R. Electron mobility calculations for Fe-doped InP 1-27831

Debontridder, J., Geysen, W., Van der Aa, J., Vandenput, A., Marcellis, R. Automatic field regulation for the combination Darrieus rotor-generator 1-53386

Debontridder, J., Vandenput, A., Marcellis, R., Geysen, W., De Keuster, C., Fierens, E. The combination asynchronous generator-vertical axis wind turbine for small power applications 1-53456

- Deboo, G.J. Detecting bus bar short circuits during assembly of electronic equipment 1-31866
- Debordes, R. *see* Baribaud, G. 1-42939
- Debrecezi, G. Comparison of the illuminations of new schools 1-31635
- Debroy, S.K. *see* Rohella, R.S. 1-34726
- Debrunner, W.E. The prediction of rain attenuation statistics 1-28881
- Debruyne, G. The 2920 real-time signal processor brings device standardization to a wide range of analog applications 1-50524
- DeCarlo, R.F., Gordon, C. Tableau approach to AC-multiple-frequency fault diagnosis 1-45175
- DeCarlo, R.A. *see* Lefebvre, S. 1-43645
- Decarlo, R.A. *see* Wasynczuk, O. 1-52978
- Dechamps, C. Direct calculation of the sensitivity of terms of the basic submatrix in a parametric linear program 1-39613
- Decheng, L. *see* Luguang, Y. 1-51138
- Dechmann, J.L. *see* Jude, N. 1-45400
- Decina, M., Roveri, A., Cicognani, E., Legnani, V. Some aspects of the management of common channel signalling networks [telecommunication] 1-29300
- Decina, M. *see* Bonaventura, V. 1-29445
- Decker, D.R., Gupta, A.K., Petersen, W.C., Ch'en, D.R. An 8 GHz MMIC preamplifier 1-45690
- Decker, D.R. *see* Petersen, W.C. 1-45687
- Decker, E. Heat pump heat for electrolytic galvanizing 1-44488
- Decker, E. Energy requirements and efficiency in smelting cast iron 1-49801
- Decker, E., Dickopp, A. Priamry energy consumption of competing industrial processes 1-49823
- Decker, M.T. *see* Hogg, D.C. 1-34710
- Decker, S.K. *see* Tsang, C. 1-46388
- Deckert, C.A. *see* White, L.K. 1-40646
- Deckman, H.W., Dunsmuir, J.H., Via, G. Use of a scanning electron microscope as an X-ray source for EXAFS 1-34527
- Declais, Y., Aubert, J.J., Bassompierre, G., Payre, P., Thenard, J.M., Urban, L. A large multi-cell threshold gas Cherenkov counter 1-30359
- Declerck, G.J. *see* van Gelder, I.A. 1-50529
- Declerck, G.J. *see* Ver Der Spiegel, J. 1-46170
- Declercq, J.G. *see* Walker, M.S. 1-31669
- Decollogny, G. Product support for turbochargers - an important after-sales service from Brown Boveri 1-49312
- Decomps, B. Laser as a tool of research and a factor in development 1-33170
- Decotignie, J.-D. Wave propagation in lossy and leaky planar optical waveguides 1-36868
- Decreton, M., Binard, L., Delrez, C., Hebel, W., Schubert, W. High temperature measurements by noise thermometry 1-30250
- Decrop, B., Deportes, J., Dufresne, J.F., Lemaire, R. Effects of different rare earths on the temperature dependence of rare earth cobalt magnets 1-36810
- Deddens, J.C. The future of nuclear power in the US 1-38857
- Dede, E.J., Espi, J. A simple method for limiting the quadrature oscillator amplitude 1-36135
- Dedlovskiy, M.M., Korshunov, I.P., Shevchenko, P.P. An investigation of the coherence of the field radiated from a multimodal optical fiber 1-36884
- Dedourek, V., Palata, J., Pejcoch, J. Identifying the static parameters in the Ebers-Moll transport model of a transistor 1-46120
- Dee, P.K. *see* Hibbard, J.N. 1-42149
- Deeb, W.M. Decomposition of measures orthogonal to  $H^{\infty}(D)$  1-44784
- Dees, W.A., Jr., Smith, R.J. Performance of interconnection rip-up and reroute strategies 1-45776
- Deev, V.N. *see* Karinskii, S.S. 1-37235
- Defang Niu *see* Niu Defang
- Defechereux, J. Infrared photography for electrical installations 1-34114
- Defert, Ph., Thiran, J.P. Chebyshev approximation by multivariate polynomials 1-50568
- DeFino, J.M. Portable keyboard display unit 1-29471
- DeFonzo, A.P. *see* Lee, C.H. 1-28588
- DeFreese, D.A. *see* Baker, C.C. 1-30916
- Degan, N.Dal *see* Dal Degan, N.
- Degaugue, P., Domoulin, B., Cauterman, M., Gabillard, R. Propagation of UHF electromagnetic waves in mine tunnels 1-28922
- Degaugue, P. *see* Zeddman, A. 1-47034
- Degele, D., Dehne, H.C., Gerke, H., Heins, D., Hoffmann, K., Kohaupt, R.D., Kose, R., Kumpf, H., Leneke, M., Mais, H., Neseemann, H., Patzold, S., Peters, F., Piwinski, A., Rossbach, J., Rossmanith, R., Steffen, K., Voss, G.A., Wille, K., Wrulich, A. PETRA 1-43142
- Degele, D. *see* Rossbach, J. 1-42785
- Degenford, J.E., Boire, D.C., Freitag, R.G., Cohn, M. A study of optimal matching circuit topologies for broadband monolithic power amplifiers 1-45309
- Degenhart, C. Legal control powers and third-party complaints procedure in nuclear power legislation 1-49228
- Degens, A.J. Algorithm for a digital transformer differential protection based on a least squares curve fitting 1-35222
- Deghidie, S. *see* Mohamadein, A.L. 1-53417
- Degitz, H., Hofmann, K., Klein, U., Kluge, W., Markus, R., Matthay, H., Moline, A., Wiedner, U. First measurements of the PIOT-RON beam properties 1-38361
- Degn, W., Grassner, H., Wuthrich, H.R. Service experience with low oil content circuit breakers [in medium voltage supply networks] 1-49634
- Degnan, J. *see* Glaab, J. 1-34014
- Degnan, K. *see* Sardella, V. 1-52220
- Degout, R. *see* Barvet, S. 1-36345
- Degrauwe, M. *see* Krummenacher, F. 1-40095
- Degrift, C.T. Van *see* Van Degrift, C.T.
- Degroot, D. *see* Jenevein, R. 1-41991
- Degryse, D. *see* Abauzit, P. 1-30051
- DeGryse, D.G., Panton, D.J. Syntactic approach to geometric surface shell determination 1-48815
- Degtyarev, V.V. *see* Lepeshinskiy, I.N. 1-38658
- Deguchi, F., Yamamoto, T. Design of centralized circuit test system controller [digital telephone networks] 1-47330
- Deguchi, F. *see* Yamamoto, T. 1-47331
- Deguchi, K., Morishita, I. Image data compression and reconstruction by two-dimensional interpolative linear estimation 1-33616
- Degueurce, L., Nakach, A. Regulation of the accelerated intensity in SATURNE 1-43091
- Degueurce, L., Nakach, A., Sole, J. The Saturne beam measurement system for orbit corrections and high and low intensity beam acceleration 1-48474
- DeHainaut, C.R. *see* Cusumano, S.J. 1-46758
- Dehli, M. *see* Schnell, P. 1-49204
- Dehmel, S., Reimann, R. An EPROM programmer using minimum hardware 1-36220
- Dehne, H.C. *see* Degele, D. 1-43142
- Dehne, H.C. *see* Rossbach, J. 1-42785
- Dehoff, A., Krull, R., Matthe, W. The magnetic abrasive working method as testing method for the crystal release behaviour of magnetic materials 1-32965
- Dei-Cas, R., Leboutet, H., Pottier, J. Performance evaluation of a heavy ion RF linac 1-48439
- Deineka, V.S., Molchanov, I.N. Scheme for the finite element method of increasing the order of accuracy of solutions in the theory of elasticity 1-45010
- Deiss, S.R., Downing, R.W., Gustavson, D.B., Larsen, R.S., Logg, C.A., Paffrath, L. Applicability of the FASTBUS standard to distributed control 1-42802
- Deiters, K., Donat, A., Lanius, K., Leiste, R., Roser, U., Sachwitz, M., Trutzschler, K., Aprile, E., Motz, G., Rubbia, C., Kochi, D., Staude, A. Test of a liquid argon multistrip ionization chamber with 8.5  $\mu$ m RMS resolution 1-30336
- Deitinghoff, H. *see* Junior, P. 1-38336
- Deitinghoff, H. *see* Klein, H. 1-43088
- Deitinghoff, H. *see* Muller, R.W. 1-48336
- DeJong, G.A. *see* Shah, R.R. 1-46096
- Deka, B.K., Dyer, P.E., Perera, I.K. Subnanosecond mid-infrared laser pulse generation by synchronous mode-locked CO<sub>2</sub> laser pumping 1-37064
- Dekker, K. Stability of linear multistep methods on the imaginary axis 1-35711
- Dekkers, D. *see* Boillot, J. 1-42937
- Dekkers, J.J.M., Ponce, F., Beneking, H. Buried channel GaAs MESFETs - scattering parameter and linearity dependence on the channel doping profile 1-50935
- del Alamo, J., Eguren, J., Luque, A. Operating limits of Al-alloyed high-low junctions for BSF solar cells 1-39131
- Del Alamo, J., Van Meerbergen, J., D'Hoore, F., Nijs, J. High-low junctions for solar cell applications 1-49695
- Del Alamo, J. *see* Cuevas, A. 1-49701
- del Alamo, J. *see* Luque, A. 1-35365
- Del Campo, J. Introduction to the digital processing of audio signals 1-47215
- Del Campo, J. A thermometer with a digital reading 1-52515
- Del Corso, D. *see* Ajmone Marsan, M. 1-29507
- del Corso, D. *see* Conte, G. 1-35578
- Del Duca, A. *see* Iwanczyk, J.S. 1-34503
- Del Fa, C. *see* Carta, M. 1-39266
- Del Fabbro, R., Murtas, G.P. Directional effects on high energy electrons and positrons showering into a silicon crystal 1-43242
- Del Guerra, A. *see* Bellazzini, R. 1-30351
- del Pino, G.E. On the asymptotic non null distribution of some tests for homogeneity of variances and related results 1-39538
- del Pozo, M., Diaz-Guerra, C. On the economics of digital techniques in today's rural networks 1-29291
- Del Re, E. CCD transversal filter frequency distortions caused by CTI: analytical evaluation and simple compensation technique 1-46292
- Del Re, E. *see* Cain, G.D. 1-33855
- Del Re, E. *see* Capellini, V. 1-37574
- Del Re, E. *see* Capellini, V. 1-45502
- Del Valle, J.L. *see* Perez, E.J. 1-53659
- Del Vecchio, R.M., Sefko, J. Experimental test of loss calculations for thin laminations in the presence of normal sinusoidal flux 1-28839
- Delage, A. *see* Pinson, P. 1-46677
- Delagebeaudeuf, D., Linh, N.T. Charge control of the heterojunction two-dimensional electron gas for MESFET application 1-40586
- Delagebeaudeuf, D. *see* Delescluse, P. 1-32673
- Delagebeudeuf, D. *see* Laviron, M. 1-46134
- Delagnes, A. *see* Mitrani, M.S. 1-41999
- Delahanty, R.J. PLA with internally ORed functions 1-27423
- Delahaye, F. Application of Josephson effect for the maintenance of the voltage standard of the French Laboratoire Central des Industries Electriques 1-34178
- Delahaye, J.P., Gelato, G., Magnani, L., Nassibian, G., Pedersen, F., Reich, K.H., Schindl, K., Schonauer, H. Shaping of proton distribution for raising the space-charge of the CERN PS Booster 1-48458
- Delahaye, J.P. *see* Baribaud, G. 1-42939
- Delahaye, J.P. *see* Boillot, J. 1-42937
- Delahaye, J.P. *see* Cappi, R. 1-42977
- Delahoy, A.E. *see* Vanier, P.E. 1-45943
- Delaney, C.F.G. *see* Gibson, P.N. 1-43262
- Delansky, J.F. *see* Roytman, L.M. 1-40130
- Delaporte, F., Verhaeghe, M. Precision current source 1-45269
- Delaporte, F.X. *see* Cukier, M. 1-27405
- Delattre, L. The complex of the great: the hydroelectric equipment of James Bay, Canada 1-31089
- Delavaux, H. *see* Chang, W.S.C. 1-36971
- Delavaux, J. *see* Zong-Qi Lin 1-45631
- Delayen, J.R., Dick, G.J., Mercereau, J.E. Test of a  $\beta \approx 0.1$  superconducting split ring resonator 1-28412
- Delayen, J.R. *see* Ben-Zvi, I. 1-48428
- Delbianco, L. The effect of the neutral resistance grounding in the network of 'Elektroistra' Pula 1-43657
- Delbianco, L. Use of concrete in electric net 'Elektroistra' Pula 1-53118
- Delcour, J. TNO and the application of microelectronics 1-40314
- Delektorskii, B.A., Nikanorov, V.B. Choice of parameters for a high-frequency gyroscopic transformer current line 1-30251
- Deleroy, W. Application of balancing waves to describe the magnetic field behaviour of a short-primary linear induction motor 1-49488
- Delescluse, P., Laviron, M., Chaplat, J., Delagebeaudeuf, D., Linh, M.T. Transport properties in GaAs-Al<sub>x</sub>Ga<sub>1-x</sub>As heterostructures, and MESFET application 1-32673
- Delescluse, P. *see* Laviron, M. 1-46134
- Delfino, M., Lehrer, W.I. Optical characterization of tungsten silicide thin films 1-39815
- Delfs, J.O. The entry of a new economic superpower [Japanese industries] 1-35594
- Delgado, F.J.C. *see* Aligue, F.J.L. 1-30031
- Delheij, P.P.J., Morgan, G.L., Lisowski, P.W. Polarized targets and polarized low energy neutrons at WNR 1-43170
- D'Elia, G., Marinoni, G.L., Pierri, R. A generalized sampling and sampling-like technique for fast analysis of reflector antennas 1-41345
- Deline, V.R. *see* Evans, C.A., Jr. 1-28723
- Deline, V.R. *see* Johnson, N.M. 1-46002
- Delisle, G.Y., Pelletier, M.G., Cummins, J.A. Signal-to-noise ratios of array receiving systems with internal losses 1-47011
- Delisle, G.Y., Pelletier, M.G., Cummins, J.A., Munier, J. A new approach to the SNR optimization of lossy receiving arrays 1-47044
- Delisle, G.Y. *see* Munier, J. 1-52176
- Deliyannis, T., Fotopoulos, S. Noise in the cascade of biquadratic section filter 1-45485
- Dell, J.A. Aspects of codec testing 1-47467
- Dell, J.M., Davis, M.J., Nassibian, A.G. A bistable MOSFET-type metal-tunnel insulator-semiconductor switch 1-36627
- Dell, J.M. *see* Moustakas, S. 1-36608
- Dell, R.M., Moseley, P.T. Beta-alumina electrolyte for use in sodium/sulphur batteries. I. Fundamental properties 1-35344
- Delli, R.M. *see* Markin, T.L. 1-53605
- Della Casa, S. Monostable digital circuit with hysteresis 1-27522
- Della Mussia, J.P. The concept of prefabricated circuits spreads through France 1-45798
- Della Mussia, J.-P. Power semiconductors: vertical MOS stirrs the pot 1-28020
- della Porta, P. *see* Ferrario, B. 1-48294
- Deller, J.R., Jr. Deterministic models for a certain class of autoregressive equations with stochastic coefficients 1-29160
- Deller, J.R., Jr. Computer simulation studies of a simplified model for a certain class of autoregressive class of autoregressive systems 1-41756
- Deller, J.R., Jr. Some notes on closed phase glottal inverse filtering 1-47148
- Dell'Oca, C.J. *see* Kamins, T.I. 1-50283
- Delogne, P. *see* Jain, P.C. 1-38022
- DeLorenzo, D.J. *see* Gajda, J.J. 1-45438

- Delorme, C., Maheo, M., Thuillier, H., Koh, K.M., Teo, H.K. Cycles with a chord are graceful 1-39587
- Delosme, J.M. *see* Morf, M. 1-31954
- Delosme, J.-M., Genin, Y., Morf, M., Van Dooren, P. 2-contractive embeddings and interpretation of some algorithms for recursive estimation 1-32023
- Delosme, J.-M., Morf, M. Mixed and minimal representations for Toeplitz and related systems 1-32022
- Delp, E.J., Mitchell, O.R. Use of moment preserving quantizers in differential pulse code modulation (DPCM) image coding 1-37655
- Delp, E.J. *see* Mitchell, R.O. 1-37572
- Delrez, C. *see* Decretion, M. 1-30250
- Delsarte, P., Genin, Y., Kamp, Y. On the role of the Nevanlinna-Pick problem in circuit and system theory 1-36036
- Delsarte, Ph., Genin, Y., Kamp, Y. A simple proof of Koga's conjecture for two-variable bounded functions 1-50383
- Deluca, J.C., Herman, D.A., Jr., Sedgwick, T., Vollmer, H. Laser annealing of garnet epitaxial layers under controlled atmospheres for device applications 1-36812
- Delves, L.M. *see* Babolian, E. 1-45046
- Delwig, H.-A., Schamann, O. The technique and special requirements of industrial energy supply 1-43506
- DeMartini, J.F. *see* Donato, V. 1-34218
- DeMattei, R.C. *see* Shaw, H.J. 1-36805
- Demazeau, G., Maestro, P., Pouchard, M., Plante, T., Hagenmuller, P. On a new magnetic recording material derived from chromium dioxide 1-46394
- Dembo, R.S. The sensitivity of optimal engineering designs using geometric programming 1-35833
- Demchenko, A.M. Deep nonradiative recombination centers in gallium phosphide 1-32689
- Demczyk, B.G., Bryant, W.A., Liu, C.T., Buzzei, E.S. Performance and structural characteristics of the iron-air battery system 1-31417
- Demczyk, B.G., Liu, C.T. Investigation of carbon-Teflon plaque resistivities 1-35334
- Dement'ev, A.V. *see* Belousova, I.M. 1-41057
- Dementyev, G.P. *see* Petrov, B.N. 1-38547
- DeMeo, E.A., Taylor, R.W. Photovoltaic activities within the United States electric utility industry 1-53036
- Demerdash, N.A., Nehl, T.W., Fouad, F.A., Mohammed, O.A. Three dimensional finite element vector potential formulation of magnetic fields in electrical apparatus 1-49537
- Demerdash, N.A., Nehl, T.W., Mohammed, O.A., Fouad, F.A. Experimental verification and application of the three dimensional finite element magnetic vector potential method in electrical apparatus 1-49538
- Demerdash, N.A. *see* Fouad, F.A. 1-53397
- Demers, R.A. *see* Anderson, D.V. 1-29565
- Demeter, L.J., Frazier, G., Naff, T. A low jitter triggered gas switch to synchronize modular accelerators 1-49614
- DeMeyer, K.M. *see* DiMaria, D.J. 1-50948, 1-51019
- Demianets, L.N., Emelchenko, G.A., Hesse, J., Karl, N., Lobachev, A.N., Maier, H. Organic crystals, germanates, semiconductors 1-31777
- Demichelis, F., Minetti-Mezzetti, E. Multi-bandgap cells in a TPV converter system 1-53650
- Demichelis, F., Minetti-Mezzetti, E., Ferrari, G., Palazzetti, M. Fresnel lens for photovoltaic solar cells 1-31461
- Demidov, B.A., Ivkin, M.V., Petrov, V.A. Laser ignition of the water discharger for the twin pulse-forming line of an electron accelerator 1-52620
- Demidov, D.L. A contactless interrupter of fault current in a thyristor inverter 1-35244
- Demidov, I.K., Shchers, A.L. Definition of a dynamic job-flow control algorithm in a network 1-41939
- Demin, A.I. *see* Vedenev, A.A. 1-33172
- Demin, V.V. *see* Andreeva, L.I. 1-52469
- Demina, T.P. *see* Grinev, A.Yu. 1-51229
- Demirchyan, K.S., Boguslavskii, I.Z. Calculating currents and losses in rotor of squirrel-cage induction motors by a generalised rotor MMF characteristic 1-44082
- Demmel, E. *see* Hochschild, G. 1-48333
- Demmel, F. Active rod antenna HE 010 for 10 kHz to 80 MHz 1-29011
- Demmer, W. *see* Fiedler, H. 1-40193
- Demmer, W. *see* Fiedler, H.L. 1-40185
- Demmy, R.H. Impact of energy legislation on energy sources 1-43821
- Demo, H.R. *see* Beroqui, M.C. 1-31186
- Demokan, M.S. The interaction of mode-locked laser pulses with intrinsic silicon 1-46611
- Democny, Ph. Surface analysis of semiconductors by ELS microprobe 1-27915
- Demoulin, B. *see* Zeddarn, A. 1-47034
- Demoulin, E. LSI technology 1-28071
- Dempf, G., Grenzdoerfer, S. Data networks 1-41975
- Dempke, W., Rinder, J. Data transmission with the Siemens 300 systems—design and startup 1-37755
- Dempsey, D.V. *see* Fernelius, N.C. 1-40878
- Demuth, O.J. Analysis of binary thermodynamic cycles for a moderately low-temperature geothermal resource 1-31074
- Dem'yanchuk, O.P. *see* Vikulin, I.M. 1-33144
- Dem'yanenko, K.B. Investigating the thermal conditions of operation of surge limiters subjected to the sustained effects of 50 Hz voltage 1-30806
- Dem'yanenko, V.V., Shumelov, R.M. Frequency-selective noise suppressor 1-52259
- den Berg, J.W. Van *see* Van den Berg, J.W.
- den Bergh, H. Van *see* Van den Bergh, H.
- Den Boef, A.J. *see* Biesterbos, J.W.M. 1-37118
- Den Boer, W., Ondris, M. Interference-enhanced long-wavelength response in amorphous silicon solar cells 1-44375
- den Bogaart, F. Van *see* van den Bogaart, F.
- den Bouter, J.A. de Leeuw *see* de Leeuw den Bouter, J.A.
- den Brekel, C.H.J. Van *see* van den Brekel, C.H.J.
- Den Brekel, C.H.J. Van *see* Van Den Brekel, C.H.J.
- den Brinker, C. Changing technologies—where do we go from here? [radiocommunication] 1-47522
- den Broek, H.J.G. Van *see* Van den Broek, H.J.G.
- den Dries, L. Van *see* Van den Dries, L.
- den Dulk, R.C., Huisman, M.P.I. Phase-lock-loop operating ranges measurement 1-50463
- den Hamer, P. Van *see* van den Hamer, P.
- Den Hartog, P.K. *see* Yntema, J.L. 1-43135
- den Heuvel, W.M.E. Van *see* van den Heuvel, W.M.E.
- den Hoek, R. Van *see* van den Hoek, R.
- Den Honert, C. Van *see* Van Den Honert, C.
- Den Ouden, J.A.A. Development of digital filters using the 8X300 microprocessor 1-27523
- den Ouden, W. *see* van den Hoek, R. 1-38989
- den Steen, L. Van *see* van den Steen, L.
- den Steen, L. Van *see* Van den Steen, L.
- Denance, G. SIMCAT: A modular air traffic control simulator 1-48831
- Denard, J.C., Le Duff, J., Level, M.P., Marin, P.C., Sommer, E.M., Zyngier, H. Collective effects on DCI 1-42998
- Denariez-Roberge, M.M., Giuliani, G. High-power single-mode laser operation using stimulated Rayleigh scattering 1-51425
- Denaro, R.P. Navstar: the all-purpose satellite 1-42208
- Denda, M. *see* Satoh, S. 1-46315
- Denda, W. Experiments on the analysis of noise signals [of semiconductor devices] 1-32777
- Denegri, G.B. *see* Arcidiacono, V. 1-44039
- Denehy, B.V. *see* Koga, R. 1-34473
- Denel, J. Convergence of the reduced gradient method in the absence of concavity 1-27034
- deNeufville, J.P., Kasdan, A., Chimenti, R.J.L. Selective detection of uranium by laser-induced fluorescence: a potential remote-sensing technique. I. Optical characteristics of uranyl geologic targets 1-34683
- deNeufville, J.P. *see* Kasdan, A. 1-34684
- Deneuville, A. *see* Muret, P. 1-27860
- Deneuville, A. *see* Toulemonde, M. 1-50868
- Deng An-Chang *see* An-Chang Deng
- Deng Xian-can A planar type GaAs FET 1-28018
- Deng Xian-can A planar GaAs metal-semiconductor field-effect transistor 1-46131
- Deng Xian-can, Zhu Guo-liang A planar-type low-noise GaAs monolithic microwave amplifier 1-45689
- Deng Yanmao *see* Chen Xiaojian 1-45673
- Denhoy, W. *see* Reginato, L.L. 1-43061
- Denig, W.A. A class of matroids derived from saturated chain partitions of partially ordered sets 1-44923
- Dening, D.C., Ragonese, L.J., Lee, C.Y. High temperature LSI 1-36674
- Denis, G., Langlois, C. A CHILL-oriented language-machine for telephone switching 1-29533
- Denis, G. *see* Goodman, M.S. 1-34447
- Denis, M. *see* Abrial, L. 1-53810
- Denisenko, A.A. *see* Bushnin, Yu.B. 1-30372
- Denisenko, A.N. A correlation frequency converter 1-40197
- Denisenko, G.I., Fedosenko, L.P. The principles for the construction of electric power supply systems with regenerative sources of energy 1-43480
- Denisenko, N.A. *see* Hoffmann, J. 1-53060
- Denisenko, N.A. *see* Kuchuk-Yatsenko, S.I. 1-44527
- Denisenko, V.V., Kurbatov, L.N., Shakhidzhanov, S.S. On solid state TV cameras with internal color separation 1-34089
- Denisov, A.M. Approximate solution of Volterra equation of the first kind associated with an inverse problem for the heat equation 1-50269
- Denisov, A.S. *see* Burq, J.P. 1-52679
- Denisov, V.M., Ryabova, M.I., Brylin, B.F. A device for studying blood cell aggregating capacity 1-30406
- Denisov, Yu.V., Kizel', V.A., Orlov, V.A., Perevozchikov, N.F. Properties of radiation emitted by a laser with liquid-crystal reflectors 1-37204
- Denisova, T.S. *see* Kuzina, I.V. 1-30164
- Denisyuk, V.P. Determination of Fourier coefficients of a periodic signal with a given error 1-37518
- Denisyuk, Yu.N. Imaging properties of intensity travelling waves and possible fields of their application 1-51536
- Denker, B.I., Izyneev, A.A., Kuratov, I.I., Tsvetkov, Yu.V., Shestakov, A.V. Lasing in phosphate glasses with high neodymium ion concentrations under pumping with light-emitting diodes 1-28693
- Denker, T., Wolf, D. Improvements of adaptive linear prediction by non-linear methods 1-37583
- Denker, T. *see* Wolf, D. 1-33437
- Denkevits, E.G. Experience with supervisory control of a power plant in petroleum refining works 1-39254
- Denkin, N.M. *see* Cheung, N.K. 1-28496
- Denman, E.D. Roots of real matrices 1-39485
- Denndard, R.H. *see* Chao, H.H. 1-28129
- Denndard, R.H. *see* Wordeman, M.R. 1-50933
- Dennert-Moller, E. *see* Kolouch, D. 1-41738
- Denning, A. *see* Hu, C.P. 1-47538
- Denning, D.E., Sacco, G.M. Timestamps in key distribution protocols 1-51951
- Denning, R.G. *see* Ironside, C.N. 1-30064
- Dennis, J.E., Jr., Gay, D.M., Welsch, R.E. An adaptive nonlinear least-squares algorithm 1-50244
- Dennis, P.N.J. Infrared detectors 1-34290
- Dennis, R.B., MacKenzie, H.A., Smith, S.D., Wherrett, B.S., Voge, D. Intensity induced interband Faraday rotation in InSb. A new non-linear magneto-optical effect 1-28775
- Dennis, T.J. A pre-processor for single-frame picture storage 1-51846
- Dennison, E.E. *see* Ying, S.P. 1-38956
- Dennison, E.W., Stanton, R.H. Ultra-precise star tracking using charge coupled devices (CCDs) 1-38206
- Dennison, R.W. Mass spectrometry applied to a reactive ion mill 1-46081
- Denoeil, H. *see* Bouchoms, J.M. 1-39016
- Densley, J. *see* Bulinski, A. 1-28170, 1-28171
- Densley, J.R. *see* Dorlanne, O. 1-28180
- Densley, R.J. *see* Bulinski, A. 1-28177, 1-53095
- Densley, R.J. *see* Boggs, S.A. (editor) 1-26775
- Dent, K. AGRs and high-temperature gas-cooled reactors 1-30925
- Dental, A.G. *see* Burrus, C.A. 1-51278
- Dental, A.G. *see* Copeland, J.A. 1-51264
- Dental, A.G. *see* Lee, T.P. 1-37031
- Dentino, M.J., Huey, H.M., Zeidler, J.R. Receiver operator characteristic (ROC) performance of an ALE augmented square law detector for finite bandwidth signals in white Gaussian noise 1-37546
- Dentino, M.J., Huey, H.M., Zeidler, J.R. Comparative performance of adaptive and conventional detectors for finite bandwidth signals 1-41742
- Dentino, M.J. *see* Rickard, J.T. 1-37502
- Denyer, P.B., Mavor, J. MOST transconductance multipliers for array applications 1-36688
- Denyer, P.B. *see* Cowan, C.F.N. 1-32321
- Denyer, P.B. *see* McDowell, P. 1-40107
- Denyer, P.B. *see* Mavor, J. 1-32345, 1-40142
- Denzin, M. The c.d. answer to memory questions 1-32278
- Deok-Chool Lee, Kwang-Hyun Park Electrical conduction of polymeric materials with M<sub>1</sub>-P-M<sub>2</sub> structure under low field region. I. Electrode material effect 1-37271
- Deordiev, A.A. *see* Bocharov, V.I. 1-51613
- DePalma, V.A. *see* Baier, R.E. 1-48876
- Depannemaeker, J.C. *see* Lyszyk, M. 1-33243
- DePaula, R.F. *see* Williams, S.W. 1-48361
- Depew, B.W. Electric process heating in industry 1-53776
- Depey, M. Compatibility of high-voltage analog functions and I<sup>2</sup>L digital functions 1-28095
- Depommier, P. *see* Hargrove, C.K. 1-43237
- DePorter, E.L. *see* Kurstedt, H.A. 1-31812
- Deportes, J. *see* Decrop, B. 1-36810
- Depp, S. *see* McCormick, J.B. 1-36431
- Depp, S.W., Juliana, A. Liquid crystal display driver circuit and polysilicon components therefor 1-27273
- Depping, F., Papiernik, W. Electrical energy meter based on sampling and digital data processing 1-30835
- Deppisch, G. Electrical equipment for the first AC locomotives class 7E of the South African Railways 1-44445
- der Aa, J. Van *see* Van der Aa, J.
- der Burg, L.D.B. Van *see* van der Burg, L.D.B.
- der Heijden, R.W. Van *see* van der Heijden, R.W.
- der Hey, R.M. Van *see* van der Hey, R.M.
- der Hoek, G. Van *see* van der Hoek, G.
- der Hoeven, B.J. Van *see* van der Hoeven, B.J.
- der Hoeven, G. Van *see* van der Hoeven, G.
- der Kooy, B.J.G. Van *see* van der Kooy, B.J.G.
- der Kraats, J. Van *see* van der Kraats, J.
- der Krol, W. Van *see* van der Krol, W.
- der Lubbe, J.C.A. Van *see* van der Lubbe, J.C.A.

- der Meer, S. *van see van der Meer, S.*  
 der Merwe, D.G. *Van see Van der Merwe, D.G.*  
 der Meulen, E.C. *Van see Van der Meulen, E.C.*  
 der Molen, T. *Van see Van der Molen, T.*  
 der Plicht, J. *van see van der Plicht, J.*  
 der Poorten, A.J. *van see van der Poorten, A.J.*  
 der Schmitt, H. *von see von der Schmitt, H.*  
 der Schueren, A. *van see van der Schueren, A.*  
 der Sel, C.G. *van see van der Sel, C.G.*  
 der Shueren, P. *van see van der Shueren, P.*  
 Der Spiegel, J. *Ver see Ver Der Spiegel, J.*  
 der Touw, W.G. *van see van der Touw, W.G.*  
 der Tweel, I. *van see van der Tweel, I.*  
 Der Wal, D.J. *Van see Van Der Wal, D.J.*  
 der Weg, W.F. *van see van der Weg, W.F.*  
 der Weyden, H. *von see von der Weyden, H.*  
 Der Wiel, J.M. *Van see Van Der Wiel, J.M.*  
 der Ziel, A. *van see van der Ziel, A.*  
 der Ziel, A. *Van see Van der Ziel, A.*  
 der Ziel, J.P. *van see van der Ziel, J.P.*  
**Der-Shin Chang**, Chi Song Wong A general approach to optimal control of a regression experiment 1-35881  
**Dera, A.** *see Kawecki, A.* 1-28910  
**Deradourian, C.** *see Northam, D.B.* 1-33206  
**DeReggi, A.S.** Polymer hydrophobic probes 1-38621  
**DeReggi, A.S.**, Roth, S.C., Kenney, J.M., Edelman, S., Harris, G.R. Piezoelectric polymer probe for ultrasonic applications 1-30574  
**DeReggi, A.S.** *see Mopsis, F.I.* 1-32012  
 Deren Qiu *see Qiu Deren*  
**Derenne, J.-P.** *see Moreau, C.* 1-43289  
**Derenzo, S.E.** Monte Carlo calculations of the detection efficiency of arrays of NaI(Tl), BGO, CsF, Ge, and plastic detectors for 511 keV photons 1-34423  
**Derenzo, S.E.**, Buding, T.F., Huesman, R.H., Cahoon, J.L., Vuletic, T. Imaging properties of a positron tomograph with 280 BGO crystals 1-34575  
**Dergachev, A.E.** *see Petlenko, B.I.* 1-44080  
**Deri, A.**, Tevan, G. Mathematical verification of Dubanton's simplified calculation of overhead transmission line parameters and its physical interpretation 1-43717  
**Deri, A.**, Tevan, G., Semlyen, A., Castanheira, A. The complex ground return plane—a simplified model for homogeneous and multi-layer earth return 1-49157  
**Derin, H.** *see Askar, M.* 1-33471, 1-33602  
**Deringer, J.J.** Energy conservation measures for commercial buildings used in life cycle cost analysis 1-31661  
**Deripasko, R.N.**, Podgornova, L.I. Attachment for measuring the modulation-transfer coefficient of cathodoluminescent screens 1-38304  
**Derjaguin, B.V.** *see Spitsyn, B.V.* 1-39773  
**Derkasova, V.G.** *see Gernsach, G.P.* 1-35025  
**Derman, C.**, Smith, D.R. An alternative proof of the IFRA property of some shock models 1-26970  
**Derndorfer, C.**, Fischer, R., Hille, P., Stengl, G., Vonach, H. Application of a multiwire proportional chamber for the measurement of differential (n, charged particle) cross sections 1-52680  
**Derneryd, A.G.**, Karlsson, I. Broadband microstrip antenna element and array 1-29000  
**Derouin, C.** *see McCormick, J.B.* 1-36431  
**Dertwinkel, W.** Application of process computers for quality control of thick film circuits 1-50703  
**Dervishev, S.J.** *see Vichev, B.I.* 1-38260  
**Derwent, H.L.**, Helmore, D.E. The development of MADGE as a precision approach aid for helicopter operations on an offshore structure 1-42360  
**Derwischer, S.** *see Witschew, B.* 1-50466  
**Deryabina, G.N.**, Ripp, A.G. Measuring the ratio of liquid phase to solid phase in a continuous ingot 1-45149  
**Deryagin, A.V.**, Baranov, N.V. Magnetic hysteresis and galvanomagnetic effect in a metamagnetic phase transition in Dy<sub>2</sub>Co 1-28218  
**Derzko, N.A.**, Sethi, S.P. Optimal exploration and consumption of a natural resource—deterministic case 1-50237  
**Desa, E.** *see Peshwe, V.B.* 1-30552  
**Desage, A.M.** *see Arnaud, J.* 1-33032  
**Desai, C.** A universal revolution speed controller 1-27241  
**Desai, C.** All SLIC functions in one IC 1-47444  
**Desai, R.**, Dishon, Y., Schor, M.I. Method for forcing a receiver to a reference state on a previously nonagreed edge 1-29089  
**Desai, U.B.** *see Weinert, H.L.* 1-33470  
**Desaintfuscien, M.** *see Petit, P.* 1-29962  
**Desbats, J.M.** *see Baudry, A.* 1-42366  
**DesCamps, B.**, Ruffray, J.-C. Integrated high-voltage video amplifier for color TV 1-29891  
**Deschamps, G.A.** Electromagnetics and differential forms 1-37250  
**Deschamps, R.G.** Evidence of dimensional electromagnetic resonances in magnetic circuits and in particular in ferrite core 1-46423  
**Descombes, A.**, Guggenbuhl, W. Large signal circuit model for LEDs used in optical communication 1-28597  
**DeShazer, L.G.** Spectroscopy using laser-pumped laser oscillators 1-28685  
**Deshmukh, S.D.** *see Chikte, S.D.* 1-35613  
**Deshmukh, V.G.L.**, Webber, H.C., McCaughan, D.V. Pulsed laser modification of SiO<sub>2</sub>/Si interface properties and minority-carrier lifetime 1-50831  
**Deshpande, C.E.** *see Murthy, M.N.S.* 1-51083  
**Deshpande, M.R.** *see Chandra, H.* 1-46869  
**Deshpande, M.R.** *see Dixit, P.S.* 1-51599  
**Deshpande, M.R.** *see Trivedi, A.I.* 1-28909  
**Deshpande, R.Y.** *see Kothiyal, G.P.* 1-39749  
**Desikan, P.K.**, Warner, M.K. A data interface for TDM PABXs that employ a PAM bus 1-29573  
**Deslandes, Y.** *see Josefowicz, J.Y.* 1-42725  
**Desoer, C.** *see Sastry, S.* 1-45229  
**Desoer, C.A.** *see Callier, F.M.* 1-36055  
**Desormiere, B.** *see de Vecchis, M.* 1-37891  
**Desourches, A.** *see Hannon, D.M.* 1-36839  
**Despiau, S.** *see Chauzy, S.* 1-38585  
**Desportes, H.** Superconducting magnets for accelerators, beam lines and detectors 1-52638  
**Desportes, H.** *see Benichou, J.* 1-52639  
**Despotovic, S.T.** Newton's method, its derivatives and its convergence in the analysis of electric power systems 1-34793  
**Desprairies, P.** The energy crisis of the end of the twentieth century and electricity 1-49209  
**Dessert, R.**, Harrop, P. 12 GHz FET front-end for direct satellite TV reception 1-29883  
**Dessimoz, J.** *see Kelley, R.* 1-52273  
**Dessonneck, K.** *von see Von Dessonneck, K.*  
**Dessouky, S.S.** *see El Dessouky, S.S.*  
**D'Este, G.M.** A Morgenstern-type bivariate gamma distribution 1-35766  
**Destine, J.** Determination of the parameters of a diode by the method of least squares 1-32779  
**Destler, W.W.**, Floyd, L.E., Cremer, J.T., Parsons, C.R., Reiser, M., Rudmin, J.W. Collective acceleration of light and heavy ions 1-48409  
**Destler, W.W.**, Romero, H., Striffler, C.D., Weiler, R.L., Namkung, W. Intense microwave generation from a non-neutral rotating E layer 1-45857  
**Destler, W.W.**, Weiler, R.L., Striffler, C.D. High-power microwave generation from a rotating E layer in a magnetron-type waveguide 1-32552  
**Destruel, B.** *see Ai, B.* 1-28176  
**Destruel, P.** *see Moret, B.* 1-28026  
**Desvignes, J.M.**, Feldmann, P., Le Gall, H. Improved growth of NaCa<sub>2</sub>M<sub>2</sub>V<sub>2</sub>O<sub>12</sub> single crystals by the flux technique 1-39739  
**DeTemple, T.A.** *see Petuchowski, S.J.* 1-37201  
**Detinich, V.A.** *see Grigor'yants, V.V.* 1-33057  
**Detjen, E.R.** Safety feature added to feeder protection 1-49155  
**Detling, T.C.** Station carrier: separating fact from fiction 1-37701  
**Detry, R.** *see Burny, G.* 1-30498  
**Dets, G.D.** Linear-stochastic delta-modulation model with single integration 1-41481  
**Dettweiler, H.** An approach to demisyllable speech synthesis of German words 1-37449  
**Deuermeyer, B.L.** *see Friesen, D.K.* 1-31904  
**Deul, N.** Stationarity conditions for multi-server queueing systems with repeated calls 1-51872  
**Deumlich, R.** *see Elster, K.-H.* 1-44950  
**Deuse, M.** *see Messenger, P.* 1-49098  
**Deutsch, B.L.**, Chu Te Chang, Cao De-Xin, Leou Shang-Hwai, Zhou Yu-Yao, Hu Jia-Zeng, Dai Ren-Zhi, Tsou Shih-Chang Pulsed ruby and CW, Nd-YAG laser annealing of Bi implanted Si single crystals investigated by channeling 1-27932  
**Deutsch, A.**, Ho, C.W. Triplate structure design for thin film, lossy, unterminated transmission lines 1-45803  
**Deutsch, D.C.** *see Fesak, G.* 1-53575  
**Deutsch, J.**, Lange, K. Evaluation of the dielectric properties of substrates for microstrip circuits by cylindrical cavity-resonators 1-52567  
**Deutsch, J.** *see Kautz, K.* 1-30979  
**Deutsch, M.** *see Bolon, C.* 1-34463  
**Deutsch, S.** Seven-electrode EER stimulator—monitor for ambulatory monkeys 1-30436  
**Deutsch, T.F.**, Fan, J.C.C., Turner, G.W., Chapman, R.L., Ehrlich, D.J., Osgood, R.M., Jr. Efficient Si solar cells by laser photochemical doping 1-31443  
**Deutsch, T.F.** *see Ehrlich, D.J.* 1-46067  
**Deutscher, G.** *see Barkai, M.* 1-35958  
**Deutschmann, A.**, Haass, W.-D. TENODAT 9000—the TN system family for data communication 1-47433  
**Deutschmann, M.**, Strucinski, W., Fabjan, C.W., Willis, W., Gavrilenco, I., Maiburov, S., Shmeleva, A., Vasiljev, P., Tchernyatyn, V., Dolgoshin, B., Kantserov, V., Nevski, P., Sumarokov, A. Particle identification using the angular distribution of transition radiation 1-34480  
**Deutschmann, M.** *see Ludlam, T.* 1-34481  
**Devarajan, V.** Channel error propagation in predictive adaptive differential pulse code modulation (DPCM) coders 1-37520  
**Devasirvatham, D.M.J.** *see Baxter, R.A.* 1-28888  
**Deveaud, B.**, Toulouse, B. Observation of very deep levels by optical DLTS 1-27829  
**Deveaud, B.** *see Favennec, P.N.* 1-32750  
 Deventer, R. *Van see Van Deventer, R.*  
**Devgan, S.S.** Electrical and electrochemical trees in cable insulation 1-43716  
**Devi, B.B.**, Sarma, V.V.S. Vowel recognition using fuzzy set concepts 1-33569  
**Devich, R.N.**, Weinhaus, F.M. Image perspective transformations 1-47245  
**Devieux, C., Jr.**, Jones, M.E. A practical optimization approach for QPSK/TDMA satellite channel filtering 1-37875  
**Devieux, C.L., Jr.** *see Board, J.E.* 1-29690  
**Devine, C.W.**, Drennen, F.M. 'Pseudo-megger' quickly pinpoints bad insulators 1-49144  
**DeVine, J.C.** A progress report: cleaning up TMI 1-35014  
**Devine, W.D., Jr.** *see Reister, D.B.* 1-34975  
**Devins, J.C.** *see Rzaad, S.J.* 1-36703  
**DeVito, B.** *see Allinger, J.* 1-43104  
**DeVito, B.** *see Allinger, J.E.* 1-43103  
**DeVivo, M.J.** *see Wilson, T.L.* 1-43369  
**Devjatykh, G.G.** *see Andreev, A.T.* 1-36870  
**Devlin, D.E.** *see Armstrong, J.R.* 1-46250  
**Devlin, S.S.** Some considerations in planning vehicle electronic information and control systems 1-39197  
**Devlin, W.J.**, Walling, R.H., Fiddymont, P.J., Hobbs, R.E., Murrell, D., Spillet, R.E., Stevenson, A.G. Low threshold channelled-substrate buried crescent InGaAsP lasers emitting at 1.54  $\mu$ m 1-51454  
**Devlyatova, B.** *see Baukov, N.A.* 1-35172  
**Devoldere, J.A.** *see de Munck, H.* 1-32449  
**Devoldere, P.** *see Bouley, J.C.* 1-41080  
**DeVries, R.L.** Product design for precision and purity 1-30144  
**Devyatkov, N.D.** Thermovision: its possibilities and prospects 1-38481  
**Devyatkov, N.D.**, Didenko, A.N., Zamyatina, L.Ya., Razin, S.V., Yushkov, Yu.G. Formation of powerful pulses with accumulation of UHF energy in a resonator 1-45608  
**Dew-Hughes, D.** Critical currents at high fields in Nb<sub>3</sub>Al multifilamentary wires 1-28280  
**Deval, M.** *see Yajurvedi, V.P.* 1-39086  
**Deval, M.L.**, Gupta, S.C., Gupta, B., Sharma, J.D. Analog/digital circuits for protection of HVDC thyristor valves 1-49172  
**Dewald, W.** *see Kutscher, J.* 1-52782  
**Dewan, S.B.** Optimum input and output filters for a single phase rectifier power supply 1-44210  
**Dewan, S.B.**, Mirbod, A. Microprocessor-based optimum control for four-quadrant chopper 1-39057  
**Dewan, S.B.** *see Joshi, A.* 1-39058  
**Dewan, S.B.** *see Showleh, M.* 1-51631  
**Dewilde, P.**, Dym, H. Lossless chain scattering matrices and optimum linear prediction: the vector case 1-36035  
**Dewilde, P.**, Dym, H. Schur recursions, error formulas, and convergence of rational estimators for stationary stochastic sequences 1-51760  
**Dewilde, P.** *see Van Dooren, P.M.* 1-32125  
**DeWill, R.G.**, Skelton, R.L. The digital network in the rural environment 1-29569  
**Dewinter, J.C.** *see Kaminow, I.P.* 1-33230  
**DeWispelaar, A.R.** *see Stafford, K.A.* 1-44450  
**DeWitt, R.** *see Cotten, W.* 1-42251  
**Dexter, K.F.** *see Alder, C.J.* 1-41021  
**Dey, A.**, Singh, M., Saha, G.M. Efficiency balanced block designs 1-39537  
**DeYoung, R.J.** Kilowatt multiple-path <sup>3</sup>He-<sup>4</sup>He nuclear-pumped laser 1-28615  
**Deyst, J.J.**, Kanazawa, R.M., Pasquenza, J.P. Sensor validation: a method to enhance the quality of the man/machine interface in nuclear power stations 1-34992  
**Deza, M.** On permutation cliques 1-27011  
**Deza, M.**, Singhi, N.M. Some properties of perfect matroid designs 1-27012  
**Deza, M.** *see Cohen, G.* 1-33563  
**Dhaens, F.**, Herremans, W. A project laboratory experiment on digital electronics 1-35574  
**Dhar, A.** *see Chakravarti, A.N.* 1-50769  
**Dhar, A.** *see Jamwal, K.K.S.* 1-32893, 1-38278  
**Dharamsi, A.N.**, Tulip, J. Contact charge-transfer lasers 1-51354  
**Dhariwal, S.R.**, Kothari, L.S., Jain, S.C. On the recombination of electrons and holes at traps with finite relaxation time 1-40377  
**Dhariwal, S.R.**, Mathur, R.K., Gadre, R. Voltage reduction in a non-uniformly illuminated solar cell 1-49692  
**Dharmadikari, A.D.** *see Gopalan, M.N.* 1-50054  
**Dhawan, S.** Introduction to microchannel plate photomultipliers 1-32585  
**Dhawan, S.K.** *see Seely, M.L.* 1-43165  
**Dhekane, S.B.** *see Mukherjee, A.* 1-30388  
**d'Heurle, F.** *see Norde, H.* 1-40449  
**Dhillon, B.S.** Network reliability evaluation: application of bathtub failure rate curve 1-31902  
**Dhillon, B.S.** Life cycle cost: a survey 1-50049  
**Dhong, S.H.**, Gheewala, T. A Josephson DC-powered latch 1-40851  
**D'Hoore, F.** *see Del Alamo, J.* 1-49695  
**di Caporiaco, G.** *see Bocciolini, M.* 1-38443

- Di Cataldo, G.**, Fortuna, L., D'Antone, I., Nun-nari, G. About low-frequency digital filter realization by means of a microcomputer 1-27529
- Di Cesare, P.** *see* Basile, M. 1-43250, 1-43251
- Di Filippo, P.** *see* Cesini, G. 1-28799
- di Forte Poisson, M.-A.** *see* Wallis, R.H. 1-50788
- di Forte-Poisson, M.A.** Effect of introducing oxygen during the growth of gallium-aluminium arsenide by the organometallics method 1-50289
- di Giulio, M.** *see* Capozzi, V. 1-45966
- Di Giuseppe, M.A.** *see* Chin, A.K. 1-51290
- Di Lena, G.**, Peluso, R.I. On the convergence of the method of successive approximation in  $R^1$  1-45030
- Di Lieto, A.**, Minguzzi, P., Tonelli, M. A  $CO_2$  waveguide laser for saturation optoacoustic spectroscopy 1-28623
- Di Marco, R.** *see* Hoffman, K.F. 1-43810
- Di Marco, R.R.** *see* Hoffman, K.F. 1-48989
- Di Napoli, A.** *see* Chiricozzi, E. 1-53486
- Di Paola, R.** *see* Kahn, E. 1-48687
- Di Paolo, A.** *see* Cordella, L.P. 1-47219
- Di Porto, P.** *see* Crosgnani, B. 1-51187, 1-51209
- Di Vita, P.** *see* Calzavara, M. 1-46510
- Di Zitti, E.** *see* Bisio, G.R. 1-53552
- Diaconescu, E.N.**, Graur, A.G., Croitoru, V.G., Mandici, L.G., Sfichi, R. Studies and trials on the wind rotor with horizontal axis and plane blades 1-49375
- Diaconu, S.** *see* Stein, M. 1-43485, 1-49075
- Diaconu, St.** *see* Le Quang Khue 1-38678
- Diamant, Y.Y.** *see* Herapath, R.G. 1-53303
- Dian-lin Zhang** *see* Zhang Dian-lin
- Diano, B.** *see* Bonaventura, G. 1-29728
- Dianov, E.M.**, Zakhidov, E.A., Karasik, A.Ya., Mamyshv, P.V., Prokhorov, A.M. Induced four-photon parametric processes in glass fibre waveguides 1-46533
- Dianov, E.M.** *see* Andreev, A.T. 1-36870
- Dianov, E.M.** *see* Andreev, A.Ts. 1-28478
- Dianov, E.M.** *see* Artyushenko, V.G. 1-28421
- Dianov, E.M.** *see* Belanov, A.S. 1-51206
- Dianov, E.M.** *see* Belovolov, M.I. 1-37942
- Dianova, V.A.** *see* Blinova, G.V. 1-33186
- Dianyuan, F.**, Yu Wenyan A two-pass three-channel slab amplifier 1-51421
- Dianyuan Fan** *see* Fan Dianyuan
- Dias, A.G.** *see* Martins, R. 1-45897
- Dias, D.M.**, Jump, J.R. Analysis and simulation of buffered delta networks 1-29234
- Dias, J.** Fleming *see* Fleming Dias, J.
- Dias, M.**, Evans, F.I. Algorithm for sampled data signal flow graphs 1-33601
- Diaz, A.F.** Use of thiophene polymer films for display applications 1-46576
- Diaz, L.F.**, Glaub, J.G., Trezek, G.J. Laboratory evaluation of the impact of drying and screening on refuse-derived fuel quality 1-53279
- Diaz Arrivallaga, A.**, Kreuzer, H. The El Cajon hydro project in Honduras. I 1-31086
- Diaz-Guerra, C.** *see* del Pozo, M. 1-29291
- Dibelius, G.** Gas turbine acceptance tests, critical observations 1-31046
- Dibelius, G.**, Pitt, R., Ziemann, M. The gas turbine in the melee of technological and economic developments 1-35063
- Dibeneditto, J.**, Uhler, A., Jr. Frequency dependence of 50- $\Omega$  coaxial open-circuit reflection standard 1-52421
- Diberder, F.** *see* Le Le Diberder, F.
- Dick, B.H.** *see* Burrows, B.W. 1-31409
- Dick, C.E.**, Motz, J.W. Utilization of monoenergetic X-ray beams to examine the properties of radiographic intensifying screens 1-38244
- Dick, G.J.** *see* Ben-Zvi, I. 1-48428
- Dick, G.J.** *see* Delany, J.R. 1-28412
- Dick, W.K.** *see* Sverak, J.G. 1-38797
- Dickerson, B.** New generation instruments 1-47878
- Dickerson, P.J.**, Kuster, K.H. GTD-5 EAX power supplies 1-29538
- Dickey, F.M.**, White, J.R., Allen, R.H., Sledge, R.L. A common collimator approach to alignment and performance testing of laser ranger/designators and thermal imaging systems 1-46596
- Dickie, A.A.** Computer-assisted design of PROM-controlled state-machine circuits for logical applications 1-36208
- Dickie, J.W.** *see* Miller, J.L. 1-51389
- Dickinson, B.** *see* Klein, J. 1-41757
- Dickinson, B.W.** Properties and applications of Gaussian autoregressive processes in detection theory 1-41636
- Dickinson, J.M.** *see* Meier, K.L. 1-30518
- Dickinson, T.**, Rheame, R.H. RF power systems for the National Synchrotron Light Source 1-48367
- Dickman, R.L.**, Wilson, W.J., Berry, G.G. Super-Schottky mixer performance at 92 GHz 1-54645
- Dickman, R.L.** *see* Silver, A.H. 1-28324
- Dickmann, W.** Internal lighting protection-protective measures and devices for electronic apparatus and equipment 1-38805
- Dickopp, A.** Heat pumps for industrial water heating. Study of the utilization of waste paper 1-44486
- Dickopp, A.** *see* Decker, E. 1-49823
- Dicks, J.L.** *see* Pontano, B.A. 1-47635
- Dicks, J.L.** *see* Prasanna, S. 1-47637
- Dickson, G.J.** Formal specification technique for data communication protocol X.25 using processing state transition diagrams 1-47261
- Dickson, L.D.** Scan angle multiplication in a holographic scanner 1-33290
- Dickson, L.D.** Correction of astigmatism for off-axis reconstruction beam holographic deflector 1-37226
- Dickson, L.D.**, Walsh, W.J. Scanner with tandem stationary holographic discs 1-28795
- Dickson, R.E.** Approximations for  $Z[G(s)F(s)]$  adjusted for unit step response via residues 1-40141
- Didenko, A.N.**, Bistritsky, V.M., Krasik, Ya.E., Matvienko, V.M., Tolmacheva, V.G., Tolopa, A.M. Generation of high power ion beams in ballistic focusing diodes 1-48558
- Didenko, A.N.**, Borisov, A.R., Fomenko, G.R., Kozvenikov, A.V., Melnikov, G.V., Stein, Yu.G., Zerlitsin, A.G. Free electron lasers based on high current electron beam 1-46664
- Didenko, A.N.** *see* Bystritskii, V.M. 1-28652, 1-37088
- Didenko, A.N.** *see* Devyatkov, N.D. 1-45608
- Didenko, A.N.** *see* Gleizer, I.Z. 1-27758
- Dides, R.**, Gorria, J.M. Recent progress in high-power transformers 1-31300
- Didier, G.** *see* Triboulet, R. 1-39736
- Diebels, W.-D.** *see* Muschick, E. 1-48947
- Diebold, J.** Interactive videotex: the promise and the present 1-29406
- Dieffenbacher, G.W.** *see* Stubin, R.J. 1-32519
- Diehl, R.**, Graser, U. Energy calibration of organic scintillation detectors for gamma rays 1-48616
- Diehl, W.** *see* Wiesemann, W. 1-48880
- Diehr, G.**, Moortgat, H. Mathematical programming in cluster analysis 1-35864
- Diekema, A.**, Engel, L.H.M., Goltstein, G.A.M., Matthijse, P., Versluis, J.W. Comparative measurements regarding the attenuation of optical fibres for the Eindhoven-Helmond field trial 1-28492
- Diels, J.-C.**, Fontaine, J.J., Sallaba, H. High spatial resolution TDR applied to fibre-optic connections 1-40937
- Diels, J.-C.**, McMichael, I.C. Influence of wave-front-conjugated coupling on the operation of a laser gyro 1-37180
- Diels, J.-C.**, Menders, J., Sallaba, H. Generation of coherent pulses of 60 optical cycles through synchronization of the relaxation oscillations of a mode-locked dye laser 1-28676
- Diemar, W.** *see* Bretthauer, K. 1-44117
- Dieminger, W.** Field strength variation approaching the short-wave skip distance zone 1-37310
- Dienger, G.**, Bialojan, B. Electronic engine control for commercial aircraft 1-48829
- Dierckx, P.** *see* Suetens, P. 1-45032
- Dierich, P.** *see* Baudry, A. 1-42366
- Dieringer, H.** *see* Miskin, L. 1-28112, 1-45570
- Diesendorf, M.** *see* Haslett, J. 1-49385
- Diessner, A.**, Emberger, G. High-voltage site testing of SF<sub>6</sub> insulated switchgear 1-35279
- Dieter Ambos, H.**, Geltman, E.M., Fukuyama, O., Roberts, R. Infarct size a determinant of the rate of evolution and disappearance of electrocardiographic manifestations 1-48731
- Dietl, T.** *see* Dubowski, J.J. 1-40404
- Dietmeyer, D.L.**, Kime, C.R. A bit-sliced computer design laboratory 1-35577
- Dietrich, B.**, Mensing, R. Quality protection [raster electron microscope] 1-45884
- Dietrich, E.** Linear diode arrays as optical sensors for noncontacted speed measurement and distance-travelled measurement 1-48236
- Dietrich, H.B.** *see* Anderson, W.T., Jr. 1-36528
- Dietrich, H.B.** *see* Slegler, K.J. 1-50934
- Dietrich, I.** *see* Lefranc, G. 1-45888
- Dietrich, M.**, Frank, H., Kucera, J. 7MV outdoor pulse voltage generator for the extra-high voltage test laboratory of the Prague Energetics Institute 1-53148
- Dietrich, M.**, Spiegelberg, J. Alternating voltage test plants for 750-2250 kV in a new conception 1-53510
- Dietsch, H.** Design of a decentralized multi-microcomputer system for data acquisition in a clinical laboratory 1-30403
- Dietterle, R.E.** *see* Lao, B.Y. 1-46375
- Dietz, H.** Influence of the penetration of electrons into the anode material and of the rotational frequency upon the permissible loading of X-ray rotating anodes 1-38466
- Dietz, H.** *see* Bauer, E. 1-34913
- Dietz, M.** A monorail transporter for control and feeding of a welding robot 1-31733
- Dietze, W.T.**, Ludowise, M.J., Cooper, C.B. Improved mobility in OM-VPE-grown Ga<sub>1-x</sub>In<sub>x</sub>As 1-50775
- Dieudonne, J.** History of functional analysis 1-31925
- Dieulesaint, E.**, Royer, D., Sitbon, G. Acousto-optic position sensor 1-34378
- Dieumegard, D.** Ion sputtering and etching technologies 1-27157
- Diffey, B.** *see* Stobbart, D. 1-30474
- DiFonzo, D.F.** *see* Krichkevsky, V. 1-47007
- DiFonzo, D.F.** *see* Persinger, R.R. 1-46927
- Diggle, R.**, Dineley, J.L. Generator works testing—sudden short circuit or standstill variable frequency response method 1-49415
- DiGioia, A.M.** *see* Goodwin, E.J. 1-34901
- DiGioia, A.M., Jr.** *see* Goodwin, E.J., III 1-43734
- DiGiuseppe, M.A.** *see* Temkin, H. 1-51288
- Digonnet, M.** *see* Bergh, R.A. 1-46550
- Dijkhuis, J.L.**, Kerkdijk, C.B.W. Upgrading of coal using cryogenic HGMS 1-41198
- Dikansky, N.** *see* Kells, W. 1-48527
- Dikarev, V.A.** Waves in multimode systems with 'turning points' 1-41264
- Dikchys, G.** *see* Bareika, B. 1-28699, 1-28785, 1-28787
- Dike, G.** *see* Wallenberg, R. 1-33371
- Dikhtyar, V.B.** Structure of the stochastic oscillations of self-oscillators with delay in the strong coupling regime 1-50446
- Dikhtyar, V.B.**, Kislov, V.Ya. Self-modulation mechanism of stochastic oscillations in oscillators with delay 1-32228
- Diki, V.N.** *see* Babenko, A.I. 1-47025
- Dikov, Y.P.**, Perelygin, V.P. Low-sensitivity glass track detectors 1-30367
- Dilbeck, R.A.**, Davis, T.J. An eddy current system for high-speed inspection of M-16 cartridge cases 1-32113
- Dilinger, H.** *see* Miskin, L. 1-32202
- Dill, F.H.** Strategy for measurements in semiconductor manufacturing 1-50852
- Dill, G.D.** Low-speed TDMA for interplant business telecommunications 1-29716
- Dill, G.D.** Low-cost TDMA for the INTELSAT system 1-47644
- Dill, G.D.** Microprocessor advances yield economical TDMA terminals 1-52084
- Dill, G.D.**, Jenkins, G.C. TDMA in the Dow Jones & Company Inc. satellite communications network 1-29699
- Dill, H.** *see* Drori, J. 1-28127
- Diller, T.C.** A linguistic approach to speech recognition 1-29126
- Diller, T.C.**, Siebenand, J.F. Speaker-independent word recognition using sex-dependent clustering 1-37455
- Dilley, M.J.**, Manning, D.J. The power requirements of the programme chain [TV and radio broadcasting] 1-42382
- Dilley, R.S.** *see* Bendick, P.J. 1-43328
- Dillier, N.**, Guntensperger, J., Spillmann, T. A computer-controlled test system for electrical simulation of the auditory nerve of deaf patients with implanted multielectrodes 1-38521
- Dillmann, P.** *see* Otto, H. 1-34559
- Dillon, B.C.** Multiperson sensor 1-30568
- Dillon, C.** Sensitivity considerations in cascaded lattice-type quadrature-modulation networks 1-45338
- Dillon, T.S.** Rescheduling, constrained participation factors and parameter sensitivity in the optimal power flow problem 1-38687
- Dillon, T.S.** Rescheduling, constrained participation factors and parameter sensitivity in the optimal power flow problem 1-43538
- Dillow, C.** *see* Baker, C.C. 1-35016
- Dillow, J.W.** Standardisation without stagnation: a user point of view [substation control and protection software] 1-49000
- Dilorenzo, J.V.** *see* Cox, H.M. 1-27134
- DiLorenzo, J.V.** *see* Wemple, S.H. 1-40588
- Dilworth, I.** Synthesized speech on GB3CE [amateur radio] 1-52049
- Dilworth, I.J.**, Evans, B.G. Propagation measurements due to rain and ice using the OTS satellite over the period January 1979-May 1980 1-33339
- Dilworth, I.J.**, Evans, B.G., Upton, S.A.J. Propagation measurements along a slant satellite path using the OTS satellite 1-46909
- Dima, A.F.** *see* Prime, J.B., Jr. 1-49116
- DiMarcello, F.V.**, Brownlow, D.L., Shenk, D.S. Strength characterization of multikilometer silica fibers 1-36900
- DiMaria, D.J.**, DeMeyer, K.M., Dong, D.W. Dual-electron-injector-structure electrically alterable read-only-memory modeling studies 1-51019
- DiMaria, D.J.**, DeMeyer, K.M., Serrano, C.M., Dong, D.W. Electrically-alterable read-only-memory using Si-rich SiO<sub>2</sub> injectors and a floating polycrystalline silicon storage layer 1-50948
- DiMaria, D.J.** *see* Ephrath, L.M. 1-46079
- Dimbrovskii, Yu.V.** *see* Lakh, V.I. 1-50635
- Dimitriev, Y.**, Gattef, E., Eneva, A. Bipolar threshold switching in vanadate glasses 1-40531
- Dimitrikov, V.F.** Influence of voltage drop at transistors and diodes on the spectral composition of key oscillators with an improved form of output voltage 1-45323
- Dimitroff, M.**, Entress, G. As to the test point introduction for diagnostic means 1-31868
- Dimitrov, Ch.M.** *see* Bondrachek, G.I. 1-32480
- Dimitrov, K.I.** *see* Lilov, D.N. 1-49775

- Dimitrov, M. *see* Minchev, P. 1-35513
- Dimo, P., Constantinescu, J., Pomarleanu, M., Ion, R., Ion, N. Determination of the dynamic behaviour of the power system over large intervals of time, following successive perturbations in the system 1-30600
- Dimond, K.R. *see* Smith, S.D. 1-42013
- Dimopoulos, D. Pricing schemes for regulated enterprises and their welfare implications in the case of electricity 1-52984
- Dimov, V.V. *see* Stefanov, P.S. 1-46404
- Dimova, D.I. *see* Stoyanov, V.E. 1-28576
- Dimova, V.Ts. *see* Ivanova, E.S. 1-46188
- Dinaburg, L.B. *see* Bondarenko, V.I. 1-28367
- Dinaburg, L.D. *see* Ageyev, A.I. 1-42866
- DiNardo, R.P. *see* Blewett, J.P. 1-51299
- Dindosova, D. *see* Skalny, J. 1-27741
- Dineley, J.L., Dineley, M.G. Microprocessors for power system applications: teaching and research 1-49002
- Dineley, J.L. *see* Diggle, R. 1-49415
- Dineley, M.G. *see* Dineley, J.L. 1-49002
- Dinella, D. *see* Beckenbaugh, W.M. 1-50687
- Dineson, M.A. Broadband local networks enhance communication design 1-41955
- DiNetta, L.C. *see* Bragagnolo, J.A. 1-49690
- Dinev, D.C., Enchevich, I.B. On the beam interaction with the accelerating systems in cyclic accelerators 1-48493
- Ding Shou-Qian The theoretical analysis and calculation on the parameters of magnetic deflection fields 1-41191
- Ding-fen Wu *see* Wu Ding-fen
- Dinges, H.W. An ellipsometric study of  $\text{SiO}_2/\text{Si}_3\text{N}_4$  double layers on silicon produced by chemical vapour deposition 1-35970
- Dingle, R. *see* Petroff, P.M. 1-45972
- Dingle, R. *see* Weisbuch, C. 1-40390
- Dinkel, A.D. *see* Vasil'ev, B.V. 1-31750
- Dinkel, J. *see* Wolff, D. 1-48286
- Dinn, N.F. Digital radio: its time has come [radiotelephony] 1-33921
- Dinneen, G.P. The status of major  $\text{C}^3$  programs [military systems] 1-51905
- Dinsel, S. Stereophonic sound and two languages in TV, the double sound carrier method 1-29835
- Dinsmore, S.H. A tester for heads, discs, and read/write channels 1-42518
- Dinstein, I., Silberberg, T. Shape discrimination with Walsh descriptions 1-29106
- Dintelmann, F. 12-GHz slant-path propagation measurements 1-28897
- Dintelmann, F. Analysis of 11 GHz slant path fade duration and fade slope 1-28905
- Dinwiddy, S. *see* Lundquist, L. 1-47622
- Dionne, G.F. Metal mirrors for far-infrared wavelengths 1-29756
- DiPlacido, J.N. *see* McElroy, A.J. 1-30623
- Director, S.W., Parker, A.C., Siewiorek, D.P., Thomas, D.E., Jr. A design methodology and computer aids for digital VLSI systems 1-45395
- Director, S.W., Parker, A.C., Siewiorek, D.P., Thomas, D.E. The Carnegie-Mellon University design automation system: current status and future direction [digital VLSI CAD] 1-45410
- Director, S.W. *see* Lightner, M.R. 1-27205, 1-46207
- Director, S.W. *see* Maly, W. 1-46233
- Director, S.W. *see* Vidigal, L.M. 1-45176
- Dirks, D.D. *see* Gilman, S. 1-52291
- Dirks, H. *see* Erwe, R. 1-40559
- DiRosa, D.A. *see* Harlow, C.A. 1-43462
- DiSciascio, N. *see* Dodero, G. 1-43937
- Dishaw, J.P. *see* Kokkonen, K. 1-32305
- Dishkov, P.S., Batev, K.P., Khristanov, Kh.A. Two hybrid integrated circuits for the needs of the medical industry 1-48745
- Dishman, J.M. *see* Wilson, T.G., Jr. 1-53546
- Dishon, Y. *see* Desai, R. 1-29089
- Disney, R.L., McNickle, D.C., Simon, B. The M/G/1 queue with instantaneous Bernoulli feedback 1-26985
- Dissanayake, A.W., Haworth, D.P., Watson, P.A. Analytical models for cross-polarization on earth-space radio paths for frequency range 9-30 GHz 1-28876
- Dissanayake, A.W. *see* McEwan, N.J. 1-28898, 1-46899
- DiStefano, T.H. Integrated device for optical edge detection 1-52466
- DiStefano, T.H. *see* Av-Ron, M. 1-40466
- Dite, A.F. *see* Egorov, V.D. 1-46624
- Ditl, A. The question of digitalising television signals—problems and suggested solutions 1-51766
- Dittel, V. Compandor systems improve the tone quality [radio broadcasting] 1-34029
- Dittmar, E. Combined analogue and digital. III 1-39141
- Dittmer, H.-J., Holy, F.-J., Konig, H.-H., Peter, F. Investment and operating costs of combined heating and power plants 1-53256
- Dittrich, A. The future of central warm water supply 1-43896
- Dittrich, H. ST 6000—a hi-fi top-performance tuner of the Slimline series 1-42390
- Dittrich, H., Ernst, G., Wurz, D. Models for the calculation of operational performance and of emissions from natural draught cooling towers 1-30954
- Dittrich, W. Consequences of inequality in the field of electromechanics—an attempt to contribute to a universal technical-scientific principle 1-28829
- Ditzenberger, J.A. *see* Tsang, W.T. 1-51442
- Diver, K.J., Swan, D.W. Computer-aided design and engineering of System X exchanges 1-29543
- Divin, G.D., Ivanushkina, L.V., Korolev, V.I., Sedov, B.M. Increasing the efficiency of laser radiation amplifiers 1-33210
- Divine, C.H. Stored program control—PBX fountain of youth 1-37827
- Divjak, A.A. *see* Bailey, J.R. 1-39896
- Divjak, T.L. Satellite broadcasting and the interests of the country 1-47598
- Divsalar, D., Omura, J.K. Effects of ISI on Viterbi decoding 1-33526
- Diwan, S.G. *see* Peshwe, V.B. 1-30552
- Dix, J.F. *see* Harland, E.J. 1-42349
- Dixit, B.S., Bulpitt, W.S. Economics of wood energy systems for industries 1-31155
- Dixit, P.S., Rao, P.K., Bhonsle, R.V., Sethia, G., Deshpande, M.R., Chandra, H. Phase and field measurements at VLF, LF and HF during the solar eclipse of February 16, 1980—preliminary results 1-51599
- Dixon, A.J., Von Engel, A. Studies of field-emission gallium ion sources 1-38401
- Dixon, C.G. Ham TV micro 1-38026
- Dixon, F.W. *see* Montgomery, J.D. 1-33055, 1-46556
- Dixon, G.F.L. Computer-aided network management 1-43583
- Dixon, G.F.L. *see* Atkinson, G.D. 1-49199
- Dixon, M., Dean, B.A. Aging of the light-current characteristics of proton-bombarded AlGaAs lasers operated at 30°C in pulsed conditions 1-37164
- Dixon, M. *see* Alder, C.J. 1-41021
- Dixon, N.R., Silverman, H.F. What are the significant variables in dynamic programming for discrete utterance recognition? 1-41568
- Dixon, P.G. Automatic continuity of positive functionals on topological involution algebras 1-31916
- Dixon, P.G. Principles of analogue modulation. I 1-41480
- Dixon, R. *see* Merz, W. 1-42971
- Dixon, R.W. *see* Ippen, E.P. 1-28734
- Dizon, F.S., Thompson, R.J., Whitaker, B.W. Ti-Pt-Au conductors/Ta<sub>2</sub>N resistors for precision microwave applications 1-45808
- Djakov, A.E. *see* Kalitzova, M.G. 1-27789
- Djamasishvili, S.I. *see* Tsulaya, M.I. 1-48658
- Djaoua, M. A method of calculation of lifting flows around two-dimensional corner-shaped bodies 1-39721
- Djebane, A., Fannin, D.R. Verification of the Kalman conjecture for systems containing numerator dynamics 1-50533
- Djordjevic, A.R. *see* Popovic, B.D. 1-41376
- Diabab, M.L., Eden, J.G. Gain and transient absorption profiles for the iodine monofluoride 490-nm and iodine monochloride 430-nm bands under discharge excitation 1-28617
- Dlodlo, T.S. Bistable mirrors for self-pulsing lasers 1-46765
- Dmitrevsky, Yu.P. *see* Ageyev, A.I. 1-42866
- Dmitriev, A.B. *see* Mis'kevich, A.I. 1-33189
- Dmitriev, G.I. *see* Kadochnikov, A.I. 1-36010
- Dmitriev, I.S. *see* Venikov, N.I. 1-48456
- Dmitriev, M.A. Electronic integrator 1-27374
- Dmitriev, V.G., Kazakov, A.A., Shalae, E.A. Single-pulse YAG:Nd<sup>3+</sup> laser emitting at 1.318  $\mu$  1-51430
- Dmitriev, Yu.V. *see* Vasil'ev, Yu.A. 1-28583
- Dmitrieva, E.N., Pushnaya, I.V. Analysis of voltage quality criteria allowing for mutual interaction between electricity consumers through the mains 1-34859
- Dmitrieva, E.N. *see* Avilov-Karnaikhov, B.N. 1-43629
- Dmitriyevsky, V.P. *see* Voroshnov, S.B. 1-42810
- Dmitriyev, V.F., Murav'ev, E.I., Ostrovskii, M.Ya. Method for calculating steady state of vibration inverter 1-44220
- Dmitriyev, V.I. *see* Rodimov, A.P. 1-42164
- Dmitrov, V.M. *see* Basov, Yu.G. 1-31649
- Dmowski, A. Thyristor DC power transmission systems 1-43648
- Do, Q.H. *see* Besset, D. 1-42776
- Doar, H.E. Application of DC control power for switchgear 1-39101
- Dobberpuhl, D.W. *see* Olsen, R.E. 1-32312
- Dobberstein, E.A. Auto-pre-regulating converter with surge control 1-27263
- Dobbins, L. *see* Corsover, S. 1-42544
- Dobbs, M.E. *see* Sharp, W.E. 1-30547
- Dobkin, R.C. *see* Palmer, C.R. 1-27287
- Doble, J.E. Interference on microwave digital radio links due to transhorizon propagation 1-37305
- Dobner, B.A., Zhukov, V.K., Tolmachev, I.I. A straight-through eddy-current transducer with rotating azimuthal nonuniformity of the field 1-38185
- Dobos, J. *see* Borsik, J. 1-31920
- Dobosiewicz, J. Assessment of the technical condition of generator shafts 1-38948
- Dobosiewicz, J., Rauszer, A. Fatigue corrosion of steam boiler parts 1-30997
- Dobosz, S. Trunk communication subsystem of coded intercom 1-29290
- Dobosz, S. Intercom system for large radio and television centres 1-47335
- Dobre, M., Florea, G., Tighel, S. Calculation of the electrostatic field on the surface of aerial electric power-line conductors. III. Calculation of electrostatic field on the surface of conductors in a bunch of aerial electric lines at very high voltage 1-53103
- Dobre, M., Iova, I. Hollow cathode effect in a coaxial cylinders geometry, with monoatomic gas 1-32538
- Dobre, V. *see* Canciu, L. 1-49450
- Dobrescu, S. Rebuilding of the Bucharest FN tandem after the earthquake of March 1977 1-42846
- Dobronovskii, V.D. *see* Tolkunov, V.P. 1-44059
- Dobroszewski, R., Janischewsky, W. Performance of a circuit for display of pulses associated with gas discharges 1-43806
- Dobrovicescu, A. *see* Radcenco, V. 1-31689
- Dobrowski, J. The design of microstrip lines 1-40203
- Dobrowski, J. Equivalent circuits of microstrip discontinuities in microwave integrated circuit design 1-51641
- Dobrowski, M. A mixed finite element method for solving the nonstationary Stokes equation 1-32030
- Dobrozemsky, R. *see* Stratowa, C. 1-38411
- Dobroski, A.J. Planning considerations for rural networks 1-33747
- Dobryak, D.S. A method of construction of a model of atmospheric radio interference 1-37329
- Dobryak, D.S., Petrova, L.G. Probability characteristics of the flux of ULF atmospheric radio noise surges 1-33362
- Dobrzanski, M.M. *see* Aleksiejuk, M. 1-48909
- Dobrzynski, L. *see* Tsulaya, M.I. 1-48658
- Dobson, P. The next microchip revolution 1-40650
- Dobyns, T., Gupta, S., Ridings, R., Lindstrom, R., Hoover, P. Simplified TDMA terminal 1-47640
- Dochat, G., Moynihan, T., Dahr, M. 1-kWe free-piston Stirling engine/linear alternator test program 1-31216
- Dockerty, R.C. Sidewall silicon dioxide charge level detector 1-50943
- Dockerty, R.C., Scheuerlein, R. Self-aligned contact 1-46040
- Dockerty, R.C. *see* Baran, A.S. 1-28111
- Doctor, P.G., Harrington, T.P. Analysis of eddy current data using pattern recognition methods 1-30918
- Dod, L. *see* Afifi, M. 1-51732
- Dodds, T.H. *see* Sverak, J.G. 1-38797
- Dodel, H. *see* Messerschmid, E. 1-29706
- Dodero, G., DiSciascio, N. Specify steam-plant control valves and actuators to match service need 1-43937
- Dodge, W.R. *see* Bertsch, D.L. 1-48607
- Dodoo, J.N.D. *see* Llanwyn Jones, D. 1-46859
- Dodson, D.J., Brunsman, M.D., Kerr, R.W. Injection locked SAW oscillators 1-36777
- Dodson, D.J., Huang, M.Y., Kagiwada, R.S. Fast hopping SAW frequency synthesizer 1-29653
- Dodson, D.J., Lau, K.F., Huang, M.Y., Lukaszek, T.J. SAW stabilized radiosondes 1-46374
- Dodu, J.C. Dynamic long-term optimization model of an electric power transmission network 1-34815
- Dodu, J.C., Marechal, P. A model for determining the optimal location of generation facilities: the Tassili model 1-30656
- Dodu, J.C., Marechal, P. A model for optimum siting of electric power generating units: the TASSILI model 1-34969
- Dodunekov, S.M., Iorgov, V.I. Distribution of weights of irreducible cyclic codes and strongly regular graphs 1-29097
- Doe, P.J. *see* Chen, H.H. 1-34434
- Doemens, G. Hybrid video image processing for automated position detection of integrated circuits in wire bonding system 1-32523
- Doemens, G. Automation of sight checks 1-50026
- Doepken, H.C., Jr., McKean, A.L., Singer, M.L. Treering, insulation material, and cable life 1-43705
- Doerbeck, F.H., Yuan, H.T., McLevige, W.V. Fabrication and high temperature characteristics of ion-implanted GaAs bipolar transistors and ring-oscillators 1-36672
- Doerbeck, F.H. *see* Macksey, H.M. 1-36629
- Doerbeck, F.H. *see* Scott, B.N. 1-27624
- Doering, R., Lee, I. A computerized bench-top blood chemistry analyzer 1-34617

- Doering, R.D.**, Hosni, Y.A. Total energy plant—simulation model 1—34810
- Doerries, E.M.** *see* Bowden, M.J. 1—45799
- Doessegger, H.** Development tests and type testing of HGF 100 type SF<sub>6</sub> circuit breakers 1—31372
- Dogliotti** *see* Artom, A. 1—29490
- Dogliotti, R.** *see* Artom, A. 1—29338, 1—51990
- Dogliotti, R.** *see* Catania, B. 1—38469
- Dohan, D.** *see* Baartman, R. 1—48338
- Dohi, Y.**, Kunieda, T., Okumura, F. Active compensation with active one-port impedance 1—32344
- Dohler, G.** On the stability of hollow beams in PPM focused TWTs 1—32556
- Dohler, G.H.** *see* Kunzel, H. 1—27796
- Dohler, G.H.** *see* Ploog, K. 1—40438
- Dohler, G.H.** *see* Powell, M.J. 1—27877
- Dohler, R.** Fisher's information matrix in independent sequential sampling 1—39559
- Dohler, R.** Dominatability and sufficiency in sequential analysis 1—50123
- Dohse, L.J.** *see* Beyers, J.W. 1—32310
- Dohsen, M.**, Kasahara, J., Kato, Y., Watanabe, N. GaAs J-FET formed by localized Zn diffusion 1—46152
- Dohsen, M.** *see* Kasahara, J. 1—51014
- Doi, N.** Public cryptosystems 1—33809
- Doi, N.**, Hirose, K., Hitotumatu, S., Nishimura, K. Feasibilities and some problems of the public cryptosystem 1—37749
- Doi, S.** *see* Namba, M. 1—35156
- Dokhikyan, R.G.** *see* Karinskii, S.S. 1—37235
- Dokic, B.** *see* Szabo, A. 1—45329
- Dokoupil, S.** *see* Zima, V. 1—50545
- Dolat, V.S.** *see* Anderson, A.C. 1—32952
- Dolat, V.S.** *see* Arsenault, D.R. 1—37540
- Dolbec, A.C., Sr.** *see* Zygielbaum, P.S. 1—44010, 1—49387
- Dolbilkin, B.S.**, Kondrat'ev, R.L., Koretskii, V.P. Magnetic-characteristic measurement with a magic-angle spectrometer 1—30380
- Dolbilov, A.S.**, Pavlov, P.A., Snapoval, V.Z. Study of oscillations in the discharge of commercial lasers 1—28648
- Dolce, G.** *see* Pola, P. 1—34620
- Dold, E.L.** *see* Harrington, G.R. 1—30642
- Dolensky, B.**, Krauth, H., Messemer, G., Zehlein, H. The modelling of the mechanical behaviour of the LCT coil under different test conditions and its scaling to larger TF coils 1—46480
- Dolev, D.**, Yao, A. On traitor-secure public-key systems 1—33510
- Dolezal, L.** Equipment for evaluating the deformation characteristics of materials during tensile tests 1—32115
- Dolezal, M.** Independent sources for continuous supplies 1—38700
- Dolginov, L.M.**, Drakin, A.E., Druzhinina, L.V., Eliseev, P.G., Milvidsky, M.G., Skripkin, V.A., Sverdlov, B.N. Low threshold heterojunction AlGaAsSb/GaSb lasers in the wavelength range of 1.5–1.8  $\mu\text{m}$  1—41089
- Dolginov, L.M.** *see* Aarik, J.A. 1—33239
- Dolginov, L.M.** *see* Vdovin, V.I. 1—32690
- Dolgonov, N.S.**, Radievskii, A.E., Tsiptsyura, R.D. Design principles for algorithms for manual control of parameters in automated process control systems 1—48928
- Dolgoshein, B.** *see* Deutschmann, M. 1—34480
- Dolgoshein, B.** *see* Fabjan, C.W. 1—48585
- Dolgoshein, B.** *see* Ludlam, T. 1—34481
- Dolgov, A.A.** *see* Andreev, V.A. 1—53149
- Dolinar, D.** *see* Jezernik, K. 1—49423
- Dolinin, N.A.** Experiment duration probability distribution in truncated sequential analysis 1—41732
- Dolinov, S.N.** Analysis of the aggregate restoration error in adaptive telemetering systems 1—27065
- Dolinskii, Yu.M.** Thermal conditions in the anode base of a heavy-current arc 1—49597
- Dolivo, F.B.** Effects of miniaturization in magnetic recording [digital storage] 1—28247
- Dolizy, P.** Optical method for investigating alkali antimonide photocathodes 1—32540
- Dollack, F.** Polyswitch PTC devices—a new, low resistance, conductive polymer-based PTC device for overcurrent protection 1—45714
- Dolley, P.E.**, Huxtable, G.B. Stabilizer for the Harwell Tandem Van de Graaff 1—52650
- Dollinger, G.D.** *see* Weissman, M.B. 1—45709
- Dollwetz, R.H.** Bipolar RE power transistors 1—40549
- Dolny, G.M.** *see* Meiksin, Z.H. 1—40621
- Dolotov, Yu.S.**, Zharomskis, R.B. A method for studying coastal deposits from monoliths of undisturbed texture 1—43430
- Dom, F.** *see* De Roo, J. 1—37645
- Domaszewska, I.** *see* Kujarczyk, S. 1—53076
- Domb, M.**, Sokal, N.O. Zener or extra winding copes with leakage inductance 1—39895
- Dombrovskii, V.P.** *see* Stroikovskii, A.K. 1—30322
- Dombrovskii, V.V.**, Ivanov, A.V. Electrodynamic forces appearing under abrupt short circuits in an AC machine with toothless stator and non-magnetic rotor 1—31190
- Dome, G.** *see* Boussard, D. 1—48496
- Domine, G.** Electron beam induced current application to the characterisation defects in integrated circuit fabrication 1—36656
- Dominey, J.R.**, Battle, T.A., Brow, N.J., Laing, D., Leary, D.E. Hunterston A: first sixteen years of operation 1—53217
- Dominguez, F.J.** Enrile *see* Enrile Dominguez, F.J.
- Dominiak, W.** *see* Casajus, A. 1—50346
- Dommann, D.** Changes in thinking on management processes. The removal of barriers 1—26830
- Dommann, D.** Further education—a task for management? 1—52996
- Dommann, D.**, Gruning, H.-U. What is the effect of educational policy on professional training in the electricity supply undertakings? 1—39302
- Domnin, F.A.**, Kostina, I.K., Poltavtsev, V.P., Lisovskii, V.I. Organization of combined analysis of electrocardiograms and phonocardiograms by computer 1—43349
- Domoulin, B.** *see* Degauque, P. 1—28922
- Donaghy, F.A.**, Nicol, D.R. A technique for optical fibre primary coating using glass applicators 1—46528
- Donaghy, F.A.** *see* Irving, D.H. 1—28444
- Donakowski, T.D.** Radioactivity in gas streams derived from nuclear heat 1—49961
- Donald, M.H.R.**, Blocker, C., Chao, A.W., Hollebeck, R.J., Lee, M.J., Linstadt, J.E., Siegrist, J.L., Spencer, N. Some schemes for on-line correction of the closed orbit, dispersion and beta functions in PEP 1—42924
- Donald, M.H.R.** *see* Sabersky, A.P. 1—42990
- Donaldson, J.**, Scala, K., Bette, H.-P. Modern memories require precise signals with continual auto calibration 1—46218
- Donat, A.** *see* Deiters, K. 1—30336
- Donatelli, D.E.**, Allen, R.S. Time cells for adaptive prediction of total electron content 1—33354
- Donath, F.** *see* Viehauer, P. 1—32427
- Donath, W.E.** Wire length distribution for placements of computer logic [VLSI layout design] 1—40635
- Donath, W.E.** *see* Das Gupta, S. 1—28060
- Donato, J.W.** *see* Heinrich, J.P. 1—28381
- Donato, V.**, Bannister, R.L., DeMartini, J.F. Measuring blade vibration of large low pressure steam turbines 1—34218
- Donder, J.** *see* De Donder, J.
- Donders, F.J.L.** NEN 3134 or holiday-money? [electrical installation safety standard] 1—26868
- Dondl, P.** Secants cross antenna suspension (SKAL) for earth stations renders polarization tracking unnecessary 1—33947
- Done, G.T.S.**, Rangacharyulu, M.A.V. Use of optimization in helicopter vibration control by structural modification 1—35844
- Done, W.J.** Use of the fast Kalman estimation algorithm for adaptive system identification 1—41760
- Donets, E.D.** *see* Baldin, A.M. 1—42889, 1—48569
- Donevska, S.D.**, Donevski, B.D. Realizations of two-dimensional digital filters with ladder network configurations 1—45545
- Donevski, B.D.** *see* Donevska, S.D. 1—45545
- Dong, D.W.** *see* DiMaria, D.J. 1—50948, 1—51019
- Dong Lu** *see* Lu Dong
- Dong Nguyen Van** *see* Nguyen Van Dong
- Dong Sung Ma** *see* Mohr, R.K. 1—28433, 1—46495
- Dong Tai-qian** Reduction of light shift in <sup>87</sup>Rb frequency standard using pulse sampling optical detection method 1—28606
- Dong-qun Huang** *see* Huang Dong-qun
- Dong-sheng Li** *see* Li Dong-sheng
- Dolin, A.R.** Calculation of the life of welded products according to acoustic-emission activity 1—32121
- Doniwa, K.** *see* Okajima, M. 1—48723
- Donn, M.** Viewdata—a computer based information retrieval system 1—29396
- Donn, M.**, Tyler, G. Privatisation aids Viewdata's spread 1—41934
- Donnat, J.** *see* Baribaud, G. 1—42934
- Donnat, J.** *see* Carter, C. 1—42940
- Donnel, C.P.** *see* Puglisi, V.J. 1—31411
- Donnelly, B.** Memory ICs—progress in technology extends performance 1—27394
- Donnelly, B.** Connector designs keep pace with technology 1—45743
- Donnelly, B.** *see* Dance, M. 1—50961
- Donnelly, B.** *see* Nicholson, B. 1—42648
- Donnelly, J.A.** *see* Lucas, P. 1—42678
- Donnelly, J.H.**, Shannon, R.E. Minimum mean-squared-error estimators for simulation experiments 1—39528
- Donnelly, J.P.** The electrical characteristics of ion implanted compound semiconductors 1—36560
- Donnelly, J.P.** *see* Tsang, D.Z. 1—28709
- Donnelly, J.P.** *see* Tsaor, B.-Y. 1—50867
- Donnelly, V.M.**, Flamm, D.L. Anisotropic etching in chlorine-containing plasmas 1—40520
- Donnelly, S.F.** *see* Gupta, R.R. 1—37984
- Donnerberg, R.L.** *see* Druzgalski, C.K. 1—34600
- Donnet, R.** *see* Jonker, M. 1—43256
- Donoghue, J.F.** *see* Laskowski, E.L. 1—53761
- Donohue, B.P., III.**, McDonald, J.F. Innovative uses of mechanized tools to achieve project control 1—42108
- Donovan, E.P.** *see* Liu, J.M. 1—32760
- Donovan, K.J.**, Wilson, E.G. Photocarrier creation in one dimension 1—50807
- Donovan, K.J.**, Wilson, E.G. Demonstration of an ultra-high mobility organic polymer 1—51257
- Dontchev, A.L.** Error estimates for a discrete approximation to constrained control problems 1—45066
- Dontsov, V.N.** *see* Aizenshtat, G.I. 1—50475
- Dontsova, V.V.**, Lenkova, L.A. Kinoform lens for raster 1—40983
- Donu, V.S.**, Zhitar', V.F., Radautsan, S.I., Strumban, E.E. Characteristics of a photo-receiver of ultraviolet radiation based on cadmium thiogallate 1—42617
- Donzelli, M.A.** *see* Juarez Fernandez, A.M. 1—29547
- Doo, V.V.** Design of a high power dissipation module 1—50012
- Doo Choe Byung** *see* Byung Doo Choe
- Doody, R.D.** The high-capacity, spaceborne, Vuilleumier refrigerator 1—48097
- Dooley, D.F.** *see* Bingham, G.E. 1—52463
- Dooley, R.** *see* McCormick, J.B. 1—36431
- Dooren, P.M.** Van *see* Van Dooren, P.M.
- Dooren, P.** Van *see* Van Dooren, P.
- Doornbos, J.** *see* Baartman, R. 1—48338
- Dor, J.-B.** *see* Blanchard, A. 1—48786
- Dorai, V.S.** *see* Baliga, C. 1—43670
- Dorain, P.B.** *see* Owen, J.F. 1—41071
- Doraiswami, R.** An estimation of a Gaussian message from non-Gaussian observation using linear time-varying filter 1—33677
- Dorantes-Davila, J.**, Lastras-Martinez, A., Raccah, P.M. Measurements of submicron hole diffusion lengths in GaAs by a photovoltaic technique 1—36470
- Dorbantu, I.** *see* Preda, M. 1—45159
- Dorda, G.** *see* Leburton, J.P. 1—40616
- Doreau, M.T.**, Koziol, P. A topological algorithm based routing system 1—45779
- Doremus, L.W.** *see* Vezzoli, G.C. 1—36489
- Dorenbos, T.** *see* Blechschmidt, D. 1—42936
- Doreswamy, C.V.** A test and instrumentation system for the investigation of degradation of electrical insulating materials 1—43404
- Dorey, A.P.** Teaching and research—the role of the industrial unit 1—26793
- Dorey, A.P.** Semiconductor and microelectronic sensors 1—30098
- Dorey, A.P.**, Smith, R.C., Carre, B.A. A four-year 'enriched' electronic engineering course 1—26789
- Dorfler, P.** Mathematical model of the pulsations in Francis turbines caused by the vortex core at part load 1—38916
- Dorfler, P.K.** *see* Glattfelder, A.H. 1—35081
- Dorian, C.** Mobile services above 1 GHz 1—29664
- Dorian, C.** *see* Borman, W.M. 1—52199
- Doring, F.W.**, Hollenberg, K. Eight-channel time measurement system with 2 ns resolution 1—30270
- Doring, G.** Measurement engineering representation of geometric diagrams of variable alternating voltages 1—48182
- Dorkel, J.M.**, Leturcq, P. Carrier mobilities in silicon semi-empirically related to temperature doping and injection level 1—45916
- Dorlante, O.**, Wertheimer, M.R., Yelon, A., Densley, J.R. ESR study of Cu<sup>2+</sup> in polyethylene containing electrical and water trees 1—28180
- Dorlas, J.C.** *see* Jorritsma, F.F. 1—34563
- Dorler, J.A.**, Mosley, J.M., Ritter, G.A., Seeger, R.O., Struk, J.R. A 1024-byte ECL random access memory using a complementary transistor switch (CTS) cell 1—40685
- Dorler, J.A.**, Mosley, J.M., Seeger, R.O., Struk, J.R. AC write scheme for bipolar random-access memories using Schottky coupled cells 1—40689
- Dorler, J.A.** *see* Berndlmaier, E. 1—40634
- Dorling, G.K.** Portable calculator evaluates tariffs 1—38646
- Dorman, L.M.** *see* Moore, R.D. 1—43429
- Dormer, L.**, James, D.S. A study of high power pulsed characteristics of low-noise GaAs MESFETs 1—46181
- Dormer, L.** *see* James, D.S. 1—47742
- Dornan, B.**, Slusark, W., Jr., Wu, Y.S., Pelka, P., Barton, R., Wolkstein, H., Huang, H., Drago, F. An 8.5 watt solid-state space-qualified amplifier for satellite communications 1—27325
- Dorner, W.** Electron beam lithography for mask production 1—40493
- Dornetto, L.D.** A hierarchy of optimization strategies for the operation of underground coal mines 1—44578
- Doro, G.** *see* De Vincenti, P. 1—33389
- Dorobantu, I.** *see* Preda, M. 1—36028, 1—45160
- Dorokhina, T.P.** *see* Borisov, S.N. 1—49667
- Doron, A.** *see* Baer, H.W. 1—34516
- Doronin, V.G.**, Novikov, V.I., Stepanov, V.A. Amplification coefficient and saturation parameter of a CO<sub>2</sub> waveguide laser 1—33180

- Dorosh, I.R., Kuzminov, Yu.S., Polozkov, N.M., Prokhorov, A.M., Osiko, V.V., Tkachenko, N.V., Voronov, V.V., Nurligareev, D.Kh. Barium-strontium niobate crystals for optical information recording 1-46811
- Doroshenko, A.I. Fault conditions of thyristor contactors in controlled filter compensators 1-44270
- Dorrenbacher, J.S. *see* Wiener, R. 1-31931
- Dorros, I. Challenge and opportunity of the 1980s: the ISDN [telecommunications] 1-37687
- Dorros, I. ISDN 1-41867
- Dorsch, B. Forward-error-correction for time-varying channels 1-29085
- Dorschner, T.A. *see* Smith, I.W. 1-52887
- Dorsey, E., Bernstein, J. Inter-speaker comparison of LPC acoustic space using a minimax distortion measure 1-37441
- Dorsey, E., Caldwell, J. Application of the PDSP chip set to LPC synthesis 1-37468
- Doss, E.D. *see* Yen-Cheng Pan 1-35404
- Doss, M., Holland, J.P. 'Bumble Bee' CP, a Juno replacement for  $\alpha$ -,  $\beta$ - and  $\gamma$ -detection 1-48617
- Doss, M.M., Unbehauen, R. The effect of amplifier limited gain on active filters and a compensation technique 1-45515
- Dosselli, U. *see* Arnault, C. 1-43246
- Dostal, T. Circuit analysis using the diakoptic hybrid method 1-36031
- Dotcheva, V.I. *see* Stefanov, P.S. 1-45112
- Dote, T. *see* Hara, T. 1-51384
- Dotsch, E. Storage of molten iron in induction furnaces 1-31701
- Dotsinski, I.A., Ilcheva, A.I. Portable analog cardi-tachometer 1-48767
- Dotin, A. *see* Kaminsky, D. 1-45665
- Dotto, L. Canada Post wants its share of the electronic mail market 1-41922
- Dotzenrath, W. The current energy situation, consumer expectations and the potential for future energy supply—a global analysis 1-49208
- Dotzenrath, W., Bingmann, K., Schulz, E. Electricity for heating a substitute for oil. Results of the investigation into the German electricity industry 1-49807
- Doucas, G. *see* Barratt, P.J.S.B. 1-43124
- Doucet, H.J. *see* Felch, K.L. 1-51301
- Dougalis, V.A., Serbin, S.M. On the efficiency of some fully discrete Galerkin methods for second-order hyperbolic equations 1-39696
- Dougherty, J.J. R&D status report: Electrical Systems Division [of EPRI] 1-30737
- Dougherty, J.J. R&D status report. Electrical systems division. [Underground transmission] 1-34871
- Dougherty, J.J. R&D status report. Electrical systems division 1-35240
- Dougherty, J.J. Electrical Systems Division 1-43641
- Dougherty, J.J. R&D status report: electrical systems division [power system planning and operations] 1-52981
- Dougherty, J.W., Minnich, S.H. Finite element modeling of large turbine generators: calculations versus load test data 1-49409
- Douglas, A.S. Computers and communications in the 1980s: benefits and problems 1-33790
- Douglas, D.H., Gardam, C.M., McNutt, W.J., Mitchell, C.E., Ottevang, J.H. Progress report on a guide for loading oil-immersed power transformers rated in excess of 100 MVA 1-49536
- Douglas, D.R., Dragt, A.J. Charged particle beam transport using Lie algebraic methods 1-43011
- Douglas, E.C. Advanced process technology for VLSI circuits 1-40719
- Douglas, H. The central station boiler in The Netherlands—trends in development and application 1945-1980 1-35029
- Douglas, J., Lechner, M. Movement toward conservation 1-52980
- Douglas, J.A. Setting up a station to monitor the background radiation 1-43457
- Douglas, J.N. *see* Noakes, R.W. 1-29840
- Douglas, M. Future designs for distribution switchgear 1-44253
- Douglas, R.A. *see* Onusich, H. 1-52598
- Dougllass, D.A. Current transformer accuracy with asymmetric and high frequency fault currents 1-31290
- Dougllass, D.A. Potential transformer accuracy at 60 Hz voltages above and below rating and at frequencies above 60 Hz 1-31292
- Dougllass, D.A. Current transformer accuracy with asymmetric and high frequency fault currents 1-35238
- Dougllass, D.A. Potential transformer accuracy at 60 Hz voltages above and below rating and at frequencies above 60 Hz 1-35239
- Doyle, E.B. *see* de Sieyes, D.C. 1-34638
- Dours, D., Faccia, R. Multiprocessor architecture adapted to the parallel treatment of a continuous flow of data 1-29144
- Doushkov, I.I. *see* Spassov, V.D. 1-46636
- Dousson, S., Geller, R., Jacquot, B. Electron cyclotron resonance source for heavy multiply charged ions 1-38403
- Douville, R.J. *see* Day, J.W.B. 1-33937
- Dovbeta, L.I. *see* Shirokov, K.P. 1-29966
- Dove, D.B. *see* Huijter, E. 1-28221
- Dove, D.B. *see* Sahni, O. 1-41026
- Dove, D.B. *see* Yang, E.S. 1-41004
- Dover, B. Ship refit management at Garden Island Dockyard—a case study 1-49984
- Doveren, H. Van *see* Van Doveren, H.
- Doverman, G.I., Sokolov, Y.N., Zotov, L.G. Experimental dynamic characteristics of the TGMP-204 steam boiler of the 800 MW generating unit 1-35052
- Doversberger, K.W., Miller, R.F. Testing electronic products [for automobiles] 1-31621
- Dovgan, A.A. *see* Safonov, V.A. 1-36157
- Dovgii, V.T., Khodosov, E.F., Shapovalov, V.A. Two types of magnetic bubbles and their reciprocal transformations 1-40787
- Dovre, H. Fibre optics in power generation: What are we waiting for? 1-33037
- Dow, D.M., Nuttall, K.I. A study of the current distribution established in npn epitaxial transistors during current mode second breakdown 1-27993
- Dow, D.M., Nuttall, K.I. An investigation of the damage produced in epitaxial transistors by second breakdown mechanisms 1-40552
- Dow, J. *see* Seguin, H.J.J. 1-46773
- Dow, R.I. The Triffid tactical radio-relay equipment 1-47550
- Dow Foo Pang *see* Pang Dow Foo
- Dowling, P.D. *see* Butterworth, G.J. 1-46828
- Dowling, T. *see* Conti, R. 1-29010
- Down, W.H. Fusing tin-lead plate: infrared vs. liquid wave 1-27693
- Down, W.W. PCB carrier design for component lead trimming 1-36404
- Downer, M. *see* Bogdan, A. 1-46794
- Downer, S. Whitney *see* Whitney Downer, S.
- Downey, C., Karlof, J. Group codes for the M-receiver Gaussian broadcast channel 1-33500
- Downey, D.F., Bottoms, W.R., Hanley, P.R. Introduction to reactive ion beam etching 1-27958
- Downing, R.W. *see* Deiss, S.R. 1-42802
- Downs, D.C. *see* Murray, J.E. 1-28679
- Downs, T. *see* O'Neill, C.J. 1-51554
- Dowson, M. Considerations on model modification 1-40530
- Dowty, E.L. Now to harness the sun 1-34977
- Doyle, B.R. *see* Sanders, T.J. 1-40075
- Dozsa, J.R. *see* Lew, A.L. 1-33963
- Dozsa, L. *see* Ferenczi, G. 1-50770
- Drabek, J. AC electric drives for electric vehicles 1-39153
- Drabek, O. Industrial electro-thermal processes 1-53781
- Drabich, P.P. Improvement of parameter estimation accuracy of random pulse signals 1-29987
- Drabich, P.P. *see* Bukhalo, O.P. 1-36147
- Drabkin, A.L., Glagolevskaya, N.V. A two-way underground link from a control point to self-propelled mining machinery 1-29641
- Drachenfels, W. von *see* von Drachenfels, W.
- Drachman, B. *see* Kun-Mu Chen 1-52134
- Dracoulis, G.D. Experience with a Compton-suppressed spectrometer in (heavy ion, xn) reactions; peak rejection in singles and coincidence measurements 1-52735
- Dragan, G., Nemes, M., El-Dakhkhny, F. Influence of cross bucking coils on overvoltages produced by connection of overhead lines under no load conditions 1-38774
- Dragan, I. A procedure for finding the nucleolus of a cooperative N person game 1-44808
- Dragan, M. Technology of the radiation hardened MOS devices 1-50950
- Dragan, M. *see* Sachelarie, D. 1-45984
- Dragan, Ya.P. Classes of favourable kernel operators with harmonizable kernels 1-26991
- Dragan, Ya.P. Harmonic expansion of realisations and spectral analysis of random processes 1-35791
- Dragan, Ya.P., Kutsepko, O.K., Pogribnoi, V.A. On the correction of exponential pulses superimposed onto random streams [photomultiplier pulses] 1-27766
- Draganescu, V. *see* Chis, I. 1-37073
- Drago, D.W., Jr., Foster, R.W. A multi-purpose probability algorithm for analyzing ambiguous identifications 1-50179
- Drago, F. *see* Dornan, B. 1-27325
- Dragone, C. High-frequency behavior of waveguides with finite surface impedances 1-41272
- Dragonetti, P.G. *see* Tanski, W.J. 1-36744
- Dragostinova, V. *see* Todorov, T. 1-33293
- Dragotinov, A. *see* Picard, P. 1-29556
- Dragovic, M.B., Popovic, B.D. Limits of VSWR for optimal broadband capacitively loaded cylindrical antennas versus their length 1-41329
- Dragt, A.J. Exact numerical calculation of chromaticity in small rings 1-43043
- Dragt, A.J. *see* Douglas, D.R. 1-43011
- Dragulescu, G. *see* Chis, I. 1-37073
- Dragulinescu, M., Ciocina, S., Marghescu, I., Belusica, I. The structure of the communication system used for time information transmission 1-47291
- Dragulinescu, M. *see* Cartianu, G. 1-37523
- Dragulinescu, M. *see* Constantin, I. 1-37404
- Draheim, P. Components for digital processing of video signals using NMOS technology 1-27587
- Draheim, P. Digital techniques in the television receiver 1-47780
- Draheim, P., Mapke, F., Steinbach, H.L. Micro-computer test programme—preparation and verification 1-40056
- Draheim, P., Schendel, B. Verification for complex digital integrated circuits [VLSI CAD systems] 1-27455
- Draheim, P. *see* Fiedler, H. 1-40193
- Draheim, P. *see* Fiedler, H.L. 1-40185
- Drake, D.A. *see* Cameron, P.J. 1-27009
- Drake, J.M., Michell, J.A. Continuously tunable sinusoidal R-oscillators with a minimum number of elements 1-27335
- Drake, J.M., Rodriguez Izquierdo, G. Fast analogue measurement of low frequencies 1-42720
- Drake, M.D. Low reflectance terminations and connections for duplex fiber-optic telecommunication links 1-36862
- Drake, M.D. Low-reflectance fiber-optic terminations and connections 1-37947
- Drakin, A.E. *see* Dolginov, L.M. 1-41089
- Draman, C. *see* Haydar, A. 1-37004
- Drane, J. Wanzler *see* Wanzler Drane, J.
- Draper, B. *see* Palmer, D. 1-45836
- Draper, B.L., Palmer, D.W. Solid state microelectronics tolerant to radiation and high temperature 1-36416
- Draper, C.W., Buene, L., Poate, J.M., Jacobson, D.C. Rutherford backscattering and marker diffusion to determine melt threshold in laser mirror damage studies 1-37193
- Draper, M.S. Using consultants to introduce new technology 1-39378
- Draper, W.C. Energy conservation in the Bell System 1-42031
- Draper, W.C. Energy conservation in the Bell System 1-44618
- Drapitskaya, V.P. *see* Kostylev, V.A. 1-31740
- Drazdil, V., Ungar, J. SKODA synchronous compensators 1-31209
- Drazhbin, Yu.A., Prokopenko, V.E., Rass, L.A., Stepanov, B.M., Yurov, V.T. Measurement of adjustable laser wavelengths 1-37199
- Drazhev, M.N., Rabov, S.S. High-speed logarithmic video amplifiers 1-52244
- Drechsler, R.C. DACS cross-connects are just the beginning [telephony] 1-29550
- Dreimann, K., Betz, H., Leistikow, R. Electric energy supply of the drive of the TRANS-RAPID 06 1-53700
- Dreimann, K., Bohm, H. Three-phase drive series with a small number of multiple units for Berlins municipal transport authority (Berliner Verkehrs-Betriebe-BVG)—a milestone of the evaluation of three-phase asynchronous drives by the company AEG-TELEFUNKEN 1-35410
- Drennen, F.M. *see* Devine, C.W. 1-49144
- Drentje, A.G. *see* Vermeulen, J.C. 1-30338
- Dresel, D.L. *see* Gearhart, L. 1-52852
- Dresner, J., Szostak, D.J., Goldstein, B. Diffusion length of holes in a-Si:H by the surface photovoltage method 1-46604
- Dresner, L. Parametric study of the stability margin of cable-in-conduit superconductors: theory 1-28288
- Dresner, L. *see* Elrod, S.A. 1-28308
- Dressendorfer, P.V., Armendariz, M.G. A SEM technique for experimentally locating latch-up paths in integrated circuits 1-28108
- Dretler, J.D. Telephone information systems: more alternatives for more uses at less cost 1-42068
- Dreves, W. *see* Egelfhof, P. 1-43163
- Drevillon, B., Huc, J., Lloret, A., Perrin, J., de Rosny, G., Schmitt, J.P.M. Growth characterization of a-Si:H films by in situ ellipsometry in a silane-multipole plasma 1-45106
- Drew, M.W. Presenting the economics of renewables 1-53158
- Drexhage, M.G., Bendow, B., Loretz, T.J., Mansfield, J., Moynihan, C.T. Preparation of multi-component fluoride glass fibers by the single crucible technique 1-40932
- Drexler, J. DREXON optical memory media for laser recording and archival data storage 1-34102
- Drexler, J. *see* Ries, H. 1-48603
- Dreyer, R. Colour television developments. Digital technique around the picture tube 1-34052
- Dreyfack, K. French homes to get their own data bus 1-34079
- Dreyfus, R.W. Monoenergetic Cs<sup>+</sup> source with increased brightness 1-34418
- Dreyfus, R.W., Jones, D.W. Bimetallic mechanism for loading and unloading magnetic heads 1-36820
- Drezner, Z., Wesolowsky, G.O. The optimal sight angle problem 1-35825
- Driard, B. *see* Roziere, G. 1-32582
- Drichko, A.F. *see* Gubkin, E.S. 1-52713
- Driel, H.M. *see* van der Driel, H.M.
- Driel, J. *see* van der Driel, J.
- Driel, O.P. *see* van der Driel, O.P.
- Dries, L. *see* van den Dries, L.
- Driesen, H., Krausen, E. The use of solar energy in Rwanda and Indonesia 1-35099

- Driesen, H.**, Vojdani, S. Design, installation and first evaluation of a photovoltaic power plant system for the Indonesian village of Picon in West Java 1-53319
- Driggs, C.L.** *see* Hobson, M.J. 1-30957
- Drigo, A.V.** *see* Van Vechten, J.A. 1-45909
- Drimer, D.**, Csapo, G. Optimisation of the geometric form of magnetostrictive, ultrasonic, power transducers 1-48918
- Driscoll, R.G.** Wire sweeper for circuit device manufacture 1-26909
- Drizhuk, A.G.** *see* Shagalov, M.D. 1-33165
- Drndarevic, V.**, Smelcerovic, M. Lownoise preamplifier of electricity charging for semiconductor detectors 1-39956
- Drobyshevskii, A.A.**, Levitskaya, E.I. Influence of winding compression force on transformer behavior under short circuits 1-35226
- Dromey, J.D.** *see* Bireh, J.R. 1-28424
- Dronov, A.V.** *see* Gerberg, A.N. 1-48850
- Dronov, N.N.** *see* Bychkov, Yu.P. 1-51644
- Dronova, G.N.** *see* Nosov, V.B. 1-37203
- Dropkin, H.**, Levitt, R.P., Wortman, D.E. Design and operation of an orotron—a tunable source of coherent millimeter wave radiation 1-45859
- Dropkin, H.** *see* Leavitt, R.P. 1-51300
- Dropkin, H.** *see* Wortman, D.E. 1-51486
- Drori, J.**, Jewell-Larsen, S., Klein, R., Owen, W., Simko, R., Tchou, W., Darwish, M., Dill, H. A single 5 V supply nonvolatile static RAM 1-28127
- Drori, J.**, Owen, W.H., Simko, R.T. Non-volatile memory from Switzerland 1-27384
- Drossart, P.** *see* Felch, K.L. 1-51301
- Drost, M.K.** *see* Laity, W.W. 1-31127
- Drotar, J.S.**, Huebner, R.T. Method to cause functional chips to be electrically open 1-44676
- Drouet, M.** *see* Alard, J.P. 1-52717
- Drouet, M.G.**, Bo-han Wang, Morin, R. Arc foot motion, current distribution, arc short-circuiting and arc clogging in an air blast interrupter 1-44282
- Drowley, C.**, Hu, C. Arsenic-implanted Si layers annealed using a CW Xe arc lamp 1-39763
- Drozdoz, A.A.** *see* Andezen, A.B. 1-31488
- Drozdzova, M.V.** *see* Ivanov, E.I. 1-32693
- Drozdzowicz, M.H.** *see* Antler, M. 1-45753
- Drozdzowicz, Z.**, Rudko, R.I., Linhares, S.J., Lax, B. High gain 4.3-4.5  $\mu\text{m}$  optically pumped  $\text{CO}_2$  laser 1-51345
- Drozdzhinov, V.I.** *see* Boguslavskii, L.B. 1-51945
- Drozniak, A.** *see* Kozlik-Kulak, A. 1-27173
- Druchevskii, V.A.**, Krasnov, A.A., Malysheva, N.V., Matveev, I.N., Poletaev, B.V. Extension of dynamic range of a photoreceiver based on a photodiode 1-38198
- Druey, W.** Some considerations on normalisation in the fields of telecommunications, information processing and electronics 1-41862
- Drufuca, G.**, Macchiarella, G. Rain attenuation models for the SIRIO-SHF experiment [satellite communications] 1-46919
- Drugov, M.I.**, Karyakin, V.L., Solov'ev, M.Yu., Stepanov, N.N. Pulse phase detector for frequency synthesizers 1-50465
- Drukarev, A.**, Costello, D.J. An analysis for an ARQ error control scheme using sequential decoding 1-33537
- Drukier, I.** *see* Rosenheck, L.S. 1-46177
- Drumm, D.B.** *see* Stroud, R.O. 1-47201
- Drummond, J.** Microprocessor chips' computing power matches mid-sized mainframe unit 1-50519
- Drummond, T.J.**, Keever, M., Kopp, W., Morkoc, H., Hess, K., Streetman, B.G., Cho, A.Y. Field dependence of mobility in  $\text{Al}_{0.2}\text{Ga}_{0.8}\text{As}/\text{GaAs}$  heterojunctions at very low fields 1-45973
- Drummond, T.J.**, Kopp, W., Morkoc, H. Three period  $\text{Al}/\text{GaAs}/\text{GaAs}$  heterostructures with extremely high mobilities 1-40440
- Drummond, T.J.**, Morkoc, H., Cho, A.Y. Dependence of electron mobility on spatial separation of electrons and donors in  $\text{Al}_x\text{Ga}_{1-x}\text{As}/\text{GaAs}$  heterostructures 1-40442
- Drummond, T.J.** *see* Stanchak, C.M. 1-35956
- Druto, N.** *see* Przyluski, J. 1-49703, 1-53621
- Druyvesteyn, W.F.**, Raemaekers, E.L.M., Verhaar, R.D.J., de Wilde, J., Fluitman, J.H.J., Groenland, J.P.J. Magnetic behaviour of narrow track thin-film heads 1-46416
- Druzgalski, C.K.**, Donnerberg, R.L., Campbell, R.M. Techniques of recording respiratory sounds 1-34600
- Druzhinin, O.B.** *see* Lesnik, V.A. 1-31240
- Druzhinina, L.V.** *see* Aarik, J.A. 1-33239
- Druzhinina, L.V.** *see* Dolginov, L.M. 1-41089
- Druzin, Yu.V.** *see* Dzhakoniya, V.E. 1-52267
- Drygas, H.**, Hupet, G. Nonnegativeness of the best quadratic unbiased estimator of the variance in the linear regression model 1-50161
- Dryuchenko, A.Ya.** A method for automatic speech recognition in real time 1-47151
- Dryuchin, A.A.** *see* Rudyk, V.D. 1-52508
- Drzka, B.** Analysis of fluorescent lamp circuits with glow tube igniters and circuits with fast ignition 1-39202
- Du Jiafang** *see* Chen Kunji 1-27974
- Du Jinlin** *see* Zhao Bolin 1-38590
- Du Yongchangan, Yan Maoxun** Deep level transient spectroscopy 1-40448
- Du-Tong** Cavitation and wear on hydraulic machines 1-43993
- Dua, S.K.** *see* Kotrappa, P. 1-52700
- Duan-Lee-Tang, D.** *see* Ning, T.H. 1-51000
- Duarte, F.J.**, Piper, J.A. Prism preexpanded grazing-incidence grating cavity for pulsed dye lasers 1-41115
- Dub, P.B.** *see* Nichoga, V.A. 1-28864
- Dubas, L.G.** A double-spiral system for quadrupole focusing of a relativistic electron beam 1-46840
- Dubchak, V.A.** *see* Sandulyak, A.V. 1-35039
- Dube, C.** *see* Krusius, P. 1-32707
- Dubenskii, A.P.**, Dubenskii, V.P., Sokolova, E.A. Eddy currents in a nonferrous electromagnet with annular turns of arbitrary thickness 1-33312
- Dubenskii, V.P.** *see* Dubenskii, A.P. 1-33312
- Dubey, G.C.** Some observations on dielectric breakdown in insulating films 1-32899
- Dubey, G.K.**, Shepherd, W. Transient analysis of chopper-fed DC series motor 1-35185
- Dubey, G.K.** *see* Anjaneyulu, P.B. 1-44206
- Dubey, G.K.** *see* Joshi, S.D. 1-38987
- Dubey, P.**, Shubik, M. Information conditions, communication and general equilibrium 1-39520
- Dubey, V.** *see* Raina, M.K. 1-46868
- Dubey, V.K.** *see* Tripathi, L.N. 1-33130
- Dubicki, A.** *see* Antonik, A. 1-37197
- Dubicki, A.** *see* Badziak, J. 1-37196, 1-37198
- Dubicki, B.** Diphasic, one-layer fractional slot windings 1-31157
- Dubicki, B.** Diphasic, two-layer fractional slot windings 1-31158
- Dubik, A.**, Jach, K. Controlling the spatial distribution of radiation in a laser generator 1-37195
- Dubilovich, V.M.** *see* Akhromenko, G.E. 1-49346
- Dubin, S.S.** Applying motivational knowhow encourages engineers to learn 1-44632
- Dublet, G.** *see* Noirel, Y. 1-33777
- Dubnicka, M.** *see* Ruzinsky, M. 1-27881, 1-36535
- Dubnova, G.S.**, Tarasov, A.I. Experience in detecting faults in transformers by analysing the gases dissolved in the oil 1-44137
- Dubois, D.** *see* Steenaert, W. 1-36260
- Dubois, J.** *see* Ristic, V.M. 1-36804
- Dubois, J.C.** *see* Gazard, M. 1-32747
- Dubois, R.** *see* Cocke, C.L. 1-38373
- Dubois, R.** *see* Henaff, J. 1-36741
- DuBois, T.J.** *see* Comber, M.G. 1-38783
- Dubost, G.** Large bandwidth short-circuited radiating strip acting at resonance and linearly polarised 1-41289
- Dubost, G.**, Beguin, D. Propagation along two radiating coupled waveguides: applications to a multimode radiating array 1-41404
- Dubost, G.**, Rabbat, A. Mutual impedance between two short-circuited flat resonant dipoles 1-47018
- Dubost, G.**, Vinatier, C. Large bandwidth array of flat folded symmetrical dipoles acting at 12 GHz 1-37372
- DuBow, J.** *see* Singh, P. 1-49648, 1-53591
- Dubow, J.** *see* Weaver, N.L. 1-44377
- DuBow, J.B.** *see* Wilhelm, H.E. 1-46983
- Dubowski, J.J.** Influence of electron-electron scattering on Lorentz number in narrow-gap  $\text{Cd}_x\text{Hg}_{1-x}\text{Te}$  1-40409
- Dubowski, J.J.**, Dietl, T., Szymanska, W., Galazka, R.R. Electron scattering in  $\text{Cd}_x\text{Hg}_{1-x}\text{Te}$  1-40404
- Dubowsky, S.**, Morris, T. Mechanism noise 1-38942
- Dubrau, H.-J.**, Herzger, M., Schonfelder, G. Microprocessor controlled quartz oscillator 1-52349
- DuBro, G.A.** *see* Perala, R.A. 1-52863
- Dubrov, N.N.** *see* Mende, F.F. 1-37352
- Dubrovskii, A.V.** Construction of a test of unit length for single bridging faults in combination circuits 1-32244
- Dubrovskii, Z.M.** The electrical scheme of electrical locomotive VL80S 1-35436
- Dubuisson, B.** *see* Crignon, I. 1-30947
- Dubuisson, B.** *see* Val, M. 1-30946
- Dubuisson, B.** *see* Val, N. 1-30464
- Duc Duong Minh** *see* Duc Minh Duc
- Duc-Hai Nguyen** *see* Kosztaluk, R. 1-43736
- Duca, A.** *see* Del Duca, A.
- Ducar, R.J.** Tevatron serial data repeater system 1-42950
- Ducar, R.J.** A CAMAC serial crate controller for the Tevatron accelerator 1-42951
- Ducar, R.J.** *see* Bogert, D. 1-42923
- Ducar, R.J.** *see* Zagel, J.R. 1-42800
- Duchemin, J.P.** Low pressure CVD of III-V compounds 1-45121
- Duchemin, J.P.** *see* Beuchet, G. 1-50295
- Duchemin, J.P.** *see* Bonnet, M. 1-27135
- Duchemin, J.P.** *see* Hirtz, J.P. 1-50294
- Duchemin, J.P.** *see* Razezghi, M. 1-51451, 1-51452
- Duchemin, J.-P.** *see* Wallis, R.H. 1-50788
- Duchemin, P.** *see* Linh, N.T. 1-27827
- Duchene, J.** *see* Moreau, C. 1-43289
- Duchesne, C.** *see* Gazard, M. 1-32747
- Duchiewicz, J.** The problem of proper earthing of measuring instruments 1-53129
- Duchowicz, R.** *see* Tocho, J.O. 1-51397
- Duck Ko Chung** *see* Chung Duck Ko
- Duckworth, F.C.**, Greenwood, D.R. Improvements in fuel element utilization in the Magnox power stations of the CEBG 1-53209
- Duckworth, G.L.** *see* Lang, S.W. 1-37963
- Ducommun, M.**, Apotheloz, M. The Swiss PTT and international standardisation 1-41861
- Ducros, Y.** *see* Aleksan, R. 1-48582
- Ducros, Y.** *see* Behrend, H.-J. 1-43229
- Dudalev, V.P.** *see* Vasil'ev, V.N. 1-48060
- Dudarev, A.T.** *see* Golenetskii, S.P. 1-30385
- Dudeck, J.** *see* Kutschera, J. 1-43352, 1-52782
- Dudek, B.** Possibilities of work performance under voltage conditions in Polish power lines 1-49128
- Dudek, B.**, Wisniewski, W. The organizing and technical status of the introduction of works under voltage conditions 1-38640
- Dudek, B.**, Wisniewski, W. Tools, equipment and work security accessories needed at works carried out under voltage conditions in Polish power system networks 1-53070
- Dudek, M.T.**, Robinson, J.M. A new adaptive circuit for spectrally efficient digital microwave-radio-relay systems 1-37860
- Dudelzak, B.** *see* Augustin, J.E. 1-43230
- Duderstadt, J.J.** *see* Lee, J.C. 1-53195
- Dudgeon, D.E.** *see* Quatieri, T.F. 1-40125
- Dudik, V.** *see* Slavik, I. 1-31312
- Dudin, A.N.** Optimum control of a multirate service system 1-39504
- Dudkin, L.D.** *see* Mironov, L.G. 1-30394
- Dudley, D.D.** *see* Vaughn, V.V. 1-52474
- Dudley, P.** *see* Perks, R. 1-45805
- Dudley, R.F.** *see* Salama, M.M.A. 1-44167
- Dudnikov, P.I.**, Samborskii, S.N. Noetherian boundary-value problems for overdetermined partial differential equation systems 1-50084
- Dudu, D.** *see* Molea, M. 1-38495
- Dueck, G.** A note on the multiple access channel with correlated sources 1-37382
- Dueck, G.** *see* Ahlswede, R. 1-37428
- Dueholm, B.**, Levring, O.A., Mygind, J., Pedersen, N.F., Soerensen, O.H., Cirillo, M. Multisolar excitations in long Josephson junctions 1-36849
- Duel, M.A.**, Zak, I.D., Khait, Y.G., Korostelev, V.A. Determination and analysis of engineering and economic characteristics in the thermal process automatic control system of 800 MW units at Zaporozh'e central power station 1-35055
- Duel, M.A.** *see* Gorelik, A.Kh. 1-31034
- Dueng Zheng** *see* Zheng Duang
- Duerinckx, A.J.** Matched Gaussian apodization of pulsed acoustic phased arrays 1-30400
- Duerr, J.R.**, Nelson, G., Wade, C. End-to-end testing of data communications links. X. Level II protocol: what it is and what it means to datacomm users 1-29475
- Duerr, J.R.**, Nelson, G., Wade, C. High level data link control. XI 1-37756
- Duerr, J.R.**, Nelson, G., Wade, C. Symptomatic checking maintains top computer network performance 1-47396
- Duff, J.** *see* Le Duff, J.
- Duff, M.L.**, Posthumus, R.L., Speer, W.H. Automatic line fault detection and bypassing 1-29281
- Duffus, R.** External power for the Tempo S-1 1-37856
- Duffy, E.T.** Factors in the selection and evaluation of an 18 GHz digital radio 1-29632
- Duffy, J.S.** *see* Das-Gupta, D.K. 1-32904
- Duffy, P.K.** Low resolution infrared building thermography in a subtropical environment 1-52400
- Duffy, T.J.** *see* Molvik, A.W. 1-48453
- Dufilie, P.A.** Low cost SAW convolver with high spurious suppression 1-32931
- Dufour, C.** Adaptation d'un réfrigérateur à cycle fermé sur un diffractomètre à rayons X de série (Adaptation of a closed-cycle refrigerator on an X-ray diffractometer) 1-38467
- Dufour, I.G.** Provision of digital transmission in the junction network 1-47510
- Dufour, M.** *see* Haccoun, D. 1-33520
- Dufresne, J.F.** *see* Decrop, B. 1-36810
- Dugan, R.C.** *see* McGranaghan, M.F. 1-34866, 1-38750
- Duggan, G.**, Scott, G.B., Foxon, C.T., Harris, J.J. Photoluminescence technique for the determination of minority-carrier diffusion length in GaAs grown by molecular beam epitaxy 1-32628
- Dugger, G.L.**, Henderson, R.W., Francis, E.J., Avery, W.H. Projected costs for electricity and products from OTEC facilities and plantships 1-31115
- Dugois, J.P.** Energy savings in modern aluminium smelters 1-44525
- Duguay, M.A.** *see* Damen, T.C. 1-28738, 1-51405

- Duhamel, N., Henoc, P., Alexandre, F., Rao, E.V.K. Influence of growth temperature on Be incorporation in molecular beam epitaxy GaAs epilayers 1-50275
- Duhamel, P. see Feldmann, M. 1-36254
- Duisterhout, J.S. see Brekelmans, F.E.M. 1-52794
- Dukati, F. Characterizing reliability by stating standardized indexes 1-39465
- Duke, R.M. see Arnold, C.P. 1-30626, 1-34789
- Dukes, J. Videotex—an electronic publishing medium 1-29410
- Dukhnina, L.S. see Baikov, A.I. 1-39051
- Dukhovich, I.J. Composite model of a 3-D image 1-37644
- Dukhovnyi, A.M., Korolev, A.E., Ryabova, R.V., Staselko, D.I. Diffraction efficiency of holograms recorded in the IR region by pulses of  $2 \times 10^{-10}$ -15-sec duration 1-41163
- Dukic, M.L. see Stojanovic, Z.D. 1-47101
- Dulescu, I., Podeanu, P., Climov, V. Heat dissipation in thermocouple conductors. Steady-state. Optimal conductor length. Analytical and computer aided studies 1-52438
- Dulitskaya, G.M., Kononov, V.V., Zinin, E.F., Sharakina, L.A., Malayvina, V.M., Shcherbachenko, A.A., Elinek, V.I. Investigation of the heat resistance of shaped glass-fiber reinforced plastics for electrical application 1-32090
- Dulk, R.C. den see den Dulk, R.C.
- Dull, A.L. see Jones, J.D. 1-52475
- Dull, E.H., Burkel, R. Tyre pressure monitor for passenger cars 1-38189
- Dullu, U.K. see Sharma, R.S. 1-40100
- Dully, J. see Petersen, W.C. 1-45687
- Dul'nev, G.N. see Aliiev, F.M. 1-33093
- Dul'zon, N.A. On the arrangement and distribution of power over a plant area with a uniformly distributed load 1-34858
- Dumail, M. see Bretonneau, P. 1-42843
- Duman, E.L. see Venikov, N.I. 1-48456
- Dumania, P. see Swiatek, K. 1-50929
- Dumas, K.A., Swimm, R.T. Minority carrier diffusion lengths and absorption coefficients in silicon sheet material 1-35371
- Dumchys, A.S. see Bredikis, Yu.Yu. 1-30466
- Dumer, I.L., Zinov'ev, V.A., Zaylov, V.V. Cascaded decoding with respect to minimal generalized distance 1-29099
- Dumin, D.J. see Kowshik, V. 1-50931
- Dumitrache, I., Dumitriu, S., Munteanu, F. Optimal control algorithm of DC drives fed by thyristor converters 1-39146
- Dumitrascu, H. see Pavelescu, M. 1-35009
- Dumitrica, A., Tudor, T. Single-sideband suppressed carrier electrooptic modulator 1-36977
- Dumitriu, S. see Dumitrache, I. 1-39146
- Dumitriu, V., Luban, F. On the convergence of Peterka's algorithm for a maximum likelihood problem 1-44949
- Dumke, W.P. The effect of base doping on the performance of Si bipolar transistors at low temperatures 1-36596
- Dumke, W.P. see Das, G. 1-27996
- Dumont, D. A combinatorial interpretation of the Seidel generation of Genocchi numbers 1-27013
- Dumont, J.J. see de Mendez, M. 1-28464
- Dumoulin, J.-L. Controlled rectifier sets—JISIL R 1-35256
- Dumsky, G. Multi-channel A/D conversion: multiplexer and converter in a one-chip version 1-27556
- Dun, H., Koburger, C.W. Self-aligning oxidation barrier 1-40514
- Dun, H.P., Silverman, R. High capacitance RAM cell using two layers of polysilicon 1-45394
- Dunaitsev, A.F. see Ageyev, A.I. 1-42866
- Dunaitsev, A.F. see Alekseev, A.V. 1-52742
- Dunaitsev, A.F. see Bushnin, Yu.B. 1-30372
- Dunat, J., Bazzocchi, D. The equipment of the SAMU 15 centre: integration of telephone, radio and computing 1-33753
- Dunbar, W.G. Interpretation of corona measurements on high-voltage assemblies 1-31861
- Dunbar, W.G. see Youssef, N.N. 1-30520
- Duncan, A.L. see Bartlett, D.F. 1-27768
- Duncan, B.J. Suppressing and protecting thyristors. I 1-46126
- Duncan, B.J. Suppressing and protecting thyristors. II 1-46127
- Duncan, M.L. Tuning fork mods 1-34120
- Duncan, W.S. Proportional spacing character generator CRT display 1-30005
- Duncan, W.S. Highlighted page facsimile display 1-30006
- Duncombe, E. see Davidson, D.F. 1-38873
- Dun'e, V.A. see Gromov, V.S. 1-31709
- Dunham, C.L., Klotz, R., Fulton, G. Use of a communications network for oil-field computer assisted operations 1-29461
- Dunham, J.G. Bounds on message equivocation for simple substitution ciphers 1-33511
- Dunham, J.G., Gray, R.M. Joint source and noisy channel trellis encoding 1-51776
- Dunham, J.S., Galovich, C.S., Wissink, S.W., Mavis, D.G., Hanna, S.S. Polarized gas jet targets 1-43168
- Dunker, P.H., Hirschbuhl, H. Withdrawable automatic power factor correction equipment for low-voltage systems 1-38680
- Dunki-Jacobs, J.R., Kerr, R.H. A quantitative analysis of grouped single-phased induction motors 1-44096
- Dunlap, H.L. see Vaidyanathan, K.V. 1-40408
- Dunlap, J.H. see Schroeder, J.E. 1-34917
- Dunlavy, D. see Ahrenkiel, R.K. 1-32756
- Dunlay, J. Coal: diesel fuel of the future? 1-43966
- Dunlop, A.J. AGC response and target glint 1-29783
- Dunlop, A.J. Depolarisation due to non-symmetry in raindrops [electromagnetic wave scattering] 1-46857
- Dunlop, J.D., Stockel, J.F. Nickel-hydrogen battery technology—development and status 1-31399
- Dunmore, G. see Ward, K.E. 1-41881
- Dunn, A.F. see Wood, G.H. 1-30212
- Dunn, A.G. see Beales, K.J. 1-28432, 1-46494
- Dunn, E.C. Clocking system synchronization 1-45387
- Dunn, E.C., Whitehill, J.W. Reading fixed format data recorded in parallel 1-47127
- Dunn, G.L., Leong, P. Conceptual design of an integrated power and avionics information system 1-52917
- Dunn, J. One-shots detect frequency levels 1-27361
- Dunn, J.C. Global and asymptotic convergence rate estimates for a class of projected gradient processes 1-45004
- Dunn, P.L. see Beales, K.J. 1-28432, 1-46494
- Dunn, R.B. Control technology in mining 1-31741
- Dunn, W.R., Johnston, J., Meyer, G. RAMP—a fault tolerant distributed microcomputer structure for aircraft navigation and control 1-38560
- Dunne, J.A. Seasat SAR data analysis activities in the US—an update 1-30564
- Dunneblie, G., Kunde, M., Schmidt, B. Position sensitive photoreceivers 1-48080
- Dunnwald, J. Digital speed measurement of electrical drives with microcomputer 1-35417
- Dunsiger, A.D., Cochran, N.A., Vetter, W.J. Seabed characterization from broad-band acoustic echosounding with scattering models 1-48872
- Dunsmore, M.R.B. see Gibbs, S.E. 1-43415
- Dunsmuir, J.H. see Deckman, H.W. 1-34527
- Duntsch, I. A class of projective Stone algebras 1-50068
- Duo-huai Wu see Wu Duo-huai
- Duong Minh Duc Differential calculus in Frechet spaces 1-50189
- Duong Tuan Kiet see Tuan Kiet Duong
- Dupas, A. see Claverie, M. 1-53684
- Duperdu, R. see Mohammad-Djafari, A. 1-43341
- Dupont, A. Technology transfer and industries 1-31818
- Dupont, D. see Chardonnet, E. 1-53180
- Dupontell, D. Binary modulations for digital satellite communications link with differential demodulation 1-47610
- Dupuis, P. Telecommunication applications of millimeter waves 1-47527
- DuPuy, D.L. At integrated-circuit pulse amplifier for use with photomultipliers 1-39950
- Dupuy, M. see Lebailly, J. 1-33155
- Durand, A. see Aleksan, R. 1-48582
- Durand, J.M. Physics research at the 'SATURNE' accelerator laboratory 1-52624
- Durant, G. Stereo balance meter 1-42463
- Durante, C., Giambiasi, N., Miara, A. An accurate time-delay model for hierarchical timing simulation of digital circuits 1-27450
- Durbin, F., Montaron, J., Heydemann, M.H. A tentative approach towards global optimization in the DC case 1-50363
- Durbridge, N. The adult learner and educational television 1-52217
- Durecek, J. TV receiver design with regard to power consumption 1-34069
- Duren, C., Felleisen, R., Hieber, G. Four beats three in submerged arc welding 1-44557
- Durgee, D. see Ellis, R. 1-47339
- Durie, D.S.L. Optical bench for chemical laser testing 1-51497
- During, K. Energy transport 1-38637
- Duris, R., Munn, J. A programmable operational amplifier 1-27292
- Durkin, C.J., Jr. see Janofsky, E.B. 1-43552
- Durkin, M.F., Eckstein, R.J., Mills, M.D., Stringfellow, M.S. 35 GHz active aperture [radar antennas] 1-47738
- Durlach, N.I. see Gennaro, S.De. 1-37453
- Durlach, N.I. see Hicks, B.L. 1-37452
- Durling, A.E. see Oetting, J.D. 1-28945
- Durmanov, S.T. see Belan, V.G. 1-53573
- Durnev, S.N. see Vashchenko, A.P. 1-42638
- Durney, C.H. see Iskander, M.F. 1-30481, 1-48694
- Durney, C.H. see Lakhtakia, A. 1-43385, 1-51590
- Durney, C.H. see Massoudi, H. 1-48757
- Durr, H.E., Bevers, R.C., Koch, R.O., Flegal, W.M. Improved pulp insulation for telecommunications cable 1-32430
- Durr, U. see Kunzel, W. 1-28687
- Durr, W., Sinclair, D.A., Ash, E.A. A high resolution acoustic probe 1-38620
- Durrani, T.S., Chapman, R. Constrained optimization solutions to IIR filter design using discrete prolate spheroidal wave functions 1-36277
- Durrani, T.S., MacLeod, C.J., Pearson, J., Hayward, G. Processing techniques for the inspection of offshore structures 1-43478
- Durrani, T.S., Murukutla, N.L.M., Sharman, K.C. Constrained algorithms for multi-input adaptive lattices in array processing 1-37615
- Durrani, T.S. see Macleod, C.J. 1-43474
- Durrer, D. see de Bakker, J.M.T. 1-48722
- Durrett, R. An introduction to infinite particle systems 1-39556
- Durrschnabel, W. see Siemens, D. 1-35977
- Duru, D. see Chiriac, T. 1-49074
- Duru, G. see Auray, J.P. 1-44907
- Duschl, M. see Reffle, J. 1-28861
- Duszak, M., Jakubowski, A., Szmidt, J. Some properties of MIS structures with the dielectric formed in reactive pulse plasma 1-46001
- Duta, A. see Moldoveanu, M. 1-52578
- Duthie, J.F., Upatnieks, J., Christensen, C.R., McKenzie, R.D., Jr. Real-time optical correlation with solid-state sources 1-30053
- Dutilloy, G., Pincemin, M. Economic advantages of the CELTIC digital speech interpolator 1-52010
- Dutt, B.V. see Chin, A.K. 1-51290
- Dutt, B.V. see Temkin, H. 1-33126
- Dutt, G.S. see Harrie, D.T. 1-52397
- Dutt, R.S. see Sunnapwar, K.P. 1-48243
- Dutta, K., Millman, M. Dynamic simulation of hybrid video compression 1-38549
- Dutta, N.K. Gain-current relation for  $\text{In}_{0.72}\text{Ga}_{0.28}\text{As}_{0.6}\text{P}_{0.4}$  lasers 1-28716
- Dutta, N.K. Calculated temperature dependence of threshold current of GaAs-AlGa<sub>1-x</sub> double heterostructure lasers 1-28717
- Dutta, N.K., Nelson, R.J. Temperature dependence of threshold of the InGaAsP/InP double-heterostructure lasers and Auger recombination 1-33220
- Dutta, N.K., Nelson, R.J. A study of pulsations, superlinear emission, and negative resistance in  $1.3 \mu\text{m}$  InGaAsP double-heterostructure lasers 1-37136
- Dutta, N.K., Nelson, R.J. Temperature dependence of threshold of InGaAsP DH lasers and Auger recombination 1-51483
- Dutta, P., Horn, P.M. Low-frequency fluctuations in solids:  $1/f$  noise 1-45705
- Dutta, S., Gott, G.F. Correlation of HF interference spectra with range 1-46874
- Dutta, S., Jackson, H.E., Boyd, J.T. Use of laser annealing and surface coating to fabricate very low-loss thin-film glass waveguides 1-36941
- Dutta, S. see Guchait, B. 1-49263
- Dutta Majumder, D. Cryo-electronic computer memory elements. Problems and prospects 1-28417
- Dutta Roy, S.C., Das, V.G. Compensation of inefficiency in charge transfer delays and signal processors 1-45503
- Dutta Roy, S.C. see Kapur, N. 1-40108
- Dutta Roy, S.C. see Mahanta, A. 1-40134
- Dutta Roy, S.C. see Varanasi, P. 1-27480
- Dutta Subhadra see Subhadra Dutta
- Dutto, G. see Baartman, R. 1-48338
- Dutton, R.W. Computer modeling for VLSI [process and device effects] 1-28069
- Dutton, R.W. Stanford overview in VLSI research 1-46205
- Dutton, R.W., vanCleemput, W.M. Stanford overview in VLSI research 1-50991
- Dutton, R.W. see Reif, R. 1-39770
- Dutton, T.A. see Collesidis, R.A. 1-41750
- Duttweiler, D.L. Realizing a single-chip VLSI echo canceler 1-46965
- Duval, L., Jr., Baxter, V.E., Bell, S.V., Jr. A DTMF encoder for automatic access of communications systems 1-41518
- Duvanov, Yu.T. see Adas'ko, V.I. 1-31250
- Duvic, G., Bertel, N. A packet mode scheme to be implemented on a satellite TDMA channel 1-47602
- Duzenko, V.A. see Bakshiev, V.G. 1-30575
- Duzer, T. Van see Van Duzer, T.
- Dvoracek, M. Technological links control in agriculture 1-40014
- Dvorak, A. The district heating power plant at Randers (Denmark) 1-30988
- Dvorak, F. see Chura, V. 1-31160
- Dvorak, G.J. see Bahei-El-Din, Y. 1-39648
- Dvore, D. see Caulfield, H.J. 1-47232
- Dvorkin, B.A. see Bilenko, D.I. 1-42749
- Dvorkovich, V.P. see Krivosheyev, M.I. 1-47804
- Dvornikova, L.K. see Kelin, N.A. 1-28251
- Dvorskiy, E.E., Tarnopolskiy, I.L., Parikozhka, I.A., Elisheeva, M.Ya. Automatic control of the interstation sections of switched telegraph networks 1-41917
- Dvoryaninov, A.V. see Sharovarov, G.A. 1-38878

- Dvurechenskii, A.V., Kashnikov, B.P., Smirnov, L.S. Changes in defects in ion-bombardment-amorphized Si and GaAs layers under the action of high-power electron pulses 1-32665
- Dvurechenskii, A.V., Mustafin, T.N., Smirnov, L.S., Geiler, H.-D., Gotz, G., Jahn, U. Influence of the thickness of damaged layers on the migration of dopants during laser annealing in implanted silicon 1-27930
- Dvurechensky, A.V. see Akhmetov, V.D. 1-27790
- Dwarakanath, M.R. see Marsh, D.G. 1-52006
- Dwarakanath, M.R. see Ahuja, B.K. 1-33871
- Dwight, K. see Van Son Nguyen 1-33105
- Dwire, J.D. see Bobo, K.N. 1-30004
- Dwivedi, S.N. Design and operation of variable speed, controlled velocity profile, single cycle impacting press 1-49826
- Dworak, H.P. see Stainer, F.W. 1-34681
- Dworkin, L., Goell, E., Kao, C.K. Emerging fiber applications 1-37927
- Dworsky, L. Monolithic crystal filter design using a variational coupling approximation 1-40770
- Dworsky, L. An improved circuit model for monolithic crystal filters 1-40771
- Dwyer, J.M. Choices in the evolution to a digital transmission plan 1-41887
- Dwyer, R.F. Asymptotic performance measures for sequential partition detectors 1-37980
- Dwyer, S.J., III, Lee, K.R., Mansfield, C., Fritz, S.L., Anderson, W.H., Cook, P.N. Display strategies using CT scan data for radiation therapy planning 1-43320
- Dwyer, T.A.W., III, Smit, G.N., de Figueiredo, R.J.P. Input-output based design of nonlinear dynamical systems: application to the cancellation of nonlinear distortion 1-50449
- D'yachenko, A.M. see Vasilenko, N.D. 1-27108
- D'yachenko, V.I. see Zav'yalkin, F.M. 1-36012
- D'yachkin, V.P., Krasil'nikov, S.N. Analysis of the effect of ionizing radiation on the frequency stability of oscillators 1-39972
- D'yachkov, A.G. Lower bound for ensemble-average error probability for a discrete memory-less channel 1-29051
- Dyachkov, E.L., Herzog, R., Khukhareva, I.S., Nichitii, A. Thermal conductivity and electrical resistivity of Nb-Ti (HT-50) as a function of temperature and magnetic field 1-28277
- D'yakonov, V.P. High-power high-frequency MOS transistors in pulse circuitry 1-27373
- D'yakonov, V.P. Analysis of the transient processes in a high-power MIS transistor switch 1-32832
- D'yakonov, V.P. Wide-band power amplitudes based on MIS transistors 1-50435
- D'yakonov, V.P. Recirculators based on high-frequency MIS power transistors [pulse generators] 1-50458
- D'yakonov, V.P. Nanosecond rectangular pulse generators using avalanche and MIS transistors 1-50459
- D'yakonov, V.P., Smerdov, V.Yu. Power MOS FET amplifier with subnanosecond response time 1-36109
- D'yakov, A.S. see Belkov, P.V. 1-37081
- D'yakov, V.P., Gubankov, V.N., Tarasov, M.A., Vystavkin, A.N. Frequency conversion of millimeter radiation to X-band with superconducting point contacts 1-29824
- Dyatlov, A.P. see Orlov, G.N. 1-47090
- Dybbs, A. see Abramson, J. 1-38506
- Dybdal, R.B., Mori, T.T., King, H.E. High sensitivity millimeter-wave instrumentation 1-52570
- Dyck, C.van see van Dyck, C.
- Dyck, O.B.van see van Dyck, O.B.
- Dydyk, M. Shielded microstrip: transmission media for MM-wave integrated circuits 1-45659
- Dydyk, M. Image guide: a promising medium for EHF circuits 1-46563
- Dyer, F.B. MM wave innovation 1-52142
- Dyer, P.E. see Baker, C. 1-51358
- Dyer, P.E. see Deka, B.K. 1-37064
- Dyer, R. see Butler, J.W. 1-30515
- Dyk, G.van see Van Dyk, G.
- Dyke, M.S.van see Van Dyke, M.S.
- Dyke, P.J. see Catchpole, R.J. 1-42139
- Dykstra, J.D., Sheffield, C. Geological applications of multispectral techniques for lithologic and lineament analysis 1-48841
- Dykstra, K.U. see Ligon, J.M. 1-29823
- Dym, H., Gohberg, I. Extensions of band matrices with band inverses 1-39476
- Dym, H. see Dewilde, P. 1-36035, 1-51760
- Dymek, M.S. see Yu, F.T.S. 1-33682
- Dyment, J.C. Properties of optoelectronic devices for optical communication systems 1-52119
- Dyment, J.C., Smith, G. Optimum proton energy for DH lasers determined by in situ monitoring during bombardment 1-37126
- Dymova, N.N. see Akimchenko, I.P. 1-40427
- Dymshakov, V.A. see Bondarenko, A.V. 1-51546
- Dymshits, Yu.I. see Belousova, I.M. 1-41057
- Dyn'kin, V.N., Kurdzyukov, A.P. Codes for a summing channel with correlated sources 1-29100
- Dyson, J.D. see Lai, H.H. 1-41300
- Dyson, T., Rao, S.S. Equal observation interval comparison of maximum entropy and weighted overlapped segment averaging spectrum estimation techniques 1-47194
- Dyubua, P., Mel'nikov, A.N., Pakhomov, S.V., Pinski, M.B. Some results obtained in the development of a method for making density and temperature measurements with the aid of falling spheres 1-38591
- Dyukov, A.D. see Sharovarov, G.A. 1-38878
- Dyunaidov, S.S., Urmanov, N.A., Gafurova, M.V. The cadmium levels in silicon 1-50765
- Dyupin, V.K. see Germash, G.P. 1-35025
- Dzhagarov, N.F. Taking into account the transformer link between the converter and the power system when simulating machine-rectifier systems 1-53396
- Dzhagarov, N.F. see Sendyurev, V.M. 1-30686
- Dzhagarov, Yu.A. see Danelyan, A.G. 1-52557
- Dzhakoniya, V.E., Druzin, Yu.V., Erganzhiev, N.A., Zhebel', B.G., Koganer, S.E. Selection of parameters for stereo-television remote control system 1-52267
- Dzhala, R.M. Excitation of a longitudinally-slotted cylinder of finite thickness by the current of an axial conductor 1-28962
- Dzhaliashvili, M.N. see Agladze, R.I. 1-32966
- Dzhandieri, M.Sh. see Gerasimov, A.B. 1-32837
- Dzhanelidze, R.B. see Bagratishvili, G.D. 1-46023
- Dzhanoyan, A.S. Production technology in the electrical industry 1-31855
- Dzhashitov, V.E. see Pankratov, V.M. 1-27082
- Dzhavadov, M.G., Guseinov, G.M. A boundary-value problem for a parabolic equation with small parameter 1-50083
- Dzhelepo, I.B., Gladyshev, G.E., Plachenov, B.T., Pugachev, B.N., Sirotiy, O.S., Terent'ev, Yu.V., Rodchik, V.A., Finkel'shtein, K.I. 'minus' pulsed, high-current, nanosecond, electron accelerator 1-30286
- Dzhidzhoev, N.A. see Danelyan, A.G. 1-52557
- Dzhus, N.I. Design of a torque limiting circuit for an asynchronous thyristor drive 1-53818
- Dziadecki, A. see Szklarski, L. 1-53749
- Dziarnowski, K., Mokrosinski, A. Linear step motor 1-53497
- Dziech, A., Ciota, Z. Method of estimating information delay in auxiliary buffer 1-37388
- Dziedzic, J.M., Stolen, R.H., Ashkin, A. Optical Kerr effect in long fibers 1-33267
- Dziedzic, J.M. see Ashkin, A. 1-46487
- Dzieniakowski, M. see Pelczewski, P. 1-31307
- Dzigasov, A.G. see Bert, N.A. 1-27792, 1-39779
- Dzilyums, K.A. see Grigulis, Yu.K. 1-27191
- Dzioba, S. see Bond, R.A. 1-48255
- Dziong, Z. Correlation of telephone traffic in overflow systems 1-29242
- Dzjagupov, R.G., Babaev, R.S., Yakubov, R.A. Some special features of design of acoustic device for display coordinate meters 1-52229
- Dzugayev, V.K. see Loshakov, L.N. 1-51646
- Dzung, D. Recursive algorithms for the ARMA-modelling of speech signals 1-41542
- Dzung, D. Generation of cross-covariance sequences 1-47195
- Dzyuba, A.N. see Martensitsen, S.I. 1-47344
- Dzyuban, V.S. see Shuts'kii, V.I. 1-53572
- Dzyubenko, M.I., Maslov, V.V., Naumenko, I.G., Pelipenko, V.P. Effective lasing in the green region using a new class of dye solutions 1-51400
- e Albuquerque, J.P.de Almeida see de Almeida e Albuquerque, J.P.
- e Silva, J.G.C. see de Figueiredo, A.C.D. 1-27059
- Eacharn, A.B. see Bennett, R.S. 1-42335
- Eadie, G.C. Basic properties of grain-orientated electro-technical steels. Vol.1 1-40785
- Eager, G.S., Jr. see Bahder, G. 1-34882, 1-38758
- Eager, V.W. Electronic mail in the GTE information service 1-51927
- Eales, B.A. see Ashton, J.E.U. 1-28722
- Eapen, A. see Mehta, D.B. 1-43574
- Eapen, J., Venkatesan, K. Stabilization of PLL controlled DC motor drive 1-39145
- Eardley, D.B. Push-pull driver circuit using high and low barrier Schottky diodes 1-40047
- Earnshaw, J.C. see Cochrane, T. 1-52765
- East, J.R. see Grondin, R.O. 1-45891
- Easter, J.R. see Rumancik, J.A. 1-34993
- Eastham, D.A., Joy, T. Breakdown phenomena in high voltage vacuum accelerator tubes 1-34413
- Eastlake, D.E., III see Horowitz, A.J. 1-37776
- Eastman, C.M. Recent developments in representation in the science of design 1-44670
- Eastman, D.F. Various voltages keep the world's railways rolling 1-44415
- Eastman, J. see Bunkenberg, J. 1-51410
- Eastman, L. see Van Rees, B. 1-50303
- Eastman, L.F., Stall, R., Woodward, D., Wood, C.E.C., Dandekar, N., Shur, M., Hollis, M., Board, K. Ballistic electron transport in thin layers of GaAs 1-50792
- Eastman, L.F. see Barnard, J. 1-37949, 1-46054
- Eastman, L.F. see Board, K. 1-36622
- Eastman, L.F. see Metze, G.M. 1-50304
- Eastman, L.F. see Morgan, D.V. 1-45978
- Eastman, L.F. see Okamoto, K. 1-32699
- Eastman, L.F. see Oliver, J.D., Jr. 1-40399
- Eastman, L.F. see Wang, W.I. 1-35945
- Eastman, L.F. see Woodward, D.W. 1-50789
- Easton, B.C. see Powell, M.J. 1-40578
- Easton, M.C. Design choices for selective-repeat retransmission protocols 1-47271
- Easton, M.C. see Chang, H. 1-40838
- Easton, R.L., Jr. see Blodgett, J.A. 1-29211
- Eastwood, E. Radio and the birth of the Universe 1-47756
- Eastwood, H.K. see Rahman, M.M. 1-33075
- Eastwood, J. see Greenen, M. 1-31056
- Eaton, D.C.G. Spacecraft structural acoustics 1-52829
- Eaton, R.P. see Carlson, G.A. 1-34641
- Eaton, S.S., Wooten, D., Slemmer, W., Brady, J. A 100 ns 64K dynamic RAM using redundancy techniques 1-32307
- Eaves, L., Englert, T., Instone, T., Uihlein, C., Williams, P.J., Wright, H.C. Photoconductivity, photoluminescence and Zeeman spectroscopy of Cr in GaAs, GaP and InP 1-33122
- Ebara, M. see Koga, R. 1-40923
- Ebbeson, H.F., Engen, G.F. Singularities in the calibration of six-port network analyzers 1-48028
- Ebe, M. see Ishiyama, Y. 1-30455
- Ebel, A.J., McNaughten, N.K. Terrestrial broadcasting changes at the 1979 World Administrative Radio Conference 1-52196
- Ebel, B. ATE program, with additional microprocessor self-checking routines 1-47908
- Ebel, M. see Wong, J. 1-28128
- Ebeling, W. Fast beamprofile measurement 1-42910
- Ebeling, W. The transverse feedback system in DESY 1-42945
- Ebeling, W., Gerke, H., Hartwig, H., Nagl, M., Scholz, H.P., Sommerfeld, M., Zolfaghari, A. The radiofrequency-systems of PIA 1-48344
- Eberhard, P.H., Gibson, G.H., Green, M.A., Grossman, E., Ross, R.R., Taylor, J.D. The measurement and theoretical calculation of quench velocities within large fully epoxy impregnated superconducting coils 1-51132
- Eberhardt, E. see Cecowski, D.H. 1-32586
- Eberhardt, E.H. An operational model for micro-channel plate devices 1-32590
- Eberhart, G.E. see Passino, N.A. 1-33014
- Eberharter, G. see Stocker, H.R. 1-36796
- Eberle, G., Meissner, K.-J., Stein, W., Teichert, H. The light pipe technique on electric railways 1-35435
- Ebermann, R. Spectral loading and distortion with the transmission of random digital signals by phase and frequency modulation 1-51770
- Ebersbach, U. see Reisse, G. 1-35973
- Ebersberger, G. Modulation effect [TV transmitters] 1-29857
- Ebert, J., Kazmierczuk, M. Class E high-efficiency tuned power oscillator 1-32220
- Ebert, W., Blaser, H., Buchmann, T., Fritz, W., Hanselmann, E., Kerle, W., Scherler, E., Seewer, M. From national transmitting stations to VHF stereo networks 1-34046
- Eberts, K., Kiehne, H.A., Hausler, E.A., Goebel, F., Euler, K.J., Forstbauer, W., Sassmannshausen, G. Battery technology for emergency currents supply 1-38701
- Ebina, A. see Komatsu, M. 1-38320
- Ebner, P. Bright annealing of brass wire in protective atmospheres 1-36373
- Ebrahimi, N., Ghosh, M. Multivariate negative dependence 1-35773
- Ebrey, R.G., Sckerl, H.A., Seaman, G.G. Automatic connectorization of 25 pair cable 1-35547
- Ebrey, R.G., Sckerl, H.A., Seaman, G.G. Automatic connectorization of 25-pair cables 1-50650
- Ecabert, R., Miszak, P. Once-through boilers with vertical or helical tubing 1-31025
- Eccleshall, D., Hollandsworth, C.E. Transmission-line cavity linear-induction accelerators 1-48404
- Eccleston, W. see Childs, P.A. 1-32816
- Echeverria, R. see Joshi, N.V. 1-37005
- Echigo, H. see Minegishi, S. 1-45732
- Eck, R.van see Van Eck, R.
- Eck, T.van see Van Eck, T.
- Eckard, L.D. see Potemra, T.A. 1-34695
- Eckardt, H. A single side band transmitter for short waves 1-42226
- Eckardt, R.C. see Chicklis, E.P. 1-51406
- Eckardt, R.C. see Marquardt, C.L. 1-46796
- Eckels, P.W. see Riemersma, H. 1-44163
- Eckels, P.W. see Walker, M.S. 1-31669
- Eckels, P.W. see Ying, A.S. 1-31183
- Ecker, J.G., Shoemaker, E. Selecting subsets from the set of nondominated vectors in multiple objective linear programming 1-50240
- Eckerman, K.F. The impact of risk considerations on dosimetry of radiopharmaceuticals 1-48760
- Eckert, D., Fischer, K., Frenzel, C., Gladun, A., Holzhauser, W., Knorn, M., Lange, F., Mobius, A., Verges, P. A V<sub>3</sub>Ga-NbTi magnet system with different currents from one power supply 1-51115

- Eckert, D., Lange, F., Mobius, A. A computer program simulating the quench of superconducting magnet systems 1-51133
- Eckert, M. Brilliancy measurement by means of a photographic method in the field of street lighting 1-42757
- Eckert, R. Applications of raster scan electron microscopes in microelectronics development 1-36658
- Eckert, T. BWR refill-reflood program - core spray distribution final report 1-53225
- Eckertz, B. Radio links in the Federal German Post Office 1-29605
- Eckhardt, D. Digital circuit technology 1-27435
- Eckhardt, D. Digital circuit techniques. II 1-32280
- Eckhardt, D. Digital circuit techniques. III 1-32282
- Eckhardt, H., Gahbler, I., Darrelmann, H. Numerical calculation of steady state synchronous performance of reluctance machines 1-49434
- Eckhardt, W.O. *see* Tseng, D.Y. 1-48811
- Eckhoff, K.S. On stability for symmetric hyperbolic systems. I 1-50093
- Ecklebe, P., Heideck, G. Frequency converter for mass current influencing with controlled sources 1-49721
- Ecklebe, P., Steinfels, M. New transistor final control element for electric drives 1-49722
- Ecklebe, P. *see* Steinfels, M. 1-31502
- Ecklin, G., Schlicht, D., Plessl, A. Overvoltages in GIS caused by the operation of isolators 1-31383
- Ecklund, S. *see* Richter, B. 1-42876
- Ecklund, W.L., Carter, D.A., Balsley, B.B. Gradient drift irregularities in mid-latitude sporadic E 1-46881
- Eckman, J.R. Dry flooded pipe-type cable and save 1-53089
- Eckstein, J.N. *see* Kroll, N.M. 1-51316
- Eckstein, R.J. *see* Durkin, M.F. 1-47738
- Eckstrom, D.J. *see* Bischel, W.K. 1-51356
- Economou, N.A. *see* Valassiadou, O. 1-45963
- Economou, N.P., Alfiness, R.C., Buhl, L.L. Novel picosecond optical pulse sampling technique for measuring the response of high-speed optical modulators 1-28529
- Economou, N.P. *see* Alfiness, R.C. 1-33077
- Economou, T.E. *see* Dabrowski, A.J. 1-34449
- Ecsedi-Toth, P. *see* Varga, A. 1-44939
- Edahiro, T., Takahashi, S., Yoshida, K., Yoshioka, N., Shioda, T. Long single-mode fibers made by vapor-phase axial deposition 1-36903
- Edahiro, T. *see* Horiguchi, M. 1-33065
- Edahiro, T. *see* Hosaka, T. 1-46509
- Edahiro, T. *see* Inagaki, N. 1-46526
- Edahiro, T. *see* Kawachi, M. 1-33042
- Edahiro, T. *see* Ohmori, Y. 1-51510, 1-51511
- Edahiro, T. *see* Okamoto, K. 1-46490
- Edahiro, T. *see* Sasaki, Y. 1-33270
- Edahiro, T. *see* Shibata, N. 1-33015
- Edahiro, T. *see* Sudo, S. 1-40914
- Eddy, J.K., Bartko, J. The prevention of latchup in microcircuits using proton beams 1-36687
- Eddy, N.W. *see* Misra, S.K. 1-48595
- Edel, W.A. *see* Clark, L.J. 1-50905
- Edelman, S. *see* DeReggi, A.S. 1-30574
- Edelmann, H. Computation from measured data of model data for the simulation of synchronous machines in interconnected operation 1-35143
- Edelmann, H. J.C. Maxwell's geometric mean distances 1-36351
- Edelmann, X. Application of ultrasonic testing techniques on austenitic welds for fabrication and in-service inspection 1-35995
- Eden, D.D. Vanadium dioxide storage material 1-40882
- Eden, J.G. *see* Diabab, A.L. 1-28617
- Eden, J.G. *see* McCown, A.W. 1-51334
- Eden, J.G. *see* Verdeyen, J.T. 1-51387
- Eden, R.C. *see* Zucca, R. 1-28123
- Edenborough, N.B., Monnier, D.J. Holographic inspection for thin cover sheet bond quality on turbine components 1-50352
- Edenhofer, J., Schmitz, G. An implicit method of characteristics for the solution of hyperbolic initial-boundary-value problems and its convergence 1-27076
- Edenholm, B. *see* Salo, T. 1-52365
- Eder, A. *see* Werner, C. 1-32715
- Edeess, M. *see* Leboeuf, C.M. 1-31125
- Edgar, R.F., Hindle, P.H. Developments in infrared gauging in the paper and plastics industries 1-52488
- Edgcombe, C.J. Gyrotrons for megawatt power generation 1-32568
- Edge, E.R., Malick, J.D., Allen, J.H. Weather impact on low-altitude imaging infrared sensors in Europe—an availability model 1-52954
- Edge, J.T. *see* Swingle, W.L. 1-52840
- Edge, S.W., Mayne, A.J. A stochastic model of an end-to-end packet-switched connection with optimistic storage allocation at the receiver 1-37761
- Edighoffer, J. *see* Boehmer, H. 1-46663
- Edinak, E.V. *see* Novikova, E.M. 1-32059
- Edison, J.C., Haase, W.C., Scudder, R.K. A precision high-speed electron beam lithography system 1-50963
- Edlin, G.R., Shumpert, T.H. General considerations in attempting to characterize non-uniform, non-planar electromagnetic field environments 1-41260
- Edlin, G.R. *see* Shumpert, T.H. 1-41258
- Edlin, G.R. *see* Strickland, B.R. 1-42612
- Edmister, B.W. Industrial applications of optical shaft encoders 1-30055
- Edmonds, J.S. Coming: large superconducting generators 1-31199
- Edmonds, M. Active components for fibre optics 1-47679
- Edmondson, T.H. A mask design and verification system for the '80s 1-40677
- Edmondson, T.H., Jennings, R.M. A low cost hierarchical system for VLSI layout and verification 1-46249
- Edmonson, J.H. *see* Cooper, J.B. 1-38476
- Edmunds, H.D. *see* Lehman, R. 1-30488
- Edrich, J. *see* Cacak, R.K. 1-43310
- Edson, W.A. Broadband trapped multiple-wire antennas 1-51725
- Edson, W.A., Oetzel, G.N. Capacitance voltage divider for high-voltage pulse measurement 1-42575
- Edwall, G. *see* Ask, P. 1-43283
- Edward, J.A. Recent work at JSRU on speech synthesis by rule 1-41613
- Edward, L.N.M., Arrillaga, J., Ross, N.W., Baird, J.F. Harmonic measurement and the selective AF power analyser 1-49197
- Edwards, C., Palmer, S.B. An analysis of the threading bar method of magnetic particle flaw detection 1-45140
- Edwards, C.B., O'Neill, F., Shaw, M.J. Absorption and gain measurements in the KrF laser medium at high pump rate 1-41044
- Edwards, D.A. *see* Train, D.A. 1-42283
- Edwards, D.G., Url, K.H. Sporadic error probability due to alpha particles in dynamic memories of various technologies 1-27452
- Edwards, D.J. Determination of large reflector profiles by microwave wavefront reconstruction 1-47056
- Edwards, D.R. *see* Cooper, R. 1-28187
- Edwards, G. *see* Amir, G. 1-37470
- Edwards, H. *see* Krafczyk, G. 1-43065
- Edwards, H. *see* May, M. 1-43083
- Edwards, J. Frequency independent phase shifter using a charge transfer device 1-36292
- Edwards, J. RTTY on a shoestring 1-37705
- Edwards, J. *see* Pacey, K. 1-49778
- Edwards, J.A. *see* Sundstrom, D.E. 1-51978
- Edwards, J.D. Design of an electromagnet 1-44453
- Edwards, J.G. Recent developments and problems in detection for measurement of laser outputs 1-34289
- Edwards, K.W. *see* Conetti, S. 1-42877
- Edwards, L.M. *see* Brown, A.J. 1-50502
- Edwards, M. Electronic mail. Something for everyone 1-37708
- Edwards, M., Keller, J., Larsen, G., Rowberg, A., Sandler, B., Whitaker, F. A computed tomography-radiation therapy treatment planning system utilizing a whole body CT scanner 1-34603
- Edwards, M. *see* Saxton, W.A. 1-41941
- Edwards, P.L., Impey, A.A. Audio telemetry for a computer installation 1-37718
- Edwards, R. *see* Avery, R. 1-42826
- Edwards, R. *see* Murphy, B.T. 1-32316
- Edwards, R.J. ISABELLE magnet power supply system performance analysis 1-48352
- Edwards, R.J.G. The presentation of static information on air traffic control displays 1-30531
- Edwards, S. Modification to the control switching of the Icom IC240 transceiver 1-52073
- Edwards, S.J., Nault, J.G., Bage, M.J. Interexchange fiber transmission systems—rationale and requirement 1-29773
- Edwin, K.W. Prospects of long-term energy supply 1-43818
- Edey, E. Primary energy for tomorrow—a challenge for us all 1-30853
- Eekhout, A.D. Tunnels for cables and conductors 1-30783
- Efanov, V.P. *see* Belyaev, B.F. 1-36444
- Efendiev, D.T. *see* Bakirov, M.Ya. 1-49349
- Effenberger, H., Cunert, K., Schettler, H., Koar, H. The results of part-load operation with reduced pressure, to improve the maneuverability of 210 MW units 1-30993
- Effert, S. *see* Jensch, P. 1-48696
- Effert, S. *see* von Essen, R. 1-52787
- Effland, J.E. *see* Persinger, R.R. 1-46927
- Efimenko, E.I. Generalisation of the theory of electric machines with magnetic asymmetry 1-44034
- Efimenko, N.G. The use of rare-earth metals in the coatings of welding electrodes 1-35546
- Efimochkin, G.I., Verbitskiy, V.L., Bel'ferman, M.D. A method of predicting the gasdynamic characteristics of contact-type heaters from test results 1-49284
- Efimov, B.V. *see* Gumerova, N.I. 1-49103
- Efimov, G.V., Solov'ev, V.S., Fertik, N.S., Shaforostov, A.I. Measuring instrument for short-term frequency instability 1-48196
- Efimov, V.B. *see* Chernyshev, A.N. 1-44523
- Efimov, V.M. Study of thin silicon nitride films by isothermal depolarization of MNOS structures 1-40736
- Efkeman, A., Jenkins, D. Development of an aviator's night vision imaging system (ANVIS) 1-38555
- Efkeman, A. *see* Jenkins, D. 1-38138
- Efremov, V.I. *see* Volkonskii, L.A. 1-31713
- Efremov, V.S. Measuring displacements with the aid of a short-circuited capacitance transducer 1-30260
- Efremov, Yu.G., Nevgasimiy, A.F., Solganik, B.D., Shermarevich, V.G. Analysis of mixers with external bias 1-36347
- Efron, U., Grinberg, J., Braatz, P.O., Little, M.J. A silicon photoconductor-based liquid-crystal light valve 1-46592
- Efros, A.L. On the theory of AC conduction in amorphous semiconductors and chalcogenide glasses 1-40428
- Efstathiou, C.E., Papastathopoulos, D.S., Hadjiannou, T.P. A digital 'sample-wash timer' for the Technicon Sampler II 1-40009
- Efthimiopoulos, T., Garside, B.K. Amplification of spontaneous emission and gain measurement in dye amplifiers 1-41063
- Efthymos, N. *see* Manvi, R. 1-31071
- Egan, W.F. The effects of small contaminating signals in nonlinear elements used in frequency synthesis and conversion 1-39989
- Egardt, B. *see* Reddy, V.U. 1-37503
- Egau, P.C. Dynamics of a digital automatic gain control for Gaussian signals 1-45304
- Egawa, J. *see* Hayakawa, Y. 1-43303
- Egelhof, P., Bauer, B., Bottger, R., Kossionides, S., Mobius, K.-H., Moroz, S., Presinger, D., Schuch, R., Steffens, E., Tunge, G., Drevs, W., Koenig, I., Fick, D. Polarized heavy ion beams ( $^{67}\text{Li}$ ,  $^{23}\text{Na}$ ) at the Heidelberg EN-Tandem 1-43163
- Eger, D., Zemel, A., Rotter, S., Tamari, N., Oron, M., Zussman, A. Junction migration in PbTe-PbSnTe heterostructures 1-27852
- Eger, D. *see* Zemel, A. 1-36495
- Eger, T.E., Varner, L.W. A novel adaptive predictor DPCM system for speech signals 1-41560
- Egerszegi, P. Effect of the location of electrodes and the use of two feeding circuits on geoelectric soundings 1-34703
- Egerton, M.W. Synchronous motor oscillator 1-50448
- EGge, D. *see* Seeber, G. 1-43432
- EGgebrecht, L.C. *see* Bradley, D.J. 1-38132
- Egger, H. The effect of dampness on the electric strength of synthetic-resin bonded generator insulation systems 1-53358
- Egger, H., Praxl, G. Monitoring insulation on transformers and generators—Discussion at the 18th meeting of the high-voltage and electrical-power section of Ove 1-53359
- Egger, H., Srinivasan, T., Hohla, K., Schein-graber, H., Vidal, C.R., Pummer, H., Rhodes, C.K. A tunable ultrahigh-spectral-brightness ArF<sup>+</sup> excimer laser source 1-46672
- Egglestone, F. *see* Parsons, B. 1-49294
- Egizaryan, G.A. *see* Vikulin, I.M. 1-50920
- Egli, D., Hofmann, H.R. Automatic call diversion option for Hasler SKW1000/10000 PABXs 1-42055
- Egli, F., Kunzler, D. Measurement of the starting current used by heat pumps and its effects on mains power supplies 1-53785
- Egnell, L.E., Eriksson, L.E. On system sensitivity versus line code spectrum in fiber optic systems 1-29761
- Egorov, A.V. Steady-state operating conditions of inverter motors 1-49476
- Egorov, E.P., Babushkin, G.I., Pavlenko, V.K. Problems of reliability of large AC electric motors 1-49406
- Egorov, K.D., Kandidov, V.P. Nonstationary thermal self-action of light pulses in a moving medium 1-37215
- Egorov, L.P. *see* Pel'ts, B.B. 1-31650
- Egorov, V.D., Muller, G.O., Zimmermann, R., Dite, A.F., Lysenko, V.G., Timofeev, V.B. Photoconductivity of CdS under high excitation—indicating no homogeneous Mott transition 1-46624
- Egorov, V.V., Kovalevich, O.M., Kuul'v, V.S., Luzanova, L.M., Malamud, V.A., Mitenkov, F.M., Nikoporets, Y.G., Pavlenko, V.I., Samoilov, O.B., Sidorenko, V.A., Sokolov, I.N., Tsarev, N.M. Making atomic power stations safe 1-43881
- Egorov, Yu.A. *see* Abil'slitov, G.A. 1-37083
- Egorov, Yu.P., Petrov, A.S., Pivovarov, B.L., Trofimov, V.A. Pulse sign correlator in nanosecond range 1-27372
- Egorova, L.V. The design of crystal rejector filters based on a monolithic structure 1-36734
- Egri, R. *see* Childs, W.H. 1-47580, 1-47651
- Eguchi, M. *see* Saito, S. 1-52112
- Eguchi, N., Ogasawara, M. 200 kVA gas turbine generator 1-43957

- Eguren, J. *see* Cuevas, A. 1-49701  
 Eguren, J. *see* del Alamo, J. 1-39131  
 Eguren, J. *see* Luque, A. 1-35365  
 Egyptian, H.H. Protection against contact with live parts in installations up to 1000 V. An introduction to the draft of VDE 0100, Part 750 1-35605  
 Egyptian, H.H. The use of equipment for personal protection during manual operations with electrical apparatus 1-49956  
 Ehara, Y. *see* Kobayashi, K. 1-37852  
 Ehas, R.P. *see* Farrell, F.C. 1-39082, 1-39099  
 Ehlers, K. Driver and car—a problem of communication 1-31632  
 Ehlers, K.W., Leung, K.N. Electron suppression in a multicusp negative ion source 1-34417  
 Ehlers, K.W. *see* Leung, K.N. 1-43144  
 Ehlers, M. *see* Kolouch, D. 1-41738  
 Ehn, D.S. *see* Chacon, C.C. 1-36079  
 Ehrenberg, D.G. *see* Allebach, J.P. 1-47254  
 Ehrenreich, H. Solar photovoltaic energy conversion 1-39132  
 Ehrich, M. The switching behaviour of strip conductors 1-45704  
 Ehrismann, W. The 380 kV cable installation at Karakaya (Turkey) 1-30752  
 Ehrlich, C.D. *see* Hanley, P.R. 1-36553  
 Ehrlich, D. *see* Schiemenz, P. 1-43156  
 Ehrlich, D.J., Osgood, R.M., Deutsch, T.F. Laser chemical technique for rapid direct writing of surface relief in silicon 1-46067  
 Ehrlich, D.J. *see* Deutsch, T.F. 1-31443  
 Ehrlich, G. The substantial contribution of solar heat to the energy requirements in Israel 1-35100  
 Ehrlich, G. *see* Chin, B.H. 1-32074  
 Ehrlich, M. *see* Soares, C.G. 1-38539  
 Ehrlich, R., Gentile, T., Stein, P., Stone, S., Talmán, R., Alam, M., Scorna, S., Pouchet, J.S., Panvini, R. The pressurized dE/dx system in the CLEO detector at CESR 1-34428  
 Ehrlich, R. *see* Latos, T. 1-31339  
 Ehrlickman, R.L. *see* Barish, A.E. 1-27541  
 Ehrmann, C.H. *see* Lim, T.S. 1-42730  
 Ehsasi, M. *see* Lec, R. 1-32949  
 Ehst, D.A. *see* Baker, C.C. 1-35016  
 Eichelberger, C.A. *see* Burgess, J.F. 1-45741  
 Eichinger, G. Behaviour of the passivating film in Li/SOCl<sub>2</sub> cells under various conditions 1-44342  
 Eichler, H.J. *see* Auschwitz, B. 1-33179  
 Eichler, J., Leuenberger, R. Optimal tuning of filters in the presence of measurement and tuning errors 1-32343  
 Eichner, K.-P., Roschlaub, W. Heat transfer from condensation power stations for local heat supply 1-43914  
 Eick, R.H. *see* Hebard, A.F. 1-28326  
 Eickelpasch, N., Wilstermann, H., Fettel, W., Hubscher, D. Radioactivity releases from fuel elements stored in the KRB-A storage pool over prolonged periods of time 1-43198  
 Eickhoff, W. Temperature sensing by mode-mode interference in birefringent optical fibers 1-33054  
 Eickhoff, W., Ulrich, R. Statistics of backscattering in single-mode fiber 1-36927  
 Eickhoff, W., Ulrich, R. Optical frequency-domain reflectometry in single-mode fibers 1-36951  
 Eid, Y. *see* Adib, M. 1-48656  
 Eidenschink, R. *see* Pohl, L. 1-28531  
 Eidinger, A., Menon, K.V. Extended range of application for outdoor SF<sub>6</sub> circuit breakers type ELF for 72.5 to 550 kV 1-49592  
 Eidinger, A. Gaseous isolating fluids and extinguishers 1-31365  
 Eiho, S. *see* Kuwahara, M. 1-43324  
 Eilbeck, J.C. *see* Christiansen, P.L. 1-51103  
 Eilenberger, D.J. *see* Ippen, E.P. 1-28734  
 Eilenberger, D.J. *see* Liu, P.L. 1-28736  
 Einarsson, G. A robust adaptive quantizer with extended dynamic range 1-47460  
 Einenkel, H. *see* Jaccard, S. 1-48538  
 Einfeldt, J., Grigo, M. Determination of electrical conductivity of electrolytic solutions. II. Electrical measuring systems on basis of bridges. I 1-52520  
 Einstein, H. *see* Bellows, R.J. 1-31415  
 Einziger, P.D., Felsen, L.B. Ray analysis of a cylindrical dielectric rodome 1-51755  
 Eisen, F.H. *see* Morgan, D.V. 1-45925  
 Eisenberg, M.P. *see* Buckley, W.D. 1-40317  
 Eisenhardt, P.R. *see* Rieke, G.H. 1-30114  
 Eisenhart, R.L. *see* Robertson, R.S. 1-45671  
 Eisenhart, K.-H. *see* Bose, D. 1-51204  
 Eissengardt, G.A. *see* Semenov, V.N. 1-33148  
 Eissfeldt, E., Stahl, H. State-of-the-art technology for text communication devices 1-41918  
 Eissler, W., Jentner, W. Automatic testing of ferritic permanent magnets for mechanical damage 1-42527  
 Eizenberg, M., Foell, H., Tu, K.N. Formation of shallow Schottky contacts to Si using Pt-Si and Pd-Si alloy films 1-36519  
 Ejebe, G.C., Nwodo, T.C. Flexible programming approach to security-constrained economic dispatch 1-30631  
 Eljigou, A., McHugh, R. Relative risk estimation under multiple matching 1-35740  
 Ekanayake, N. The effect of transponder non-linearity on the performance of MSK and off-set-QPSK signal transmission 1-29073  
 Ekanayake, N., Taylor, D.P. A decision feedback receiver structure for bandlimited nonlinear channels 1-37385  
 Ekberg, E.L. *see* Grisham, D.L. 1-48281  
 Ekelof, T., Seguinot, J., Tocqueville, J., Ypsilantis, T. The Cerenkov ring-imaging detector: recent progress and future development 1-43248  
 Ekelof, T. *see* Burq, J.P. 1-52679  
 Ekin, J.W. Strain scaling law for flux pinning in NbTi, Nb<sub>3</sub>Sn, Nb-Hf/Cu-Sn-Ga, V<sub>3</sub>Ge and Nb<sub>3</sub>Ge 1-28285  
 Eklund, S. The IAEA looks at the tasks ahead 1-43845  
 Eknoyan, O. *see* Simpson, D. 1-46182  
 Eknoyan, O. *see* Weichold, M.H. 1-46108  
 Ekstrom, J. Simulation of ignition primary circuit pulses 1-53734  
 El Abidine Amri, Z. *see* Aboutajdine, D. 1-43435  
 El Arculli, W.A. The specification and purchase of electrical equipment 1-39339  
 el Ata-Doss, S. *see* Abu el Ata-Doss, S.  
 El Dessouky, S.S. *see* Radwan, R.M. 1-30788  
 El Fatatry, A. *see* Chalmers, D. 1-42265  
 El Gamal, A. The capacity of the physically degraded Gaussian broadcast channel with feedback 1-51763  
 El Gamal, A., Cover, T.M. Information theory of multiple descriptions 1-33421  
 El Gamal, A. *see* Cover, T.M. 1-29054  
 El Gamal, A. *see* Perez, F. 1-37584  
 El Guibaly, F., Colbow, K., Funt, B.L. Voltage dependence of the dark and photocurrents in semiconductor-electrolyte junctions 1-46029  
 El Hashmy, N.M., de Queiroz, J.F. Model reduction and stochastic approximation-sequential learning identification procedure of aggregated models applied to power system analysis 1-43586  
 El Zawawi, A., Baudon, Y., Ivanov, M. Dynamic analysis of an electromagnetically levitated vehicle using linear synchronous motors 1-35440  
 El Zawawi, A. *see* Baudon, Y. 1-31256  
 El-Abiad, A.A. *see* Lubkeman, D.L. 1-43677  
 El-Alaili, A.A., El-Din, O.A.S. A high speed two stage phase comparator 1-38807  
 El-Arini, M.B. *see* Martin Boerner, W. 1-41208  
 El-Azab, M.I. *see* Champness, C.H. 1-40454  
 El-Bayoumi, O.H. *see* Lagakos, N. 1-46489  
 El-Bayoumi, O.H. *see* Mohr, R.K. 1-28433, 1-28434, 1-46495, 1-46496  
 El-Dakhakhny, F. *see* Dragan, G. 1-38774  
 El-Dardiry, S.M.A. *see* Hill, R. 1-30578  
 El-Din, H.M. *see* Zein El-Din, H.M.  
 El-Din, O.A.S. A new very high-speed phase comparator 1-38808  
 El-Din, O.A.S. *see* El-Alaili, A.A. 1-38807  
 El-Dokany, I.M. *see* Abo El-Soud, S. 1-34659  
 El-Essawi, M. *see* Utiku, S. 1-39715  
 El-Gendi, M.S. *see* Saleh, M.A. 1-49498  
 El-Hawary, M.E. *see* Shamaly, A. 1-53398  
 El-Kady, M.A. *see* Bandler, J.W. 1-38654, 1-48978, 1-48979  
 El-Kareh, B. Exclusive OR, or bilevel detecting structure 1-40039  
 El-Khany, S.E. Identification of dispersive communication channels using Barker codes 1-37384  
 El-Khany, S.E. On generation, correlation and spectrum measurement of Barker codes 1-37420  
 El-Khany, S.E. On generation and measurement of combined Barker codes 1-41504  
 El-Khany, S.E. *see* Mandour, I.A. 1-51735  
 El-Markabi, M.H.S., Freeman, E.M. The electromagnetic field and shielding effect of a three phase helical winding placed coaxially inside a multiregion cylindrical conducting structure 1-53381  
 El-Masry, E.I. State-space switched-capacitor filter structures 1-32156  
 El-Masry, E.I. Design of switched-capacitor filters in the biquadratic state-space form 1-45508  
 El-Masry, E.I. *see* Attia, N. 1-45507  
 El-Sattar, A.A., Hefnawy, A.A. Harmonic analysis of thyristor circuits feeding three-phase passive loads 1-44214  
 El-Serafi, A.M., Shehata, S.A. Effect of the parameters of synchronous machines on their losses under thyristor load operation 1-53419  
 El-Serafi, A.M. *see* El-Sherbiny, M.K. 1-53421  
 El-Shaar, H.M. *see* Shinaishin, M.A. 1-34995  
 El-Sharkawi, M.A. *see* Yao-nan Yu 1-30624, 1-38689  
 El-Sherbiny, A.-M.A. Exact analysis of shielded microstrip lines and bilateral fin lines 1-37339  
 El-Sherbiny, A.-M.A. Hybrid mode analysis of microstrip lines on anisotropic substrates 1-47001  
 El-Sherbiny, M.K., El-Serafi, A.M. Effect of saturation on the dynamic performance of synchronous machines 1-53421  
 El-Shewy, H.M. New 12/18-pole in 72 slots p.a.m. winding 1-49473  
 El-Shirbeen, E.H.T. Performance optimisation of photovoltaic converter using microprocessor 1-49708  
 El-Soud, S. *see* Abo El-Soud, S.  
 El-Tanany, M.A., Hafez, H.M. A fast carrier recovery circuit for CPFSK signals 1-50471  
 El-Turky, F.M. Sensitivity sums of linear networks 1-45207  
 El-Wahab, M.A., Battawi, M.H. Timing with scintillation counters 1-34455  
 Ela, J.D. *see* Irwin, M.R. 1-29265  
 Elachi, C. Spaceborne imaging radar: geologic and oceanographic applications 1-30535  
 Elak, Yu.V., Tepitskii, M.G. Investigation of the operation of driving turbines of air blowers of an 800MW generating unit 1-31037  
 Elam, T. *see* Georgopoulos, P. 1-34540  
 Elam, W.T. Laboratory EXAFS facility hardware and software 1-34522  
 Elangovan, S. *see* Kanniyappan, C. 1-48966  
 Elangovan, S. *see* Krishnaparandhama, T. 1-30630  
 Elce, P.J., Humphrey, L.D. Analogue/digital codes for transmultiplexers 1-42042  
 Elchinger, M.-F., Martin, C., Fauchais, P. Measurement of the diffusivity of the ceramics injected by plasma technique 1-27136  
 Elder, G.R. *see* Low, S.S. 1-34921  
 Elder, R.J. Assessing pilot workload without disturbing pilot behavior 1-52857  
 Eldon, J. Digital signal processing hits stride with 64-bit correlator IC 1-45352  
 Eldon, J., Robertson, C. Single-board digital signal processor 1-41748  
 Eldon, J. *see* Bucklen, W. 1-41632, 1-45369, 1-50598  
 Eldridge, G.W. *see* Loh, K.W. 1-40540  
 Eldridge, G.W. *see* Thomas, R.N. 1-27104, 1-35940  
 Eldridge, J.M. Corrosion problems of metal conductor lines in integrated circuits 1-36574  
 Eldridge, J.M., Lee, M.H., Lerner, I. Alternate coating-sealing process for passivating Al-Mg substrates 1-45126  
 Eldridge, J.M. *see* Wen-Yang Lee 1-46085  
 Eldumati, I.I., Gaden, R.N., Sachs, N. The DSP-architecture and applications overview 1-46235  
 Elen, J.D., Hornsveld, E.M., van Beijnen, G.A.M., Franken, W.M.P., Nammensma, P., Roeterdink, J.A., Veringa, H.J. Technical superconductors for electromagnets 1-41196  
 Elen, J.D., Schinkel, J.W., van Wees, A.C.A., van Beijnen, C.A.M., Hornsveld, E.M., Stahlie, T., Veringa, H.J., Verkaik, A. Development of stabilized Nb<sub>3</sub>Sn wire containing a reduced number of filaments 1-32991  
 Elevant, T. A neutron spectrometer suitable for diagnostics of extended fusion plasmas 1-48657  
 Eley, R. Bargraph thermometer 1-34322  
 Eley, R. Alien attack [electronic game] 1-40152  
 Elfayoumi, A. *see* Metwally, M. 1-47770  
 ElGamal, A., Heegard, C. The capacity of computer memory with defects and noise 1-33468  
 Elgerd, O.I. Control of electric power systems 1-43482  
 Elgin, J.N., Fuli, L. The evolution equation for low gain free-electron laser system 1-51308  
 Eliasberg, G.B. *see* Kostelyanets, V.S. 1-31212  
 Elie, A. The ring core supply transformer 1-32425  
 Eliel, E.R., Hogervorst, W., Van Leeuwen, K.A.H., Post, B.H. A frequency-doubled frequency-stabilized CW ring dye laser for spectroscopy. A study of the  $\lambda=293.3$  nm transition in InI 1-28668  
 Elinek, V.I. *see* Dulitskaya, G.M. 1-32090  
 Elinson, M.I. *see* Balkara, Yu.I. 1-50262  
 Elinson, M.I. *see* Bukatova, I.L. 1-50518  
 Elioff, T. *see* Avery, R. 1-42826  
 Eliseev, P.G. Quaternary III-V systems for semiconductor sources of coherent and non-coherent radiation 1-50785  
 Eliseev, P.G., Kobayakova, M.Sh., Pak, G.T., Popovichev, V.V., Sokolov, S.N. Mesastripe injection heterolaser with heat removal through the substrate 1-37148  
 Eliseev, P.G., Morozov, V.N., Pashko, S.A., Sergeev, A.B., Skopin, I.A. Broadening of spectral modes of a semiconductor laser in the case of pulsations of the emission intensity 1-28729  
 Eliseev, P.G., Zavestovskaya, I.N., Poluektov, I.A., Popov, Yu.M. Theory of stimulated glide of dislocations in laser semiconductor crystals under strong pumping conditions 1-51472  
 Eliseev, P.G. *see* Aarik, J.A. 1-33239  
 Eliseev, P.G. *see* Bazhenov, V.Yu. 1-51471  
 Eliseev, P.G. *see* Bogatov, A.P. 1-28727, 1-37146  
 Eliseev, P.G. *see* Dolginov, L.M. 1-41089  
 Eliseev, P.G. *see* Vasil'ev, Yu.A. 1-28583  
 Eliseyeva, M.Ya. *see* Dvorskiy, E.E. 1-41917  
 Elizarenko, G.N., Yushchenko, I.A. Macrosimulation of operational amplifier microcircuits with regard for nonlinear effects 1-39940  
 Elkert, J. *see* Ivars, R. 1-30487  
 Elkhov, V.A. *see* Vorob'ev, A.V. 1-51526  
 Elkin, S. *see* Tartakovsky, M.B. 1-52783

- Elkins, D.F. *see* Iskander, M.F. 1-38276
- Elkonin, V.I. *see* Markyavichyus, S.P. 1-30169
- Ellacott, S.W. On the convergence of some approximate methods of conformal mapping 1-45025
- Ellemaue, P. *see* Deacon, D.A.G. 1-46661
- Ellentuck, E. Hyper-torre isols 1-31969
- Eller, A.I., Venne, H.J., Jr. Evaluation procedure for environmental acoustic models 1-42341
- Ellersick, F.W. *see* Brick, D.B. 1-29327
- Elliman, R.G., Harrison, B.G., Beanland, D.G. Electrical and physical analysis of indium implanted (111) silicon 1-36461
- Ellinger, H.D. *see* Hop kins, F.F. 1-35985
- Ellington, W.A. *see* Shack, W.J. 1-34723
- Elliott, C.R. *see* Faktor, M.M. 1-45971
- Elliott, R. *see* Clarricoats, P.J.B. 1-42334, 1-47079
- Elliott, R.D. *see* Clarricoats, P.J.B. 1-29037
- Elliott-Taylor, R. Maintenance must be regular for batteries to give best service [standby supplies] 1-49657
- Elliott, A.T. *see* Sutton, D.G. 1-30415
- Elliott, B.J., Hearn, E.W., Markovits, G., Watts, G.D. Method for characterizing low concentration ion implantations 1-50347
- Elliott, C.J. *see* Comly, J.C., Jr. 1-51349
- Elliott, C.M. On the finite element approximation of an elliptic variational inequality arising from an implicit time discretization of the Stefan problem 1-35919
- Elliott, C.T. New detector for thermal imaging systems 1-34281
- Elliott, D.F. Minimizing and equally loading switches or spatially shared drivers in a multiveice sequential time system 1-48162
- Elliott, D.F., Ayala, I.L. Impact of sampled data on an optical joint transform correlator 1-37640
- Elliott, D.F., Ayala, I.L. Analysis of an optical joint transform correlator with sampled-data inputs and outputs 1-37663
- Elliott, D.F. *see* Ayala, I.L. 1-37971
- Elliott, G. *see* Ahmed, N. 1-37557
- Elliott, I.B. An Atlas compiler—a unique approach 1-38559
- Elliott, J.C., Fachl, R.J., Fullbright, H.J., Moir, D.C., Swannack, C.E. Intense low-emittance-electron-gun development at PHER-MEX 1-43188
- Elliott, J.R. *see* Bartlett, D.F. 1-27768
- Elliott, R.C. Managed load distribution [ESS power plants economics] 1-42090
- Elliott, R.J., Davis, M.H.A. Optimal play in a stochastic differential game 1-50127
- Elliott, R.S. Antenna theory and design 1-49875
- Elliott, R.S. *see* Park, P.K. 1-29025, 1-51742
- Elliott, S.J. New technology for urban transport 1-35470
- Elliott, S.J. The economics of electric busways 1-35472
- Ellis, C. Voice processing in the office 1-47341
- Ellis, D.E. Underground transportation of men and materials—electrical engineering aspects 1-31556
- Ellis, I. Power switching relays 1-36386
- Ellis, M.J. *see* Stapinski, T.E. 1-38202
- Ellis, M.W. Integrated sensor control system for RF-5E demonstrator 1-48822
- Ellis, P.M. Use of a Liapunov function for establishment of a bound on the expected queue size in the M/M/∞ queue 1-35720
- Ellis, R., Dudge, D. Conceptual structure for traffic engineering equations 1-47339
- Ellis, S. Deciding on the right line [PABX equipment] 1-29528
- Ellis, T.J. *see* Wooderson, E.C. 1-33909
- Ellis Ripper, J. *see* Brosson, P. 1-37116
- Elison, A.J., Laithwaite, E.R. The teaching of 'electrical machines' 1-49893
- Elner, P.M., Stark, R.M. On the distribution of the optimal value for a class of stochastic geometric programs 1-31998
- Elouze, N. *see* Vernieres, F. 1-36124
- Ellsworth, D.L. *see* Goodnick, S.M. 1-50893
- Elmasry, M.I., Hamdy, E.Z. SDW MOSFET static memory cell 1-32262
- Elmasry, M.I., Roulston, D.J. Base component of gain and delay time in base-implanted bipolar transistors 1-36603
- Elmasry, M.I. *see* Mitchler, D.W. 1-52047
- Elmore, D. *see* Litherland, A.E. 1-48663
- Elms, R.T. *see* Engel, J.C. 1-31641
- Elmoubi, S., Gupta, S. Error rate performance of noncoherent detection of duobinary coded MSK and TFM in mobile radio communication systems 1-42196
- Eloholma, A., Haukula, P. YDV—public data network in accordance with international recommendations 1-51949
- Elphick, C. The construction of small planar magnetrons for sputtering use 1-32555
- Elrod, J.W., Menzel, H.G. Use of polymer/composite insulators in construction maintenance and temporary procedures 1-38790
- Elrod, S.A., Lue, J.W., Miller, J.R., Dresner, L. Metastable superconductive composites: dependence on stability on copper-to-superconductor ratio 1-28308
- Elsasser, D. *see* Schmid, W. 1-42483
- Elsden, M.J. *see* Ames, J.R.W. 1-33888
- Else, R.J. *see* Bennett, J.R.J. 1-48395
- Elsley, R., Richardson, J., Addison, R. Optimum measurement of broadband ultrasonic data 1-38631
- Elson, R.W. AMBLE: Automatic Memory-Board Loading Equipment 1-47495
- Elst, G., Straube, B. Large systems splitting and simulation 1-39674
- Elster, K.-H., Deumlich, R. On duality concepts for nonconvex optimization problems 1-44950
- Elsukov, V.S. *see* Baranov, B.K. 1-31571
- Elterman, L.J., Yau-Wu Tang Tactical switched network simulation and test results 1-29524
- Elterman, L.J. *see* Yau-Wu Tang 1-29249
- Eltoukhy, A.A., Roulston, D.J. Minority-carrier injection into diffused region of small n<sup>+</sup>-p junction 1-50814
- Eltoukhy, A.A. *see* Habib, S.E.-D. 1-28010, 1-46007
- Eltoukhy, A.H. *see* Greene, J.E. 1-35969
- Elwakad Zaghloul, M. Linear programming tolerance computation techniques for resistive networks containing linear and nonlinear elements 1-36062
- Elwell, D. Electrocrystallization of semiconducting materials from molten salt and organic solutions 1-39808
- Ely, R. *see* Parker, S.I. 1-43235
- Elyousfi, M. Nagi *see* Nagi Elyousfi, M.
- Elyukhin, V.A., Kocharyan, V.R., Portnoi, E.L., Ryvkin, B.S. Polarization of the emission in injection lasers 1-28732
- Elze, G. *see* Albrecht, W. 1-52106
- Elze, G. *see* Baack, C. 1-29770, 1-47809
- Elziq, Y.M. Automatic test generation for stuck-open faults in CMOS VLSI 1-46330
- Ema, Y., Hayashi, T. Observation of dark EMF in amorphous Se-Al contact [in Au-ASe-Al structure] 1-40458
- Eman, B. *see* Treado, P.A. 1-38416
- Emanuel, A.E., Gulachenski, E.M., Levitsky, F.J. Current transformer accuracy on pulse-burst-modulated circuits 1-39032
- Emanuel, A.E., Gulachenski, E.M., Levitsky, F.J. Current transformer accuracy on pulse burst modulated circuits 1-44152
- Emanuel, A.E. *see* Pileggi, D.J. 1-30726, 1-38752
- Emberger, G. *see* Diessner, A. 1-35279
- Embleton, C. Delayed output protected mono 1-36149
- Embrey, D.M. Thick film components 1-40323
- Emelchenko, G.A. *see* Demianets, L.N. 1-31777
- Emeleus, K.G. The forces acting on dust in positive columns 1-27743
- Emeleus, K.G. Note on normal cold cathode glow discharges 1-50735
- Emel'yanov, A.V., Kuz'micheva, G.M., Lavrishchev, V.P., Ufimtsev, V.B. Crystal-chemical aspects of the formation of MIS structures based on Al<sup>III</sup>B<sup>V</sup> compounds 1-40472
- Emel'yanov, A.V., Masloboev, Yu.P., Poltoratskii, A.A., Siris, R.A., Shokin, A.N., Shtofich, S.V. Semiconductor laser for integrated optics 1-28520
- Emel'yanov, V.V., Botsman, P.D., Shestak, L.K. Phase manipulator based on a digital frequency synthesizer with a delay line in the channel of a synchronisable generator. II 1-36302
- Emendorfer, D. *see* Owono, A.P. 1-53199
- Emerald, P. Advantages and applications of source-driven ICs 1-39893
- Emerson, N.D., Zahalak, G.I. Longitudinal electrode arrays for electromyography 1-43346
- Emeterio, J.L. San *see* San Emeterio, J.L.
- Emets, N.G. *see* Petrov, N.B. 1-38287
- Emil', A.R. *see* Alekseev, A.F. 1-45849
- Emin, D. Electrical and optical properties of amorphous thin films 1-40431
- Emirov, Yu.N. *see* Rizakhanov, M.A. 1-33113
- Emmanuel, A.E. Current harmonics injected in three-phase power systems by chopper controlled DC loads 1-53555
- Emmerling, M. *see* Kaspar, K. 1-48370
- Emmert, G.A. *see* Baker, C.C. 1-35016
- Emmett, R.W. *see* Hayashi, S.A. 1-52651
- Emmoth, B. *see* Miladenov, G.M. 1-46032
- Emms, D.J. *see* Massara, R.E. 1-27498
- Empoiz, H., Fages, R. A set function to cluster analysis 1-27006
- Emri, I.J. *see* Knauss, W.G. 1-39639
- Emrich, R.J., Katzer, J.R. EXAFS conference: crystals and focusing geometry workshop 1-34535
- Emrich, R.J., Katzer, J.R. EXAFS conference: detection systems 1-34539
- Ems, S.C. *see* Crittenden, R.R. 1-48579, 1-48614
- En-land, A.A., Rhoderick, E.H. The use of ion-bombardment for plating metal contacts onto semiconductors 1-36526
- En-Qiu Zhang Reply to comment on 'An interpretation of the magnetron problem' 1-40348
- Enache, R. *see* Bralu, L. 1-34850
- Enchevich, I.B. *see* Dinev, D.C. 1-48493
- Encrenaz, P. *see* Baudry, A. 1-42366
- Endler, J., Wilden, H. The crow's-nest antenna—a spatial array in theory and experiment 1-41413
- Endler, U. *see* Bretscher, M. 1-26949
- Endersz, G. Optical fibre cables 1-29733
- Endersz, G., Rodhe, P. Transmission measurements on optical fibre cables 1-29735
- Endo, F., Kichikawa, T. Initial breakdown field strength and area effect under DC voltages in SF<sub>6</sub> gas 1-32900
- Endo, H., Baba, K., Kiyoto, M., Matsumura, A. 'An approach to time-compressed vehicular communications using 60-GHz microwave' 1-29665
- Endo, K. *see* Hasui, K. 1-42118
- Endo, K. *see* Hosokawa, M. 1-48175
- Endo, K. *see* Kumagi, N. 1-52645
- Endo, K. *see* Moriyasu, S. 1-35154
- Endo, K. *see* Ninomiya, S. 1-48464
- Endo, M. *see* Miyahara, N. 1-46230
- Endo, N., Kurogi, Y., Suzuki, K., Sugimoto, M., Morimoto, M., Iida, Y., Mori, K. Custom LSI process with a micron geometry, partially using electron beam direct writing 1-46313
- Endo, N., Sekiguchi, T. Suppression of the diffracted waves by a conducting ribbon [reflector antennas] 1-41396
- Endo, N. *see* Saito, S. 1-46314
- Endo, N. *see* Suzuki, K. 1-51021
- Endo, S. *see* Nakanishi, H. 1-51256
- Endo, S. *see* Usujima, A. 1-45961
- Endo, S. *see* Yuuki, H. 1-33364
- Endo, T., Iizuka, N. Influence of the interference in second-order phase-locked loops with imperfect integrator 1-39997
- Endo, T. *see* Kamae, T. 1-33760
- Endo, T. *see* Kawaguchi, E. 1-29105
- Endo, T. *see* Kawaguchi, E.W. 1-34716
- Endo, Y., Obara, H., Noguchi, Y., Takaji, H., Jubo, Y., Tanada, I. New model of telecontrolling equipment for road information display system 1-52382
- Endou, H. *see* Yasuda, K. 1-37821
- Endrenyi, J. *see* Gallyas, K. 1-30620, 1-34762
- Endres, B. Possibilities of gilding of PCBs 1-50676
- Endres, W.K. Man-machine speech communication—a basis for new and improved services of the Deutsche Bundespost 1-29139
- Endress, V. Increasing power density in electric resistance furnaces—potentialities and limitations 1-53777
- Endy, C.E., Pen-Min Lin A minimization problem in systems characterized by acyclic signal flow graphs 1-44919
- Eneev, M.U. *see* Kordakov, V.N. 1-53742
- Eneva, A. *see* Dimitriev, Y. 1-40531
- Eng, K.Y., On-Ching Yue High-order intermodulation effects in digital satellite channels 1-47098
- Eng, K.Y., Stern, T.E. The order and type prediction problem arising from passive intermodulation interference in communications satellites 1-37327
- Eng, S.T. *see* Andersson, T. 1-51179
- Eng, S.T. *see* Bergman, L.A. 1-36911
- Eng, S.T. *see* Lundqvist, S. 1-52948
- Engan, H., Ingebrigtsen, K.A., Ronnekleiv, A. Characterization of SAW metal strip waveguides 1-32937
- Engel, H.A. Progress in recoil spectrometers for separation of fast nuclear reaction products 1-48660
- Engel, W. Introduction to plastic nuclear track detectors 1-48639
- Engel, A.Von *see* Von Engel, A.
- Engel, J.C., Elms, R.T., Hanson, R.E. An energy efficient solid-state controlled ballast for HPS lamps 1-31641
- Engel, L.H.M. *see* Diekema, A. 1-28492
- Engel, P.A., Kotrch, G.S. Pneumatically controlled assembler [IC technology] 1-27737
- Engel, W., Muhling, A. Power relay Z for application in electronic equipment 1-27665
- Engelbrecht, J.F. Application of surface acoustic wave devices 1-28213
- Engeldinger, R. *see* Gallet, G. 1-49632
- Engelhardt, J. *see* Lee, G. 1-30749
- Engelhardt, J. *see* McCourt, J.W. 1-34960
- Engelhardt, K. New electronic heating cost distribution system with direct heat assessment 1-44506
- Engelhardt, W. Intelsat V makes telephoning cheaper 1-47583
- Engelke, H., Greshner, J., Nehmix, P., Recktenwald, W. Annealing test method 1-27946
- Engelman, B. *see* Vencelj, A. 1-49187
- Engelmann, R. *see* Kirk, H.G. 1-43105
- Engelmann, R. *see* Willen, E. 1-43117
- Engelmann, R.W.H. Bandwidth formulas for chromatic limitation in optical fibres 1-33031
- Engelmann, R.W.H. *see* Ackley, D.E. 1-46728
- Engelmann, U. Electricity supply as a function of energy policy 1-43819
- Engelse, W.A.H. A special purpose highspeed signal preprocessing system 1-48744
- Engel'sht, V.S. *see* Mechev, V.S. 1-44535
- Engemann, J. AC admittance studies of Schottky diodes using a vector analyzer system 1-36592

- Engemann, J. *see* Konishi, S. 1-36811
- Engen, G.F. *see* Ebbeson, H.F. 1-48028
- Enger, C. *see* Persky, G. 1-46237
- Engl, R.O., Peterson, S.R., Thorne, J.P., Petersen, P.E. High-purity, single-crystal InP grown by synthesis solute diffusion 1-32049
- Englhauser, W.A., Schweig, M.E., Silva, R.E. Operations support systems 1-37838
- Engibaryan, V.A. *see* Oganessyan, S.G. 1-28851
- England, G. Railways and power: the linked networks 1-49032
- England, J.B.A., Hyams, B.D., Hubbeling, L., Vermeulen, J.C., Weilhammer, P. Capacitive charge division read-out with a silicon strip detector 1-48576
- England, R.H. *see* Ito, Y.M. 1-39641
- Engle, G.M. *see* Rosler, R.S. 1-40521
- Englefield, A.W. Education for engineering management 1-49888
- Engler, E.M., Lowe, A.C., Patel, V.V. Dyes for liquid crystal displays 1-52530
- Engler, E.M. *see* Tomkiewicz, Y. 1-27715
- Engler, G., Rapaport, M.S., Yores, I., Skurnik, E. Cross contamination of masses in surface ionization integrated target-ion-sources for on-line isotope separators 1-52661
- Engler, G. *see* Schmid, M. 1-48548
- Engler, J. *see* Behrend, H.-J. 1-43229
- Englert, G. *see* Strehl, P. 1-42927
- Englert, T., Tsui, D.C., Logan, R.A. A plasma resonance study of valley transfer in (001) Si inversion layers 1-46173
- Englert, T. *see* Eaves, L. 1-33122
- Englert, T. *see* Klitzing, K.V. 1-28030
- English, D. *see* Cadwallader, J. 1-34007
- Engmann, G.R., McCown, A.D. Expected switching life for safety related metal clad switchgear applied in a boiling water reactor generating unit 1-44275
- Engmann, G.R., McCown, A.D. Expected switching life for safety related metal clad switchgear applied in a boiling water reactor generating unit 1-49629
- Engquist, B., Osher, S. One-sided difference approximations for nonlinear conservation laws 1-39698
- Enin, A.S. *see* Andreev, V.A. 1-53149
- Enin, V.N., Kuznetsov, V.F. Discrete dynamic model of laser gyroscope 1-46814
- Enjun Zhu *see* Zhu Enjun
- Enk, F. Van *see* Van Enk, F.
- Enning, B. Retiming 2.24 Gbit/s and demultiplexing 2.24 to 1.12 Gbit/s in an optical transmission system by means of a single-gate field-effect transistor 1-47667
- Enning, B. *see* Albrecht, W. 1-52106
- Enning, B. *see* Baack, C. 1-47809
- Enobakhare, O.P. Propagation characteristics of three conductor dielectric-coated transmission lines 1-41268
- Enomoto, J. *see* Sonoda, K. 1-28183
- Enomoto, T. *see* Kobayashi, K. 1-37852
- Enomoto, Y., Sato, R. High-precision position detector 1-30256
- Enomoto, Y. *see* Matsubara, S. 1-44366
- Enomoto, Y. *see* Yamanaka, K. 1-52957
- Enrichens, F. *see* Olivero, S. 1-38470
- Enright, A. Air traffic control training 1-48833
- Enright, C.J., Jr. Staggered control pulse generator 1-36200
- Enrile Dominguez, F.J. The back-pressure turbine and energy saving 1-53252
- Enseleit, E. *see* Opitz, R. 1-31569
- Entenberg, A. *see* Kacenijs, S. 1-43252
- Entenmann, W. Monolithic integrated filters—an overview 1-27479
- Entine, G., Squillante, M.R., Serreze, H.B., Clarke, E. Fast, high flux, photovoltaic CdTe detector 1-34452
- Entine, G. *see* Becchetti, F.D. 1-38413
- Entine, G. *see* Correia, J.A. 1-34573
- Entine, G. *see* Norris, C.B. 1-45985
- Entingh, D. *see* Salasin, J. 1-49940
- Entress, G. *see* Dimitroff, M. 1-31868
- Enukova, T.A. *see* Pankratov, N.A. 1-30133
- Enya, S. *see* Kuriki, K. 1-30529
- Enzmann, W. *see* Schade, R. 1-47924
- Eom, H.J. *see* Fung, A.K. 1-41218
- Eom Hyo Joon *see* Hyo Joon Eom
- Epelboin, I., Froment, M., Garreau, M., Thevenin, J., Warin, D. Kinetic and morphological aspects of lithium electrodes at ambient temperature in propylene carbonate 1-44345
- Epherre, M. *see* Touchard, F. 1-52732
- Ephrath, L.M., DiMaria, D.J. Review of RIE induced radiation damage in silicon dioxide 1-46079
- Ephremides, A., Mowafi, O. Analysis of a hybrid access scheme for buffered users-probabilistic time division 1-29719
- Ephremides, A., Saadawi, T. Packet waiting time for multiple access channels 1-33712
- Ephremides, A. *see* Baker, D.J. 1-37866
- Ephremides, A. *see* Greene, E.P. 1-37670
- Ephremides, A. *see* Saadawi, T. 1-29245
- Ephremides, A. *see* Saadawi, T.N. 1-41840
- Epitropova, A.Ch. *see* Nenov, D.A. 1-30471
- Epler, F.A. *see* Fuller, R.M. 1-29658
- Epler, J. *see* Verdeyen, J.T. 1-51387
- Eppel, J.C., McNeill, W.E. A mobile automatic test system. II. [research aircraft instrumentation] 1-47885
- Eppel, J.C., McNeill, W.E. A mobile automatic test system. I. [aircraft instrumentation] 1-34658
- Eppeldauer, G. *see* Szabo, R. 1-40711
- Eppler, W.G. *see* Firschein, O. 1-41713
- Eppler, W.G. *see* Kugliin, C.D. 1-47958
- Epplert, R. *see* Sakauye, G. 1-46333
- Epshtein, I.Ya., Nagarev, S.V. Measurements of switching overvoltage in HV networks in quarries 1-43805
- Epshtein, L.E. *see* Gorokhov, V.P. 1-41014
- Epshtein, R.M., Gagin, M.L. Electrical equipment for adjustable-blade hydro-electric turbines 1-38920
- Epstein, B.G. *see* Genoni, T.C. 1-48306
- Epstein, B.G. *see* Miller, R.B. 1-48397
- Epstein, B.G. *see* VanDevender, J.P. 1-33376
- Epstein, G. The fifth colloquium on electrical energy and the environment 1-30850
- Epstein, H.M. *see* Mallozzi, P.J. 1-34529
- Epstein, K., Moore, F.T., Dahlberg, E.D., Goldman, A.M. Gain control interface for a nanovoltmeter 1-48143
- Epstein, V.Sh. *see* Arkhipkin, V.G. 1-51521
- Epworth, R.E., Pettitt, M.J. Polarization modal noise and fiber birefringence in single-mode fiber systems 1-36909
- Er, J.P. *see* Srinivasan, V. 1-51533
- Er, M.H. *see* Srinivasan, V. 1-51533
- Era, H. *see* Akiyama, J. 1-31984
- Erbiste, P.C. Hydraulic gates: the state-of-the-art 1-43995
- Erche, M. Switching surges 1-30676
- Erdelyi, C.K. Low-power inverter driver circuit 1-27264
- Erdi, G., Schwartz, S., Bernardi, S., Jung, W. IC op-amp combines low noise with precision and high speed 1-36096
- Erdman, K.L. *see* Baartman, R. 1-48338
- Erdos, P. A survey of problems in combinatorial number theory 1-26976
- Erdos, P. On the combinatorial problems which I would most like to see solved 1-39569
- Erdos, P. On the irrationality of a certain series 1-50066
- Erdos, P., Harary, F., Klawe, M. Residually-complete graphs 1-27014
- Erdos, P. *see* Chung, F.R.K. 1-39568
- Eremenko, L.Ya., Tikhonov, V.Yu. Automatic load shedding for a power unit equipped with T-100-130 turbines 1-43918
- Eremia, M. *see* Aric, A.A. 1-38765
- Eremia, M. *see* Gadola, S. 1-43685
- Eremia, V.V. *see* Avenirov, A.K. 1-52709
- Erez, G. *see* Lavi, S. 1-33258
- Erez, G. *see* Tenenbaum, J. 1-28634
- Erf, R.K. Application of laser speckle to measurement 1-51548
- Erganzhiev, N.A. *see* Dzhakoniya, V.E. 1-52267
- Erglis, I.K. *see* Vaganov, V.I. 1-48065
- Erglis, K.E. Spatial errors and resolution of nearby tracks during parallel tracking in terms of images on photographic frames 1-30354
- Erglis, K.E. Simulation of spatial tracking in a large bubble chamber 1-30355
- Erickson, D. PC laminate materials 1-27678
- Erickson, D. Chip carriers: coming force in packaging 1-44701
- Erickson, D. Wire termination: the state-of-the-art 1-50660
- Erickson, D.C. Bonneville Power Administration (BPA) experience with millimeter (38 GHz) wave communications systems 1-29595
- Erickson, D.C. Bonneville Power Administration (BPA) experience with millimeter (38 GHz) wave communications systems 1-33930
- Erickson, N.R. A 200-350-GHz heterodyne receiver 1-42367
- Ericksson, M. *see* Thompson, D.J. 1-48292
- Ericson, T., Korner, J. An iteration lemma and its application to successive coding of multiple sources 1-33547
- Ericson, T.H.E. Modulation by means of linear periodic filtering 1-41482
- Ericson, T.H.E., Ingemarsson, I. A two-way communication problem with application to information retrieval 1-51757
- Ericsson, J.E., Haggard, L. The microcomputer in measuring instruments 1-38092
- Erikson, G.R. *see* Greene, J.E. 1-50811
- Eriksrud, M., Lauritzen, S., Rye, N. Evaluation of transmission loss in optical fiber cables by means of the backscattering technique 1-33074
- Eriksson, G. An interpolative A/D converter with adaptive quantizing levels 1-29579
- Eriksson, J.-T. *see* Arkko, A. 1-31246
- Eriksson, L. *see* Pahlm, O. 1-52789
- Eriksson, L.E. *see* Egnell, L.E. 1-29761
- Eriksson, S. *see* Fjallbrant, T. 1-51889
- Eriksud, M. *see* Mickelson, A.R. 1-51166
- Erisman, L.R. *see* Higgins, R.L. 1-30526
- Erk, W. Van *see* Van Erk, W.
- Erkkila, J.H. Incident-wave expansion for laser coupling to spherical targets 1-28760
- Erlander, S. Entropy in linear programs 1-44990
- Erlansson, B. *see* Ivarsson, A. 1-43315
- Erler, H.J. *see* Reisse, G. 1-35973
- Erlinger, W.G. *see* Wenzel, R.J. 1-45618
- Ermak, A.N. *see* Venger, A.Z. 1-36344
- Ermakov, O.N. *see* Golovanov, Yu.A. 1-41029
- Ermakov, V.F. Derivation of a group load diagram with the aid of an electronic model 1-34863
- Ermakov, V.V., Kalitkin, N.N. Optimal step length and regularisation of Newton's method 1-45037
- Ermanis, F. *see* Chin, A.K. 1-33163
- Ermirov, I.V. *see* Vereshchagin, I.P. 1-41193
- Ermiš, M., Arikian, C. The modelling and analysis of a vertical axis wind-turbine driven self-excited induction generator 1-53332
- Ermisch, J. *see* Brendler, W. 1-53516
- Ermolov, I.N. *see* Grebennik, V.S. 1-39830
- Ermolov, I.N. *see* Zonov, I.V. 1-45151
- Ernberg, J. Manufacturers'/suppliers' role in the development of training and performance aids 1-49891
- Erne, S.N., Lubbig, H. The influence of self-coupling in Josephson junctions on the lower threshold of the I-V characteristic 1-28335
- Erne, S.N., Luther, H. A method for determining the SQUID parameter  $\beta$  and the coupling coefficient K in a nonhysteretic RF SQUID 1-40860
- Erne, S.N., Parmentier, R.D. Microwave radiation from long Josephson tunnel junctions 1-28334
- Erne, S.N., Parmentier, R.D. Fluxon propagation, zero-field steps, and microwave radiation in very long Josephson tunnel junctions 1-36848
- Erne, S.N., Parmentier, R.D. Loading effects on Josephson junction fluxon oscillators 1-40858
- Ernest, R.B. Flare-mounted PCB standoff is secure, can serve as solderable connector 1-45793
- Ernould, J., Jussiant, C. The computer system in the regional dispatching center in Charleroi 1-30634
- Ernst, B.F. VHF and UHF Doppler direction finders for position finding in built-up areas 1-29816
- Ernst, B.F. The location of transmitters in a town by means of metric and decimetric wave Doppler radiogoniometers 1-47556
- Ernst, G. *see* Baer, E. 1-30956
- Ernst, G. *see* Dittrich, H. 1-30954
- Ernst, G.J. A new excitation system with improved properties for pulsed gas lasers 1-33181
- Ernvall, J. *see* Nevalainen, O. 1-35800
- Erofeichev, V.G. *see* Gorin, E.A. 1-33117
- Eroshina, E.Ya. *see* Bechuk, T.S. 1-27176
- Errey, K.H. *see* Fujii, K. 1-51342
- Ersak, A. *see* Huseyin, O. 1-53459
- Ershov, A.M., Petrov, O.A. Analysing the structure and investigating the dynamic properties of an automatic compensation system 1-53141
- Ershov, K.G., Esipenko, I.N., Maleev, A.M., Mikaelyan, R.G., Noskova, T.A. On the possibility to use dye non-silver sound tracks in color release prints on multi-layer motion picture film 1-42487
- Ershov, V.V., Kats, L.I., Kulakovskii, A.V. High-level UHF power transducers 1-36329
- Ershov, V.Ya. *see* Makhnenko, V.I. 1-31719
- Ershova, S.A. *see* Novikova, E.M. 1-32059
- Erskine, D.J. *see* Frigo, N.J. 1-51551
- Ersoly, L. *see* Pathak, P.H. 1-41318
- Ersoly, L. *see* Yeongming Hwang 1-47006
- Ertelt, R. Hierarchical system control and its application to the Bildschirmtext center 1-51941
- Ertelt, R., Rutzler, D. Multiple microcomputer realization for Bildschirmtext center equipment 1-29404
- Erteza, A. Coherent reflection of a Gaussian beam at optical frequencies from a large convex mirror 1-46776
- Ertl, W., von Tubeuf, M. Ten years operation of the hydroelectric power stations of the Donau-Wasserkraft AG 1-49321
- Eruslanova, O.M. *see* Pliskin, Yu.S. 1-52456
- Erven, J.H. *see* Allan, C.J. 1-34456
- Ervens, W. *see* Bechtold, V. 1-51092
- Ervik, M. Vibration damping on long fjord crossings. Theoretical investigations 1-43731
- Erwe, R., Dirks, H. Modelling bipolar transistors using a pocket calculator 1-40559
- Erwin, C.W. Pattern reversal evoked potentials 1-38508
- Erwood, A.F., Xydeas, C.S. Reduction of acoustic noise in speech signals by pre-processing and spectral subtraction 1-51844
- Esack, A. *see* Carleton, G. 1-44643
- Esaki, L. InAs-GaSb superlattices: synthesized narrow-gap semiconductors and semimetals 1-36485
- Esaki, L. InAs-GaSb superlattices—synthesized semiconductors and semimetals 1-40395
- Esaki, L. *see* Chin-An Chang 1-39766
- Esashi, M. *see* Matsuo, T. 1-50925
- Escout, A. *see* Oustry, A. 1-40457
- Esche, M., Igelbuscher, H. The economical flue gas desulfurization system with gypsum production using the Saarberg-Holter process (SHU) 1-43884
- Eschenbach, R. *see* Freret, P. 1-29460
- Eschenbach, R. *see* Yiu, K.P. 1-29821

- Eschenbach, W. Fixed width confidence intervals for boundary parameters of distributions 1-50146
- Eschenbacher, P.W. *see* Burrus, C.S. 1-45070
- Escher, J.S., Gregory, P.E., Hyder, S.B., Saxena, R.R., Bell, R.L. Photoelectric imaging in the 0.9-1.6 micron range 1-36426
- Eschstruth, P. *see* Augustin, J.E. 1-43230
- Eschwei, M. *see* Onishi, S. 1-32076
- Eschweiler, R. *see* Beckers, H. 1-52266
- Escobosa, A. *see* Beneking, H. 1-39803
- Escudero, R. *see* Will, T. 1-40476
- Esdale, D.J., Howes, M.J. A reflection coefficient approach to the design of one-port negative impedance oscillators 1-45315
- Eser, F. Concept of a communication mechanism with respect to a distributed multi-microcomputer system 1-47403
- Esguevilas Ramos, L. Surface MTI radars. Characteristics and basic limitations 1-47721
- Eshbaugh, K.S. *see* Sanders, T.J. 1-40075
- Esho, S. *see* Gokan, H. 1-32772, 1-50885, 1-50886
- Esho, S. *see* Urabe, S. 1-36793
- Esipenko, I.N. *see* Ershov, K.G. 1-42487
- Es'kin, V.D. Contactless AC potentiometers for measuring displacements 1-40238
- Eskola, E. Trends in Finland's electricity supply 1-30672
- Esparza Olcina, R. Control circuits for static inverters 1-50415
- Espelund, R.H. *see* Rush, C.M. 1-33351
- Espi, J. *see* Dede, E.J. 1-36135
- Espiau, B., Andre, G. Sequential algorithms related to optical proximity sensors 1-52582
- Espósito, B. *see* Basile, M. 1-43250, 1-43251
- Esposto, F. *see* Bonaventura, G. 1-29728
- Esqueda, P.D. *see* Schmidt, P.E. 1-45926
- Essaid, A., Martinez, A., de Mattos, A.C.F., Sarabayrouse, G. Boron profile in implanted SiO<sub>2</sub> on silicon substrate; comparison between theory and experiment 1-40511
- Essaid, A. *see* Sarabayrouse, G. 1-28023
- Esselman, W.H. Role for alternate energy resources 1-49216
- Essen, A.A. *see* van Essen, A.A.
- Essen, H.A. *see* van Essen, H.A.
- Essen, L. Leap seconds [transfer from astronomical to atomic time] 1-42754
- Essen, R. *see* von Essen, R.
- Esser, J. Construction and operation of telephone line networks. II 1-37693
- Esser, P.D., Lister, D.B., Johnson, P.M. Fluorescent thyroid imaging. Physical evaluation of an alternative instrument 1-34615
- Esser, A.I. *see* Al Esser
- Essig, M., Geiger, J. Broadening of the energy distribution of thermal-field emitted electrons from carbon fibres 1-40342
- Essl, R. Vacuum measurements using positive temperature coefficient resistances 1-38311
- Estabrooks, J.R. *see* Rosenberg, S.A. 1-44246
- Esteban, D., Galand, C. Multipoint implementation of real time 16 Kbps sub-band coder 1-37473
- Esteban, D., Galand, C. HQMF: Halfband Quadrature Mirror Filters 1-37601
- Esterowitz, L. *see* Chicklis, E.P. 1-51406
- Esterowitz, L. *see* Marquardt, C.L. 1-46796
- Estes, C.B. *see* Turner, W.C. 1-31640
- Estes, G.E. Delivering quality software services 1-37839
- Estes, M.F., Zimmer, D., Jr. New temperature probe locates circuit hot spots 1-38167
- Esteve, D., Vialaret, G., Therez, F. The silicon concentrator photovoltaic generator Sophocles: performance and costs based on material characteristics 1-53640
- Estrada, H. *see* Levine, M. 1-31694
- Estrada, R. *see* Bagstad, B. 1-40332
- Esvel, H. *see* van Esvel, H.
- Eswaran, C., Ganapathy, V. On the stability of digital filters designed using the concept of generalized-immittance convertor 1-40112
- Et-Tabirou, M. *see* Parent, C. 1-33133
- Etcheberry, A. *see* Mariette, H. 1-35951
- Éfemeze, N.A. *see* Galushko, A.I. 1-31166
- Eterno, J.S. *see* Mehra, R.K. 1-31041
- Etheridge, A.J. Corrosion liability testing of non-corrosive soft soldering fluxes 1-26927
- Etiemble, D. Multi-valued integrated circuits for signal transmission 1-32301
- Etienne, P. *see* Linh, N.T. 1-27827
- Etkin, V.S. *see* Il'in, V.A. 1-28364
- Etlicher, B. *see* Felch, K.L. 1-51301
- Etlinger, B., Mitra, V., Petrovic, B. Photovoltaic properties of In<sub>2</sub>Se<sub>3</sub>/Si heterojunction 1-36502
- Etoh, Y. *see* Kobayashi, H. 1-41784
- Étounneau, J. *see* von Molnar, S. 1-45956
- Etsin, I.S. *see* Kapralov, V.P. 1-52593
- Etten, W.C. *see* van Etten, W.C.
- Ettenberg, M., Olsen, G.H., Channin, D.J. The reliability of light sources (LEDs and lasers) for fiber optical communications 1-46820
- Etter, D.M., Masukawa, M.M. Performance of adaptive delay algorithms on unimodal and non-unimodal error functions 1-37551
- Etter, D.M., Masukawa, M.M. A comparison of algorithms for adaptive estimation of the time delay between sampled signals 1-41776
- Etter, D.M., Stearns, S.D. Adaptive estimation of time delays in sampled data systems 1-41669
- Etter, P., Frey, H. Quality assurance for electronic systems used in traction vehicles 1-35425
- Ettinger, Y., Frank, G. A probability approach for the optimization of the PERT network and investments in R and D projects 1-31830
- Etzel, M.H., Jenkins, W.K. Hardware implementation of failure-resistant residue number digital filters 1-45540
- Eu, V. *see* Feng, M. 1-45927, 1-50875
- Eu-Cheng, L. Laser action in a lead hollow cathode discharge and its excitation mechanism 1-28633
- Eue, H.-J. The rehabilitation of a coal conveyor system at Frimmersdorf power station following a fire 1-44646
- Eugene Yu-Tze Chen, Schnobrich, W.C. Models for the post-cracking behavior of plain concrete under short term monotonic loading 1-39644
- Eui Tock Kang *see* Ki-Seon Lee 1-27863
- Euler, K.J. *see* Eberts, K. 1-38701
- Euler, K.-J. Thermal energy from battery MnO<sub>2</sub> 1-31397
- Euler, K.-J. Research in the field of batteries and fuel cells 1-35331
- Euler, W.C., Jacobson, L.J. Perspectives on the civil use of Navstar/GPS 1-42354
- Eun, S. *see* Litman, B. 1-52221
- Eustace, K.J. Dynamic design analysis applied to car design 1-39249
- Evalanov, E.N., Lebedev, Yu.V. Characteristics of a cooled SHF source of O, H, and D atomic beams 1-38388
- Evans, B.G., Holt, A.R. Frequency scaling at millimetre wave frequencies [radiowave propagation] 1-46855
- Evans, B.G., Smith, C.A.M., Marchinton, A. Radomes for satellite communication earth-stations 1-41446
- Evans, B.G. *see* Dilworth, I.J. 1-33339, 1-46909
- Evans, B.G. *see* Gupta, G.S. 1-41445
- Evans, B.G. *see* Jones, R.E.M. 1-26790
- Evans, B.G. *see* Shepherd, J.W. 1-46856
- Evans, B.J. *see* Xueyu Qian 1-45127
- Evans, C.A. *see* Johnson, N.M. 1-46002
- Evans, C.A., Jr., Hopkins, C.G., Norberg, J.C., Deline, V.R., Plattner, R.J., Wilson, R.G., Jamba, D.M., Park, Y.S. Redistribution of S and Cr in thermally annealed, sulphur implanted, semi-insulating GaAs 1-27823
- Evans, C.A., Jr. *see* Favennec, P.N. 1-32750
- Evans, C.A., Jr. *see* Magee, T.J. 1-32629, 1-40382, 1-50748
- Evans, C.J. Using tin as a connector finish. I 1-40286
- Evans, C.J. Using tin as a connector finish. II 1-45750
- Evans, C.W., Hsieh, D.M. Fixed read-only in which engineering changes are facilitated 1-40044
- Evans, D.C. *see* Koch, R.F. 1-48799
- Evans, D.D. Calculated operating temperatures of thermally insulated electric cables 1-53100
- Evans, D.D. *see* Mattie, M.G. 1-48871
- Evans, D.H., Parton, L. The directional characteristics of some ultrasonic Doppler blood-flow probes 1-30428
- Evans, D.J., Hadjimos, A. Parallel solution to certain banded, symmetric and centro-symmetric systems by using the quadrant interlocking factorisation method 1-45040
- Evans, D.J. *see* Missirlis, N.M. 1-45041
- Evans, D.J. *see* Murphy, C.P. 1-45034
- Evans, D.J. IEEE Working Group report of problems with hydrogenerator thermostat stator windings. I. Analysis of survey 1-44044
- Evans, D.L. IEEE working group report of problems with hydrogenerator thermostat stator windings. I. Analysis of survey 1-44050
- Evans, D.L. *see* Brennan, F.L. 1-44051
- Evans, F.I. *see* Dias, M. 1-33601
- Evans, J.B. Meteorology and infrared measurements 1-52953
- Evans, J.E., Sun, D.F. Comparison of various elevation angle estimation techniques 1-29795
- Evans, J.H. More automation and less switchgear 1-34848
- Evans, K., Jr. *see* Baker, C.C. 1-35016
- Evans, K.D. *see* Fraser, G.W. 1-30343, 1-30344
- Evans, K.T. The impact of technology on diagnostic radiology 1-30413
- Evans, L. *see* Barisy, A. 1-42917
- Evans, L.R. *see* Boussard, D. 1-48497
- Evans, P.R. ICA's role in telecommunications degree programs: a user's perspective 1-26825
- Evans, R.H. *see* Thomson, J.M. 1-33366
- Evans, R.P., Pointer, D.D. Testing capacitors at Delmarva power 1-48970
- Evans, R.T., Mance, R.J. Cost reduction for gold plated contacts 1-27651
- Evans, R.T., Segal, Z., Troigisch, R.E. Power cabling transition connector 1-45747
- Evans, W.D., Fenimore, E.E., Klebesadel, R.W., Laros, J.G., Terrell, N.J. Gamma-burst observations from the Pioneer Venus Orbiter 1-30490
- Evans, W.M. *see* Cockerill, D. 1-43233
- Evci, C.C., Steele, R., Xydeas, C.S. DPCM-AQF using second-order adaptive predictors for speech signals 1-41532
- Evdokimov, V.M., Milovanov, A.F. Photo-EMF in semiconductor heterostructures under intense illumination 1-50818
- Eve, M. System design for long-haul video transmission 1-42250
- Eveleigh, R. Thyristors provide faster p.f. control 1-34737
- Evequoz, H., Jaccard, J. A nonconforming finite element method to compute the spectrum of an operator relative to the stability of a plasma in toroidal geometry 1-35924
- Everaarts, K. *see* Noordanus, J. 1-29607
- Everett, D. *see* Quarendon, S. 1-47394
- Everhart, R.W. *see* Motley, C.H. 1-37835
- Everhart, T.E. *see* Shimizu, R. 1-40487
- Everitt, F.C., Nunziato, A. Planning and control for GTD-5 EAX manufacture 1-33885
- Everson, J.H., Aldrich, R.E., Albertinetti, N.P. Discrete actuator deformable mirror 1-36994
- Everson, R.M. Digital sine-wave generator 1-27348
- Evert, R.C. *see* Bonneau, R.J. 1-42574
- Evseev, V.I. *see* Grinev, A.Yu. 1-51229
- Evstaf'ev, E.N., Ipatov, V.P. Synthesis of an optimum shortening filter 1-45448
- Evtikhov, M.G. *see* Balkarei, Yu.I. 1-50262
- Evyukhin, N.V. Carbon dioxide gasdynamic laser utilizing combustion products of C<sub>2</sub>H<sub>2</sub>-CO-N<sub>2</sub>-O<sub>2</sub> mixtures 1-51371
- Evyukhov, K.N. *see* Golyaev, Y.D. 1-33250
- Eweda, E. *see* Macchi, O. 1-37480
- Ewing, A.G., Withnell, R., Wightman, R.M. Instrument design for pulse voltammetry with microvoltammetric electrodes 1-38232
- Ewins, A.J. Divide by (2n-1) 1-27446
- Ewy, K.A., Kallesen, D.R., Stetson, L.E., Hanson, R.E. Investigation of power line and irrigation system compatibility 1-43739
- Excell, P.S. *see* Howson, D.P. 1-27746
- Exoo, G. *see* Akiyama, J. 1-35816
- Eyer, M.K., Brandestini, M.A., Phillips, D.J., Baker, D.W. Color digital echo/Doppler image presentation 1-30426
- Eyraud, L., Eyraud, P., Gonnard, P., Troccaz, M. Properties improvement of P.Z.T. ceramics with multiple substituents 1-40741
- Eyraud, P. *see* Eyraud, L. 1-40741
- Eyssa, Y.M. *see* Shintomi, T. 1-28374
- Eyssele, H. *see* Gockler, H. 1-29192
- Ezekiel, S. *see* Ponikvar, D.R. 1-51523
- Ezell, G.R. Response irregularities in extrinsic silicon detectors 1-52479
- Ezis, A., Morgan, D.V., Howes, M.J. Ion implanted cathode doping notches in GaAs Gunn material 1-36562
- Ezis, A. *see* Morgan, D.V. 1-45925
- Ezovit, G.P. *see* Blavdzovich, Yu.G. 1-44071
- Ezura, E., Raka, E.C. Calculations of capture efficiency of the debunched stack in ISABELLE 1-43022
- Ezzeddine, A., Kong, J.A., Tsang, L. Transient fields of a vertical electric dipole over a two-layer nondispersive dielectric 1-41298
- Ezzet, E.H. *see* Allos, J.E. 1-50467
- Fa, C. *see* Del Fa, C.
- Fabbri, F.L. *see* Baldini-celio, R. 1-27355
- Fabbro, R. *see* Del Fa, C.
- Faber, M. *see* Potts, C. 1-48376
- Faber Andersen, E., Mogensen, G., Tolstrup Nielsen, P. Optical digital broadband networks of three generations 1-42268
- Fabhaber, P. Impulse response and linear equivalent circuit of semiconductor-photodetectors 1-30119
- Fabian, C. Convex mixed-integer nonseparable programming 1-44974
- Fabian, W. *see* Vorhaus, J.L. 1-32217
- Fabjan, C.W. High-speed event trigger and processor for the ISR axial field spectrometer 1-43258
- Fabjan, C.W., Willis, W., Gavrilenko, I., Maiburov, S., Shmeleva, A., Vasiljev, P., Chernyatin, V., Dolgoshein, B., Kantserov, V., Nevski, P., Sumarokov, A. Practical prototype of a cluster-counting transition radiation detector 1-48585
- Fabjan, C.W. *see* Botner, O. 1-34444
- Fabjan, C.W. *see* Cockerill, D. 1-43233
- Fabjan, C.W. *see* Deutschmann, M. 1-34480
- Fabjan, C.W. *see* Ludlam, T. 1-34481
- Fabre, E., Belouet, C. Ribbons and sheets as an alternative to ingots in solar cell technology 1-50314
- Fabre, J.J., Leroy, Y. Thermal noise emission of a lossy material for a TEM propagation 1-41232
- Fabre, J.M. *see* Beniere, F. 1-45958
- Fabricant, D.G. *see* Gorenstein, P. 1-34472
- Fabrizi, E., Johnson, D., Resmini, F.G. The extraction system for the K-500 cyclotron at MSU 1-38345

- Fabrizi, E., Resmini, F.G. A survey of beam dynamics prior to extraction in the K-500 cyclotron at MSU 1-34411
- Fabrizi, E. *see* Acerbi, E. 1-42896
- Fabrizi, E. *see* Resmini, F.G. 1-43058
- Fabrizi, D. Planning the electrical system of a residential complex 1-53082
- Fabry, A. *see* De Leeuw, S. 1-38439
- Facca, R. *see* Dours, D. 1-29144
- Fadda, A. *see* Bonati, A. 1-42148
- Faddeev, I.P. *see* Kirillov, I.I. 1-35001
- Fadeev, A.V. *see* Kulakov, M.P. 1-39735
- Fadeev, A.V. *see* Lyubarskii, V.G. 1-31210
- Fadel, M.A., Abdalla, A.A., Hamied, M.A. Degradation of polycarbonates with fast neutrons and gamma rays and its application in radiation dosimetry 1-52817
- Fadrhons, J. Predicting phase noise spectrum in digital frequency synthesizers 1-32218
- Faehl, R.J. *see* Elliott, J.C. 1-43188
- Faenov, A.Ya. *see* Boiko, V.A. 1-30384
- Fages, R. *see* Emptoz, H. 1-27006
- Fagg, W.L. *see* Kubota, S.P. 1-34202
- Faggioli, E. *see* Carli, N. 1-38149
- Fahey, F.H. *see* Zimmerman, R.E. 1-34574
- Fahim, A.A. *see* Saleh, M.A. 1-49645, 1-49646
- Fahim, M.A., Weygandt, C.N., Fegley, K.A. Design of power system state estimator 1-38714
- Fahim, M.A., Weygandt, C.N., Fegley, K.A. Design of a power system state estimator 1-43549
- Fahlsing, R.F. *see* Chum, H.L. 1-31478
- Fahmie, M. *see* Magyary, S. 1-38333, 1-42922
- Fahmy, M.F., Sobhy, M.I. Double-sided Padé approximants and the stability of recursive digital filters 1-45528
- Fahmy, M.M. *see* Aly, S.A.H. 1-40121, 1-40128, 1-45530, 1-45544
- Fahmy, S. *see* Ballmer, U. 1-30987
- Fahnle, M. Radiation effects on superconductivity in Al<sub>5</sub> materials 1-51116
- Fahrenholtz, S.R. *see* Bowden, M.J. 1-45799
- Fahrenkrog-Petersen, D., Leibold, H. Discriminating protection in subsystem design 1-49178
- Fahrman, H.-H. On the convergence of values during optimal stopping of stochastic processes in the case of a quadratic gain function 1-50168
- Fahrman, K. *see* Albert, D. 1-48543
- Fahrner, W.R. *see* Knoll, M. 1-46008
- Fairberg, A. *see* Brando, T. 1-34483
- Fainer, M.Sh. *see* Adol'f, E.M. 1-32903
- Fainshtein, A.I. *see* Kal'nitskii, A.P. 1-30219
- Fair, R.B. Molecular transport and diffusion in solids 1-46033
- Fair, R.B. Oxidation, impurity diffusion, and defect growth in silicon—an overview 1-46070
- Fairburn, J.B. Design for developing countries 1-44305
- Fairfield, M.J. *see* Clark, A.P. 1-51998
- Fairhurst, K., Lee, D., Robertson, D.S., Parfitt, H.T., Wilgoss, W.H.E. A study of vapour phase epitaxy of indium phosphide 1-32063
- Fairman, F.W. *see* Hinamoto, T. 1-47183
- Fairman, R.D., Oliver, J.R. Growth and characterization of semi-insulating GaAs for use in ion implantation 1-27105
- Fairs, R.A. Power supply metering 1-32167
- Faivre, D., Turck, B. Current sharing in an insulated multistrand cable in transient and steady state current conditions 1-28397
- Fakatselis, J. Missile grade laser gyro 1-52893
- Fakheri, A.J. *see* Shperling, B.R. 1-34842, 1-43723
- Faktor, M.M., Ambridge, R., Elliot, C.R., Regnault, J.C. The characterisation of semiconductor materials and structures using electrochemical techniques 1-45971
- Faktor, M.M. *see* Brander, R.W. 1-35960
- Falaretov, G.A. *see* Lashevskii, P.A. 1-28119
- Falcia, R. *see* Brenci, M. 1-48747, 1-51196
- Falciasacca, G. *see* Chiarini, F. 1-52167
- Falco, C.M. *see* Lee, T.W. 1-32995
- Falco, C.M. *see* Zheng, J.Q. 1-32959
- Falco, F.De *see* De Falco, F.
- Falcone, V.J., Jr., Abreu, L.W. Millimeter wave propagation modeling 1-46889
- Falconer, D.D. Adaptive-reference echo cancellation for full-duplex two-wire digital transmission 1-29593
- Falconer, D.G. *see* Ostrom, J.S. 1-37509
- Falconer, W.E., Skrzypczak, C. The Bell System—on its way to a digital network 1-52036
- Falda, A. Pluggable stacked module 1-50015
- Falecki, Z., Ordega, J. Technology assessment in energy supply-demand model 1-31829
- Falin, G.I. Switching systems with allowance for repeated calls 1-33708
- Falk, J. *see* See, Y.C. 1-33246
- Falkenberg, E., Hahn, H. Information analysis of power distribution networks 1-53081
- Falkovich, S.A. A two-dimensional array of piezoelectric elements with electrical scanning 1-38617
- Falk'ovskii, V.O. *see* Matrenichev, A.M. 1-44138
- Falland, C., Hartwig, H., Kouptsidis, J.S., Kuipershaus, R., Schumann, G., Schwartz, M., Wedekind, H.-P. Two years operational experience with the PETRA vacuum system 1-48315
- Fallen, M., Ziegler, J. Performance calculation of a wind power converter with a vertical axis 1-35105
- Falleni, M. *see* Dallargine, G. 1-41902
- Fallon, J. The implications of product liability legislation 1-44631
- Fallon, J.J. Electrical installation and wiring practice 1-44645
- Fallwell, B.N. Fuse module 1-27677
- Falster, R. *see* Arthurs, E.G. 1-40479
- Falt, C.-O. *see* Lundqvist, S. 1-52948
- Faltens, A., Keefe, D., Rosenblum, S.S. Ion accelerators as drivers for inertial confinement fusion 1-38327
- Faltens, A. *see* Chattopadhyay, S. 1-42995
- Faltens, A. *see* Chupp, W. 1-48405
- Faludi, A., Petri, K. Possibility of voltage-reactive power regulation with power plant machine transformers 1-52993
- Falvo, V.A. *see* Morozowich, M. 1-32778
- Fam, A.T. Multiplicative linear phase FIR filters 1-40133
- Fam, A.T. *see* Psylodoros, A. 1-47226
- Fan, C.C. *see* Tsaur, B.-Y. 1-27116
- Fan, J.C.C. Sputtered films for wavelength-selective applications 1-51142
- Fan, J.C.C., Geis, M.W., Tsaur, B.-Y. Lateral epitaxy by seeded solidification for growth of single-crystal Si films on insulators 1-27113
- Fan, J.C.C. *see* Bor-Yeu Tsaur, C. 1-36492
- Fan, J.C.C. *see* Bozler, C.O. 1-49683
- Fan, J.C.C. *see* Deutsch, T.F. 1-31443
- Fan, J.C.C. *see* Gale, R.P. 1-49681
- Fan, J.C.C. *see* Tsaur, B.-Y. 1-39761, 1-50867
- Fan, X.W., Woods, J. Blue electroluminescence in forward-biased ZnSe diodes 1-33159
- Fan, X.W., Woods, J. Free exciton emission in forward biased ZnSe MIS diodes 1-33164
- Fan, X.W., Woods, J. Free exciton emission in forward-biased CdS MIS diodes 1-46171
- Fan Dianyuan *see* Zheng Yuxia 1-51418
- Fan Jun-yin *see* Wu Cun-kai 1-28772
- Fan Junyin *see* Wu Cunkai 1-37210
- Fan Junying *see* Wu Cunkai 1-37217
- Fan Liang-zao *see* Zhang Ting 1-34242
- Fan Qikang *see* Wu Cunkai 1-37210
- Fan Shih-Chung *see* Shih-Chung Fan
- Fan Tiwen, He Hongjia, Bai Yuke, Fei Xueying Electron microscopy study of microdefects of heavily tellurium-doped gallium arsenide 1-32633
- Fan-ao Kong *see* Kong Fan-ao
- Fanchenko, S.D. *see* Ariskina, R.A. 1-30009
- Fanchenko, S.D. *see* Ganichev, V.A. 1-38418
- Fancott, T., Wong, D., Lemire, J. A software implementation of a high speed Holter ECG tape analysis system for a single small processor 1-52791
- Fandeev, E.I. *see* Lushchayev, G.A. 1-30078
- Fandeev, E.I. *see* Stadnik, V.T. 1-38306
- Fane, R.W. The production of amorphous silicon without hydrogen 1-45122
- Fanelli, A.R. High performance image processing and laser beam recording system 1-42545
- Fanelli, S. On a conjecture on maximal planar sequences 1-39582
- Fanetti, E. Flash technique for GaAs concentrator solar cell measurement 1-44359
- Fanetti, E., Flores, C., Guarini, G., Paletta, F., Passoni, D. High efficiency 1.43 and 1.69 eV band gap Ga<sub>1-x</sub>Al<sub>x</sub>As-GaAs solar cells for multicolour applications 1-31463
- Fang, B.T. Geometric dilution of precision in global positioning system navigation 1-34022
- Fang, F.-K. *see* Mandel, P. 1-33213
- Fang, M.T.C., Brannen, D., Jones, G.R. An analytical method for the design of circuit breaker nozzles 1-35311
- Fang, P.H., Schubert, C.C., Kinnier, J.H., Dawen Pang Submicron polycrystal silicon film solar cells 1-53614
- Fang, P.H. *see* Danchenko, V. 1-28107
- Fang, P.H. *see* Schubert, C.C. 1-49689
- Fang, R.J.F. Quaternary transmission over satellite channels with cascaded nonlinear elements and adjacent channel interference 1-37400
- Fang Chang-shui *see* Jiang Min-hua 1-39744
- Fang Chen Luo, Inan Chen, Genovese, F.C. A thin-film transistor for flat panel displays 1-42693
- Fang Neng-hang A general theory of weighted phased-array antenna and the analysis of phase weighting 1-47050
- Fang Shou-Xian Compensation of the space charge force in a synchrotron by means of RF quadrupole 1-34415
- Fang Yong-sui *see* Yong-sui Fang
- Fang Zhaoqiang *see* Lin Lanying 1-32635
- Fang-qing Zhang *see* Zhang Fang-qing
- Fanghanel, E., Schukat, G., Wiesner, K., Fuhrmann, A. Tetraethialvalenes as catalysts for the reduction of oxygen in acid electrolytes 1-35350
- Fangqing Zhang *see* Zhang Fangqing
- Fank, F.B. *see* Wolfert, P.H. 1-45694
- Fannin, D.R. *see* Djebrane, A. 1-50533
- Fano, V. Growth and characterization of Al<sup>14</sup>B<sup>VI</sup> single crystals for IR technology and thermoelectric energy conversion 1-27101
- Fanslow, G.E. *see* Nelson, S.O. 1-46849
- Fanthome, B.A., Kettleborough, G. The digital simulation of aircraft electrical power system 1-52875
- Fantini, F. *see* Brambilla, P. 1-36693
- Fantini, F. *see* Morandi, C. 1-32265
- Fantini, P. *see* Cancellieri, G. 1-33051
- Fantom, A.E. Millimetre wave power standards 1-48194
- Fantuzzo, D. *see* Dalla Porta, F. 1-52777
- Fara, V., Cecan, D., Grigorescu, R. Correlations between thermal, hydraulic and constructive parameters of the receiver cavities of a solar power plant with heliostats and tower 1-35097
- Farabaugh, E.N. *see* Sanders, D.M. 1-50320
- Farag, A. Design of multivariable nonlinear feedback control system of power system 1-43597
- Farag, A.S. Dynamic and optimum performance of induction motors with SCR controllers 1-44113
- Farahat, A.M. The process and application of designing integrated energy systems for arid areas of the Middle East 1-53038
- Faraone, L., Simmons, J.G., Agarwal, A.K., Tonner, P.D. Interpretation of non-equilibrium measurements on MOS devices using the linear voltage ramp technique 1-40613
- Faraone, L. *see* Simmons, J.G. 1-36529
- Farber, D.J., Field, J.I., Jr. Voice oriented data switch (VODS) 1-47408
- Farbshtein, I.I. *see* Vorob'ev, L.E. 1-36466
- Farday, P. The future of hydroelectric power 1-49327
- Farden, D.C. Tracking properties of adaptive signal processing algorithms 1-41648
- Farden, D.C., Smith, M.W. Bounds on tracking error for adaptive signal processing algorithms 1-37636
- Farden, D.C. *see* Smith, M.W. 1-36280
- Farden, D.C. *see* Sperry, R.H. 1-42584
- Fardis, M.N., Cornell, C.A. Analysis of coherent multistate systems 1-39445
- Farenyuk, A.P. *see* Lesnik, V.A. 1-31240
- Farge, Y. *see* Deacon, D.A.G. 1-46661
- Fargeix, J. *see* Jousset, J. 1-52723
- Fargetton, H., Gendrin, R., Lacoume, J.L. Adaptive methods for spectral analysis of time varying signals 1-33657
- Farhat, N.H. *see* Chan, C.K. 1-42285
- Faria, J.M.de, Jr. *see* de Faria, J.M., Jr.
- Farina, C., Gibbons, M. The concentration of research funds: the case of the science research council 1-39335
- Farini, A., Manigrasso, R., Superti Furga, G., Ubalini, M. Inverter fed induction machines: equivalent circuit for losses and peak current calculations 1-53425
- Faris, S.M. Josephson loop decoder 1-28350
- Faris, S.M. Josephson LSI circuits 1-50509
- Faris, S.M., Valsamakis, E.A. Resonances in superconducting quantum interference devices—SQUID's 1-36847
- Farish, O. *see* Chalmers, I.D. 1-36723
- Farkas, R. Well-protected power-transistor bridge drives servos, turns off quickly 1-36071
- Farkas, Z.D. Superconducting cavities and modulated RF 1-43107
- Farkhadzade, E.M., Mamed-Veliev, V.K. Stability of the solution of reliability theory problems 1-43493
- Farley, D.T., Ierick, H.M., Fejer, B.G. The absolute scattering cross section at 50 MHz of equatorial electrojet irregularities 1-51608
- Farley, D.T., Ierick, H.M., Fejer, B.G. Radar interferometry: a new technique for studying plasma turbulence in the ionosphere 1-52941
- Farley, F.J.M. Wave energy conversion by resonant rafts 1-49334
- Farley, F.J.M. *see* Damerell, C.J.S. 1-48627
- Farley, M. *see* Ryding, G. 1-38367
- Farmer, D. *see* Neel, J. 1-29424
- Farmer, J.W. *see* Look, D.C. 1-29983
- Farmer, R.G. *see* Agrawal, B.L. 1-43789, 1-49179
- Farmer, R.H. Flight management systems for modern jet aircraft 1-52907
- Farmer, W.M. Laser velocimetry 1-46817
- Farmer, W.M. *see* Kar, M.L. 1-37597, 1-41787
- Farmwald, P.M., Bryson, W., Manferdelli, J.L. Signal processing aspects of the S-1 multiprocessor project 1-41709
- Farndale, L. Developments in digital storage oscilloscopes 1-42665
- Farneti, F., Mosca, W. Evaluation of the performance of extruded cable terminations in synthetic material for distribution systems 1-49150
- Farnsworth, A.V., Jr. *see* Johnson, D.J. 1-30309
- Farnsworth, H., Belden, L. Automatic fault line measurement [carrier communication] 1-34199
- Faro, A. Finite state description of communication devices in computer networks 1-37392
- Faro, A., Messina, G. Internetworking analysis 1-47402

- Faro, A., Messina, G., Mirabella, O., Saletti, V. A Network Measurement Module for EURNET implemented in a multimicroprocessor arrangement 1-29440
- Faro, A., Messina, G., Mirabella, O. Computer-aided thermal design of power electronic devices 1-28004
- Farquhar, P.H., Fishburn, P.C. Equivalences and continuity in multivalent preference structures 1-50126
- Farrag, A. *see* Mavor, J. 1-32345, 1-40142
- Farrall, G.A. Surface phenomena in vacuum insulation 1-35272
- Farrar, F.G. Millimeter wave W-band slotted waveguide antennas 1-51716
- Farrar, F.G. *see* Long, S.A. 1-28997
- Farrar, F.G. *see* Schaubert, D.H. 1-28998
- Farre, J.R. *see* Mayer, A. 1-30459
- Farrell, A.N., Mack, R.M. A 2X140 Mbit/s mul-dex equipment for an optical fibre transmission system 1-42256
- Farrell, F.C., Ehas, R.P. Bibliography of switch-gear literature IEEE committee report 1-39082
- Farrell, F.C., Ehas, R.P. Bibliography of switch-gear literature: IEEE committee report 1-39099
- Farrell, F.J. Voltage criteria on a rural distribution system 1-49097
- Farrell, J.L., Quesinberry, E.C. Track mechanization alternatives 1-52150
- Farrell, J.P., Jr. Examination of product throughput obtained from high power bremsstrahlung sources 1-38387
- Farrell, J.S. Trends towards alternative packaging 1-50005
- Farrell, P.G. *see* Borelli, W.C. 1-33483
- Farrell, P.G. *see* Smith, S.D. 1-42013
- Farrell, S.R., Gallagher, W.J. Particle dynamics in the electron linear accelerator 1-42818
- Farrell, S.R. *see* Schaumann, R. 1-45518
- Farrell, W.R., Gorga, K.J. Microprocessor program trace control utilizing I/O or memory mapped trap activation 1-40046
- Farrer, J., Roberts, J. A simple method of EMG analysis to determine patterns for use in the recognition of clinical conditions: a preliminary report 1-48718
- Farrer, W. *see* Murgatroyd, P.N. 1-44170
- Farrington, D. *see* Hamner, S. 1-46154
- Farrington, G.C. Solid ionic conductors 1-48034
- Farrington, J.G. Reflection noise effects on error rate in a 35 km single mode transmission system 1-42274
- Farrow, R.F.C. The use of ion beams in molecular beam epitaxy 1-50291
- Farrow, R.F.C. *see* Sullivan, P.W. 1-50296
- Farthing, A.J. *see* Brace, D.J. 1-42282
- Farthing, W.H. The Magsat scalar magnetometer 1-34699
- Faruda, M. *see* Philipp-Rutz, E.M. 1-46580
- Faruque, S.M., Vlach, J., Viswanathan, T.R. Switched-capacitor inductors and their use in LC filter simulation 1-45489
- Farzaneh, M. *see* Ai, B. 1-28176
- Fasold, D., Pecher, H. The calculation and layout of corrugated rectangular horn feeds 1-41439
- Fataty, A. *see* El Fataty, A.
- Fate, W.A. *see* Hetrick, R.E. 1-30069
- Fatehi, M.T. Optical logic gates using liquid crystal light valve: implementation and application example 1-46582
- Fatehi, M.T., Collins, S.A., Jr., Wasmundt, K.C. The optical computer goes digital 1-36981
- Fatehi, M.T., Wasmundt, K.C., Yen, C.Y., Collins, S.A., Jr. Sequential logic element arrays for use in optical digital processors: applications and limitations 1-41814
- Fatehi, M.T. *see* Collins, S.A., Jr. 1-28541
- Fathipour, M. *see* Goodnick, S.M. 1-50893
- Fathy, D. *see* Brown, L.M. 1-32805
- Fatic, V.M. Hamiltonian formulation for the state-model of linear time-invariant networks. III. Invertibility of parameter matrices 1-39864
- Fatic, V.M. Variational principles for unforced harmonic oscillator with quadratic damping 1-39878
- Fatic, V.M. Variational principles for damped harmonic oscillators 1-45324
- Fatoh, I. *see* Mansour, M.A.S. 1-35419
- Fattal, J. Designing with a versatile low-power  $\mu P$  1-50482
- Fattouh, M. *see* Russig, W. 1-53703
- Fat'yanov, S.O. *see* Churakov, Ye.P. 1-37494
- Fatykhov, K.Z. *see* Il'in, V.A. 1-28364
- Fau, C. *see* Averous, M. 1-27805
- Faubert, D., Galarneau, P., Chin, S.L. An electro-optical technique to vary continuously a laser pulse 1-40967
- Fauchais, P. *see* Elchinger, M.-F. 1-27136
- Faucher, J., Lajoie-Mazenc, M., Azizi Ghanad, G. Experimental and theoretical investigation on an autoplotted current fed 3-phase vernier reluctance motor with particular reference to the commutation 1-53415
- Fauchoux, F., Frisch, R., Gross, R., Mathieu, F., Yvroud, E. Control of liquid volume 1-43281
- Faucon, L. *see* Kennis, P. 1-40229
- Faugeras, O.D. *see* Pratt, W.K. 1-33624
- Faugeras, P.E., Faugier, A., Hilaire, A. The low beta insertions in the SPS and their chromaticity correction 1-48460
- Faugier, A., Gyr, M., Hatton, V., Hilaire, A., Lauckner, R., Miles, J., Peraire, S., Thomas, D., Warman, A. Recent improvements in the performance of the SPS 1-48459
- Faugier, A. *see* Faugeras, P.E. 1-48460
- Fauquembegue, G. *see* Cappy, A. 1-50954
- Fauquembegue, R. *see* Carne, B. 1-40585
- Faure, B. *see* Munier, J. 1-52176
- Faure, J. *see* Acerbi, E. 1-52739
- Faust, U. Implication and use of microelectronics in medicine and biology 1-30393
- Faust, U. *see* Bleicher, W. 1-48743
- Favale, L. *see* Basile, M. 1-43250, 1-43251
- Favaloro, F.J. *see* McElroy, A.J. 1-30848
- Favella, L.F. Mathematical foundations of ECG map reconstruction 1-30434
- Favennec, P.N., Gauneau, M., L'Haridon, H., Deveaud, B., Evans, C.A., Jr., Blattner, R.J. Chromium gettering in GaAs by oxygen implantation 1-32750
- Favennec, P.N., L'Haridon, H. Influence of chromium redistribution on the electrical properties of Se and Zn implanted Cr-doped substrates [GaAs] 1-27821
- Favier, B. *see* Besset, D. 1-42776
- Favier, G. *see* Alengrin, G. 1-37529
- Favorskii, A.P. *see* Goloviznin, V.M. 1-44796
- Favre, F. Influence of electrode configuration on the efficiency of the electrooptic switch BOA 1-46579
- Favre, F., Le Guen, D. Laser diode emitter for heterodyne-type communication systems 1-41108
- Fawcett, W.R. *see* Baranski, A.S. 1-40394
- Fawe, A.L. Calculation of error rate of numerical transmissions 1-33842
- Fayfield, R.W. The role of fiber optics in photoelectric sensing applications 1-46561
- Fayolle, G. *see* Chu, W.W. 1-33796
- Fayolle, P. *see* Oden, M. 1-33823
- Fazekas, K., Kiss, A., Toth, L. Experiments in digital transmission of television signals 1-29896
- Fazekas, P., Feuerbaum, H.-P., Wolfgang, E. Scanning electron beam probes VLSI chips 1-46185
- Fazekas, P. *see* Crichton, G. 1-40659
- Fazio, M.V., Hoffer, W.J., Patton, R.D., Sutherland, R. A 1-megawatt CW RF power source for 80 MHz 1-48345
- Fazio, M.V., Reid, D.W., Potter, J.M. Experimental investigation of heating phenomena in linac mechanical interfaces from RF field penetration 1-48343
- Fazio, M.V. *see* Reid, D.W. 1-42909
- Fazzini, N. *see* Perez Ferreira, E. 1-42853
- Feagin, F.J. Seismic data display and reflection perceptibility 1-43421
- Feaveryear, J.E., Sornberger, E.A. Will receivers demand GaAs ICs? 1-28102
- Febel, A., Hemme, G. Status and performance of PIA 1-42864
- Fech, J., De Witt, A. Copper inhibitor and antioxidant levels in high density polyethylene: their measurement by high performance liquid chromatography and relation to insulation life 1-32916
- Fechner, G. *see* Opitz, R. 1-31569
- Fechner, W. *see* Herdegen, H. 1-39161
- Fecho, S., Homola, J., Ziaran, J. Frost depositions on overhead cables and its influence on the dimensioning of high-voltage overhead transmission lines during simultaneous wind load 1-30764
- Fecho, S., Mosat, V. Qualitative analysis of lumped reactance parameters of double lines 1-30682
- Fecho, S., Mosat, V. Improvement of electric properties of double transmission lines of hexagonal design 1-30762
- Fecho, S., Mosat, V. Controlled self-compensating double transmission lines 1-43719
- Fecteau, M.L. The US Army program for improving near-millimeter wave power and energy standards 1-48190
- Fedchenko, V.G. *see* Ryzhov, Yu.P. 1-38815
- Fedchenkov, K.A. *see* Ignat'eva, N.V. 1-38024
- Federgruen, A. Nonstationary Markov decision problems with converging parameters 1-39518
- Federgruen, A. The rate of convergence for backwards products of a convergent sequence of finite Markov matrices 1-44881
- Federgruen, A. *see* Tijms, H.C. 1-26982
- Federici, L., Giordano, G., Matone, G., Pasquariello, G., Picozza, P., Caloi, R., Casano, L., De Pascale, M.P., Mattioli, M., Poldi, E., Schaefer, G., Vanni, M., Pelfer, P., Prosperi, D., Frullani, S., Girolami, B. Experimental results for the Ladon photon beam at Frascati 1-43268
- Fedi, F. Rain attenuation on Earth-satellite links: a prediction method based on point rainfall intensity statistics 1-28894
- Fedi, F. Normalization procedures and prediction techniques for rain attenuation on terrestrial and Earth-space radiolinks 1-46926
- Fedi, F. *see* Andreucci, F. 1-29624
- Fedi, F. *see* Barbaliscia, F. 1-28883
- Fedi, F. *see* Capsoni, C. 1-33341
- Fedi, F. *see* Damosso, E. 1-28885
- Fedida, S. The applications in Videotex 1-29409
- Fedin, Yu.N. *see* Gorokhov, V.P. 1-41014
- Fedinchik, S.I. *see* Kornienko, L.G. 1-47024
- Fedjaew, A.W. *see* Chirilus, L.S. 1-43836
- Fedorchenko, A.N. *see* Levitan, L.Ya. 1-39834
- Fedorenko, Yu.F. *see* Parshin, V.A. 1-53830
- Fedorin, A.K., Tsvit, V.A., Borisov, V.N., Tikishhev, T.S. Application of water-repellent coatings at substations of chemical works 1-30787
- Fedoriv, R.F. *see* Bukhalo, O.P. 1-36147
- Fedoriv, R.F. *see* Klim, B.P. 1-38303
- Fedorov, A.I. *see* Tarasenko, V.F. 1-28654
- Fedorov, A.M. *see* Pakai, P. 1-32426
- Fedorov, M.V. Free-electron lasers: amplification, multiphoton transitions, saturation, and geometry 1-51302
- Fedorov, M.V., Nersisov, E.A., Zaretsky, D.F. On the possibility to optimize the gain of the Compton laser 1-28610
- Fedorov, V.A. *see* Kaminskii, A.A. 1-46715
- Fedorov, V.B. *see* Malkov, A.N. 1-46714
- Fedorov, V.B. *see* Tsvetkov, V.V. 1-36983
- Fedorov, V.B. *see* Voronin, Yu.V. 1-41007
- Fedorov, V.G. *see* Kosyrev, F.K. 1-53833
- Fedorov, V.I. *see* Shanturin, L.P. 1-33315
- Fedorov, V.K. The probability distribution of the power of a controlled convertor 1-44199
- Fedorova, M.N. *see* Tsvetkov, V.V. 1-36983
- Fedorus, G.A. *see* Kantariya, R.V. 1-49668
- Fedoseev, V.F., Sizov, S.I. Experimental study of the influence of methods of refrigeration on the quality of material for optoelectronics 1-50337
- Fedoseev, V.I., Sablin, V.K., Osipik, V.A. Analysis of scanning methods for measuring the angular coordinates of a point source 1-47999
- Fedoseev, V.I. *see* Sablin, V.K. 1-38144
- Fedoseeva, O.P. *see* Aleksandrov, A.A. 1-30319
- Fedosejevs, R. *see* Burgess, M.D.J. 1-33199
- Fedosenko, L.P. *see* Denisenko, G.I. 1-43480
- Fedotov, A.P., Pyankov, V.V., Frolov, V.V., Khvostov, V.B. Diagnostics of beam perturbations in linear ion accelerators from the distribution of secondary particles 1-30290
- Fedotov, A.V. *see* Galkin, V.S. 1-38176
- Fedotov, O.P. *see* Volkov, B.S. 1-52722
- Fedotov, O.P. *see* Zhurkin, V.V. 1-52721
- Fedotov, V.M. *see* Sulyaev, A.S. 1-30096
- Fedotov, Yu.S. *see* Ageyev, A.I. 1-42866
- Fedotova, S.I., Shcherbakov, V.I. Interpolation of the reflection coefficient of infinite phased array antennas 1-47027
- Fedullo, V. *see* Cavaliere, S. 1-45524
- Feduska, W., Rosey, R. An advanced technology iron-nickel battery for electric vehicle propulsion 1-31410
- Fedyunin, Yu.N. *see* Shishkov, A.G. 1-28238
- Fee, J.J., Kaminsky, Y., Scales, W., Todd, R.E. Performance of a satellite-aided maritime distress alerting system 1-29707
- Fee, J.J., Kaminsky, Y., Scales, W., Todd, R.E. Development and testing of a satellite-aided distress alerting system 1-47620
- Feeley, J. *see* Rogers, H. 1-51943
- Feeley, J.J., Tylee, J.L. Current applications of optimal estimation and control theory to the LOFT reactor plant 1-30948
- Fegley, K.A. *see* Fahim, M.A. 1-38714, 1-43549
- Fehér, G., Zalatnai, T. Special operational state for work on live medium voltage system 1-44663
- Fehér, K. *see* Prendergast, D. 1-29508
- Fehr, S. *see* Hartmann, A.C. 1-36170
- Fehrenbach, H. Measuring performance of communication satellite systems 1-33948
- Fehrenbach, W. *see* Pohl, L. 1-28531
- Fei Xueying *see* Fan Tiwen 1-32633
- Feichtner, J.D. *see* Gottlieb, M. 1-28544
- Feidt, M.L., Petit, B. Measurement of ion energy distribution in an orbitron device 1-50719
- Feigelson, R.S. *see* Byer, R.L. 1-46783
- Feigenbaum, A.V. Business quality systems—new key to profitable growth 1-26838
- Feigleson, H.A. Provisions for high frequency future use 1-52198
- Feigt, I. *see* Hassler, D. 1-52768
- Feihl, J. *see* Gartner, E. 1-44427
- Feil, M. *see* Betzl, H. 1-50549
- Feil, M. *see* Klar, H. 1-27484
- Feil, M. *see* Schreiber, R. 1-27495, 1-32331, 1-40089
- Feinberg, I., Kumar, V.R. High performance single-chip module 1-50013
- Feinberg, I., Wu, L.L. Testable, repairable, integrated thin film capacitors for multichip modules 1-50696
- Feinberg, R. *see* Jackson, K.G. 1-31763
- Feinstein, L.G. Do flame retardants affect the reliability of molded plastic packages? 1-50020
- Feinstein, L.G., Pagano, R.J. Ta thin-film capacitors with an Al underlayer for high-frequency applications 1-32417
- Feinstein, L.G. *see* Lum, R.M. 1-32775

- Feintuch, P.L.**, Bershad, N.J., Reed, F.A. Time delay estimation using the LMS adaptive filter—dynamic behavior 1-41667
- Feintuch, P.L.** *see* Reed, F.A. 1-37508, 1-41666
- Feio, M.** Alegria *see* Alegria Feio, M.
- Feit, E.D.**, Stillwagon, L.E. Electron-beam lithography of chlorinated polystyrenes with narrow molecular weight distributions 1-32745
- Feit, M.D.**, Fleck, J.A. Calculation of dispersion for two optical fiber profiles by the propagating beam technique 1-51194
- Feit, M.D.**, Fleck, J.A., Jr. Mode properties of optical fibers with lossy components by the propagating beam method 1-28427
- Feit, M.D.**, Fleck, J.A., Jr. Spectral approach to optical resonator theory 1-51484
- Feith, B.** *see* Bonfig, K.W. 1-38316
- Fejer, A.A.** *see* Sammells, A.F. 1-31144, 1-31582
- Fejer, B.G.** *see* Farley, D.T. 1-51608, 1-52941
- Fekete, D.**, Burnham, R.D., Scifres, D.R., Streifer, W., Yingling, R.D. Self-aligned GaAs/GaAlAs semiconductor laser with lateral spatial variation in thickness grown by metalorganic-chemical vapor deposition 1-33224
- Fekete, D.** *see* Burnham, R.D. 1-37157
- Fekete, D.** *see* Scifres, D.R. 1-37160
- Felch, K.L.**, Busby, K.O., Layman, R.W., Kapi-low, D., Walsh, J.E. Cerenkov radiation in dielectric-lined waveguides 1-32392
- Felch, K.L.**, Vallier, L., Buzzi, J.M., Drossart, P., Boehmer, H., Doucet, H.J., Etlicher, B., Lamain, H., Rouille, C. Collective free-electron laser studies 1-51301
- Felczak, Z.**, Jeszka, S., Kaczmarczyk, J. Modulation transfer function as criterion for evaluation of optoelectronic imaging devices 1-36440
- Feld, M.S.** *see* Murnick, D.E. 1-43148
- Fel'd, S.Ya.**, Foygel, A.V. Double-layer optical fibers with a loosely fitting absorbing sheath 1-40913
- Feldbaum, M.R.** *see* Isaev, F.K. 1-33085
- Feldblum, A.**, Park, Y.W., Heeger, A.J., MacDiarmid, A.G., Wnek, G., Karasz, F., Chien, J.C.W. Microwave properties of low-density polyacetylene 1-32892
- Felder, R.** *see* Koshelyaevskii, N.B. 1-48250
- Feldkamp, G.B.**, Fienup, R.J. Noise properties of images reconstructed from Fourier modulus 1-29220
- Feldman, A.**, White, G. Optical nondestructive evaluation 1-50344
- Feldman, A.V.** *see* Bai, R.D. 1-31728
- Feldman, B.J.** *see* Fisher, R.A. 1-41144
- Feldman, C.L.**, Hubelbank, M., Lane, B., Valvo, V. Performance enhancement of a Holter processing system with microprocessor controlled over-reading stations and remote terminals 1-52790
- Feldman, D.A.** *see* Bertsche, W.R. 1-37982
- Feldman, H.** *see* Rulf, B. 1-51650
- Feldman, J.**, Singer, S., Braunstein, A. Solar cell interconnections and the shadow problem 1-49361
- Feldman, L.** Laser videodisc: how the video signal is processed 1-34105
- Feldman, L.** Anti-negative feedback for hi-fi amplifiers 1-34142
- Feldman, L.** Home video update 1-52257
- Feldman, L.** Big bass from small speakers 1-52296
- Feldman, L.** New Dolby noise reduction system 1-52297
- Feldman, L.C.** *see* Temmer, G.M. 1-38354
- Feldman, M.J.**, Levinsen, M.T. Theories of the noise rise in Josephson paramps 1-27608
- Feldmann, D.** Current trends in combined dynamic burn-in/temperature testing of LSI/VLSI memories 1-46220
- Feldmann, D.** *see* Brunnengraber, H. 1-45796
- Feldmann, H.**, Roshop, R. Continuous inspection of electrical domestic equipment 1-39222
- Feldmann, M.** The multibridge charge coupled filter: general synthesis using all-pole structure 1-45501
- Feldmann, M.**, Duhamel, P. The multibridge charge coupled filter: general synthesis using bias conservative structure 1-36254
- Feldmann, M.**, Henaff, J. A new charge routing filter 1-40110
- Feldmann, M.** *see* Henaff, J. 1-36741, 1-36790
- Feldmann, P.** *see* Desvignes, J.M. 1-39739
- Felea, S.**, Priabagi, G., Cucuianu, M., Visan, I., Iuga, A., Luca, E., Stefanescu, F. Contents of the present system of techno-economic indicators as reflected in a data bank for planning activities at the level of industrial electrical power generation 1-30842
- Feleppa, E.** *see* Lizzi, F.L. 1-38504
- Fellicori, E.** Modern rolling-mills that run at 300 km/h 1-35530
- Felinskii, G.S.** *see* Kondilenko, I.I. 1-40911
- Fell, J.M.** Mobile suppression techniques. I 1-37328
- Fell, J.M.** Amateur repeaters. I 1-47528
- Fell, J.M.** Using 2 metres [radio systems] 1-47559
- Fell, J.M.** Mobile suppression techniques. II 1-49777
- Fell, J.M.** *see* Ganderton, D. 1-47561
- Fell, P.J.** A comparative analysis of GPS range, Doppler and interferometric observations for geodetic positioning 1-38566
- Felleisen, R.** *see* Duren, C. 1-44557
- Feller, A.**, Noto, R., Smith, A.M. Standard cell approach for generating custom CMOS/SOS devices using a fully automatic layout program 1-51025
- Fellgett, P.B.** Ambisonics 1-47844
- Fellmann, H.** The use of programmable control devices in transformer installations 1-39021
- Fellmann, K.-H.**, Pfeiffer, W., von Schau, P. The withstanding voltage of small insulation distances and the effects of environmental conditions on their behaviour 1-40294
- Fellows, D.**, Ketchum, J., Wang, B. A data/digital telephone 1-29499
- Fellows, S.K.** Transport energy scenarios using electric vehicles 1-35443
- Fellows, T.G.**, Hogg, J.M. An approach to the design of an ISDN 1-29313
- Fellrath, J.** *see* Gerber, B. 1-40035
- Felsen, L.B.**, Kamel, A.H. Hybrid ray-mode formulation of parallel plane waveguide Green's functions 1-46987
- Felsen, L.B.** *see* Einziger, P.D. 1-51755
- Felsen, L.B.** *see* Hasselmann, F.J.V. 1-41342
- Felsen, L.B.** *see* Idemen, M. 1-46864
- Felstead, E.B.** Optical range-curvature correction for synthetic-aperture radar (SAR) signals 1-29809
- Felten, J.J.** *see* Taylor, B.E. 1-27726
- Feltman, A.** *see* Terwilliger, K.M. 1-42787
- Felton, B.C.** *see* Biamonte, R.A. 1-50411
- Feltz, A.** *see* Kaps, C. 1-27848, 1-40429
- Fen Lu** *see* Lu Fen
- Fen-kou Chen** *see* Chen Fen-kou
- Fender, G.**, Nixdorff, K., Pesselhoy, J. Some methods for sound ranging 1-47748
- Feng, G.**, Aoki, Y. Analysis and computer simulation of multi-frequency holography by unequally-spaced array elements 1-51538
- Feng, K.Y.** Fourier transform-iteration for antenna pattern synthesis 1-41343
- Feng, M.**, Eu, V., Zielinski, T., Kim, H.B., Whelan, J.M. Si doped GaAs using a SiCl<sub>4</sub> technique in a AsCl<sub>3</sub>/Ga/H<sub>2</sub> CVD system for MESFET 1-50875
- Feng, M.**, Kwok, S.P., Eu, V., Henderson, B.W. Study of electrical and chemical profiles of Si implanted in semi-insulating GaAs substrate annealed under SiO<sub>2</sub> and capless 1-45927
- Feng, M.**, Zielinski, Eu, T., Kim, H.B., Whelan, J.M. Si-doped GaAs by SiCl<sub>4</sub>-AsCl<sub>3</sub> liquid solution in AsCl<sub>3</sub>/Ga-As/Ga/H<sub>2</sub> chemical vapour deposition system 1-35943
- Feng Bao-hua** *see* Pan Shao-hua 1-28666
- Feng Min-ying** *see* Li Guo-dong 1-28220
- Feng Tse-yun** *see* Tse-yun Feng
- Feng Xi-qi**, Luo Bin-zhang The characteristics of epitaxial p-n junctions grown from silicon carbide crystals by the sublimation method 1-50812
- Feng-cheng Chang** Determination of the time response function to a time-invariant system 1-39706
- Feng-Mei Dai** *see* Dai Feng-Mei
- Feng-mei Wu** *see* Wu Feng-mei
- Fenici, R.** *see* Barbanera, S. 1-30410
- Fenimore, E.E.** *see* Evans, W.D. 1-30490
- Fenk, J.** Widening the range of meter-type SDA 5680 [frequency counter] 1-48137
- Fenk, J.** *see* Bichler, H. 1-32358, 1-38257, 1-38258
- Fennich, P.A.** *see* Maslyuk, V.T. 1-36513
- Fenster, S.**, Dann, T., Moretti, A. Synchrotron improvements with shed waveform 1-43028
- Fenster, S.**, Takeda, H., Bart, G. Multiturn injection 1-43027
- Fentem, P.H.** *see* Todd, J.H. 1-52754
- Fenton, P.J.**, Loughran, J., Jones, K.M., Read, C.B., Simcox, J.B. Static voltage stabilisation on a long transmission line to a wood chip mill 1-43748
- Fenton, R.E.** *see* Fling, R.T. 1-49748
- Ferbel, T.** *see* Jonckheere, A. 1-30300
- Ferber, G.** An adaptive system for the automatic description of EEG background activity 1-30457
- Ferenc Kovacs** Modernization of the electric power supply in the last 15 years and future tasks 1-30587
- Ferencz** *see* Arkos, I. 1-46966
- Ferencz, A.I.** *see* Arkos, I. 1-51634
- Ferenczi, G.** Degradation induced formation of extended defects in GaP:N LEDs 1-33157
- Ferenczi, G.**, Dozsa, L. Extended defects in III-V semiconductor compounds 1-50770
- Ferenczi, G.** Integrated circuit for motor speed control 1-31388
- Ferenczy, F.** *see* Cser, L. 1-38455
- Ferguson, G.D.** *see* Rankin, M.B. 1-30556
- Ferguson, J.R., Jr.**, Kroncke, G.T. Dumping momentum magnetically on GPS satellites 1-34650
- Ferguson, P.E.**, Valier, G., Symons, R.S. Gyrotron-TWT operating characteristics 1-45861
- Ferguson, W.** *see* Khokhani, K.H. 1-46248
- Fergusson, C.** *see* Cotten, W. 1-42251
- Feroli, G.** *see* Barisy, A. 1-42917
- Feroli, G.** *see* Bossart, R. 1-48473
- Ferkolj, S.** *see* Hudnik, R. 1-29971, 1-38946
- Ferkovic, B.** Errors in electricity meters testing 1-42640
- Ferla, G.** *see* Cerofolini, G.F. 1-52690
- Ferling, K.**, Rijanto, H. Influence of the latest technologies on the development of protective relays 1-49182
- Fernandes, J.**, Ribeiro, R., Tavares, H., Garcia, A. Piecewise linear programming: a dual method 1-44951
- Fernandes, P.**, Parodi, R. Design of RF resonant cavities with minimum surface electric field for a superconducting multicell e<sup>-</sup> linear accelerator 1-42777
- Fernandes, P.**, Parodi, R. Hints for electric field compensation in multicell resonant structures 1-48454
- Fernandes, R.A.** Fiber-optic link breaks data log-jam 1-47665
- Fernandes, R.A.**, Philipp, H.D., Maraio, R.A., Hemmings, D.F., Fulenwider, J.E. Multiple-service lightweight systems 1-29777
- Fernandes, R.A.** *see* Johnson, A. 1-34763
- Fernandes, R.A.** *see* Johnson, W.A. 1-30625
- Fernandez, A.** *see* Solis Camba, A. 1-53851
- Fernandez, A.M.** *see* Juarez Fernandez, A.M.
- Fernandez-Navarrete, L.** *see* Albella, J.M. 1-40247
- Fernelius, N.C.**, Dempsey, D.V., O'Quinn, D.B. Photoacoustic and laser rate calorimetry studies of the bulk and surface optical absorption coefficients of laser window materials 1-40878
- Ferninough, W.J.** Suggested procedures for generator unit status reporting 1-43544
- Ferrano, G.** *see* Maitre, H. 1-34115
- Ferrante, J.G.** *see* Capel, A. 1-52851, 1-52915
- Ferrara, E.R., Jr.**, Widrow, B. The time-sequenced adaptive filter 1-37500
- Ferrara, E.R., Jr.**, Widrow, B. Multichannel adaptive filtering for signal enhancement 1-37507
- Ferrara, M.** *see* Baldassarre, L. 1-45969
- Ferrari, G.** *see* Demichelis, F. 1-31461
- Ferrari, P.** *see* Conti, M. 1-45991
- Ferrarini, E.** Videotex around the world today 1-37722
- Ferrario, B.**, Rosai, L., della Porta, P. Distributed pumping by non-evaporable getters in particle accelerators 1-48294
- Ferrario, M.** At last, it will be possible in Italy to work on elements under tension 1-34894
- Ferraro, R.J.**, Barnett, J.H., Furman, C.R. EPRI/TVA pilot electric vehicle demonstration: update 1980 1-31586
- Ferrari, E.** *see* Carli, N. 1-38149
- Ferreira, E.** *see* Perez *see* Ferreira, E.
- Ferreira, R.J.** *see* Anunciada, A.V. 1-31381
- Ferreira de Castro, C.F.** *see* Anunciada, A.V.A. 1-31391
- Ferrell, P.J.**, McFarland, M.D. Computer in control selection logic for a triplex digital computer flight control system 1-52910
- Ferrer, J.** *see* Mayer, A. 1-30459
- Ferrer, M.**, Briot, M., Talou, J.C. Study of a video image treatment system for the mobile robot HILARE 1-51552
- Ferretti, A.W.** *see* Zissermann, D. 1-48732
- Ferri, D.** *see* Buldini, P.L. 1-40515
- Ferrier, R.I.** *see* Sweeting, D.K. 1-43714
- Ferrieu, F.** *see* Villepelet, B. 1-40504
- Ferrieu, G.** BORSHT, but it's not all that easy! [telephone switching equipment] 1-37814
- Ferrieu, G.** *see* Siri, R. 1-29568
- Ferris, C.D.** Introduction to bioinstrumentation. With biological, environmental, and medical applications 1-26803
- Ferris, K.D.** Fiber-optic communication link for missile guidance 1-37938
- Ferro, A.** *see* Paris, P. 1-48327
- Ferro, F.** Lower semicontinuity, optimization and regularizing extensions of integral functionals 1-50239
- Ferry, D.K.**, Barker, J.R., Grubin, H.L. Hot-carrier constraints on transient transport in very small semiconductor devices 1-46090
- Ferry, D.K.**, Grubin, H.L. The role of transport in very small devices for VLSI 1-40712
- Ferry, R.** *see* Theilacker, J. 1-42825
- Fertig, K.** *see* Steckel, R.-D. 1-49148
- Fertik, N.S.** *see* Efimov, G.V. 1-48196
- Fesak, G.**, Vilcheck, W.S., Helfrich, W.J., Deutsch, D.C. Instantaneous circuit breaker settings for the short circuit protection of three phase 480, 600, and 1040 V trailing cables 1-53575
- Fesak, G.** *see* Vilcheck, W.S. 1-53574
- Fesenko, E.P.** *see* Minaev, Yu.N. 1-44735
- Feser, K.** On-site testing of SF<sub>6</sub> gas insulated substations 1-44289
- Feser, K.** *see* Malewski, R. 1-30827, 1-38838
- Fesivskii, G.D.** *see* Ponkratov, E.I. 1-50508
- Fesler, K.** *see* Shaw, H.J. 1-36805
- Fesquet, J.**, Irla, H. Experimental determination of the incremental gain for a transit in a neodymium laser 1-28680

- Fesquet, J., Irla, H. Influence of saturation effects on the Gaussian beam parameters in a ruby laser 1-46771
- Fessenden, T.J., Atchison, W.L., Bix, D.L., Clark, J.C., Cook, E.G., Hester, R.E., Reginato, L.L., Rogers, D., Jr., Spoerlein, R.E., Struve, K.W., Yokota, T.T. The experimental test accelerator (ETA). II 1-48557
- Fessenden, T.J. see Briggs, R.J. 1-48400
- Fessler-wilhelmi, N. see Benichou, J. 1-52639
- Festa, T.E. see Olivero, S. 1-38470
- Feth, G.C., Wiedmann, S.K. High performance implementation of MTL 1-36193
- Feth, G.C. see Ning, T.H. 1-51000
- Fetisov, Yu.K. see Yesikov, O.S. 1-28253, 1-40827
- Fetisova, V.I. see Bragin, N.V. 1-45853
- Fetita, I. The permeance of double-isthmus annular slots 1-38992
- Fettel, W. see Eickelpasch, N. 1-43198
- Fetterman, H.R. see Waldman, J. 1-47724
- Fettweis, A. Principles of complex wave digital filters 1-36257
- Fettweis, A. Scattering properties of real and complex lossless 2-ports 1-45202
- Fettweis, A. Switched-capacitor filters: from early ideas to present possibilities 1-45520
- Fettweis, A., Nossek, J.A. Sampling rate increase and decrease in wave digital filters 1-45557
- Fettweis, A. see Herbst, D. 1-40099
- Feucht, D.L. Photovoltaic R&D program overview 1-53669
- Feuerbaum, H.-P. see Fazekas, P. 1-46185
- Feuerborn, A. Energy saving within the framework of the revised monopoly law guarding against possible abuse by the electricity supply industry 1-43887
- Feulner, R.A., Hawkins, C.R. Bonding and encapsulation of ceramic wafer 1-42598
- Feyertag, H. 80 MVA power transformers for direct connection to 220 kV 1-35528
- Fiacconi, C., Marietti, P. Charge coupled devices. I 1-40601
- Fiacconi, C., Marietti, P. Charge coupled devices. II 1-40602
- Fiacconi, C., Marietti, P. Charge coupled devices. III 1-40603
- Fiacconi, C., Marietti, P. Charge coupled devices. IV 1-40604
- Fiacconi, C., Marietti, P. Charge coupled devices. V 1-40605
- Fialkov, A.S., Osipov, N.I., Anasikin, I.F., Kuprikova, N.D. Field emission electron source made from carbon filaments 1-43190
- Fialkova, D.G., Khaikov, A.Z. Characteristics of Klystrons with double-gap resonators in the output circuit 1-40349
- Fialkovskii, A.T. see Nefedov, E.I. 1-27606
- Fialkovskiy, A.T. see Nefedov, Ye.I. 1-46993
- Fiander, D., Metzmacher, K., Milner, S., Pearce, P., Poncet, A., Schnuriger, J.C., Wikberg, T. The injection kicker system of the CERN antiproton accumulator 1-48355
- Fichaut, J., Gouars, B., Graff, P., Wallstein, R. The CTR 160: a new subscriber line concentrator [microprocessor control] 1-42002
- Fichtner, K. Gasification of coal, a survey of the engineering process and an evaluation of the fundamental technology 1-35023
- Fick, D. see Egelhof, P. 1-43163
- Ficke, D.C. see Mullani, N.A. 1-34579
- Fickel, O. see Bohmann, W. 1-30866, 1-30880
- Fickenscher, H., Luer, H.J. Blackouts will have no power over the DIMENSION PBX [power supply] 1-29515
- Fiddy, M.A., Ross, G., Nieto-Vesperinas, M. Encoding of information in inverse scattering problems 1-37298
- Fiddymment, P.J. see Devlin, W.J. 1-51454
- Fiddymment, P.J. see Stevenson, A.G. 1-37104
- Fidecaro, F. see Amendolia, S.R. 1-43238
- Fiderer, F. see Bleicher, W. 1-48743
- Fidler, H. see Borodachev, A.S. 1-31712
- Fidler, J., Kirchmayr, H., Skalicky, P. Pinning of magnetic domain walls at dislocations and precipitates in Co<sub>5</sub>Sm crystals 1-40784
- Fidler, J.K. Microcomputer-aided circuit design 1-39858
- Fidler, W.C. see Copps, E.M. 1-52168
- Fidler, Z., Hauser, Z., Piskula, J., Volfova, E. New material for the production of conduit boxes and switchboards 1-46353
- Fidos, M. see Barzykowski, J. 1-30097
- Fiebranz, A. The electrical safety of domestic aerial installations 1-28995
- Fiebranz, A. Frequency converters in receiving aerial installations 1-29036
- Fiebranz, A. Interference by multiple path reception with television and videotext 1-47775
- Fiechter, M. Testing of telecommunication systems in climatic chambers 1-51891
- Fiedler, F., Schlachetzki, A. Selective epitaxy from the liquid phase on InP 1-39786
- Fiedler, H., Hofflin, B., Demmer, W., Draheim, P. Systems components for fast analog-digital interface circuits 1-40193
- Fiedler, H. see Zimmer, G. 1-51017
- Fiedler, H.L., Hoefflinger, B., Demmer, W., Draheim, P. A 5-bit building block for 20 MHz A/D converters 1-40185
- Fiegl, G. Monocrystalline silicon sheet production for solar cells by advanced ingot technology 1-50310
- Field, D.I. DX operating—an introduction [amateur radio] 1-29629
- Field, J. see Behrend, H.-J. 1-43229
- Field, J. see Moura, A. 1-29426
- Field, J.A. see de Carvalho, J.M. 1-29513
- Field, J.A. see Wong, J.W. 1-29452
- Field, J.I., Jr. see Farber, D.J. 1-47408
- Field, K.D. see Wolf, J.J. 1-41556
- Field, P.E. Microprocessors of the 80-family 1-45362
- Field, P.E. see Combs, R.J. 1-29421
- Field, R.J. see Ghandhi, S.K. 1-32749
- Field, R.J. see Shealy, J.R. 1-32078
- Fielden, J.S. see Peddie, R.A. 1-43582, 1-48991
- Fielding, J. see Al-Khatib, H.H. 1-52132
- Fielding, S.J., Dave, R.P. Experience with field measurements of optical fibre bandwidth, and development of an automated method 1-40956
- Fields, R.E. see Baker, C.C. 1-35016
- Fienup, J.R. see Cindrich, I. 1-51827
- Fienup, J.R. see Feldkamp, G.B. 1-29220
- Fierens, E. see Debontridder, J. 1-53456
- Fietta, K. Motor control using a 'motor stop' circuit 1-53586
- Figalli, G. see Bellini, A. 1-44432, 1-53458
- Figini, G. The flip-flop of C-MOS micrologics 1-36175
- Figini, G. CMOS logical circuits. Decoding circuits 1-45364
- Figini, G. C-MOS logic circuits. Binary counters 1-50485
- Figueira, J.F., Czuchlewski, S.J., Phipps, C.R., Jr., Thomas, S.J. Plasma-breakdown retropulse isolators for the infrared 1-28749
- Figueira, J.F. see Czuchlewski, S.J. 1-28751
- Figueira, J.F. see Greene, L.H. 1-33271
- Figueiras-Vidal, A.R. Sampling bandpass signals 1-33604
- Figueiredo, A.C.D. de see de Figueiredo, A.C.D.
- Figueiredo, R.J.P. de see de Figueiredo, R.J.P.
- Figuera, A.S. see Arona, N. 1-48626
- Figuera De Vargas, J.F., Menarquez Abella, J., De La Cruz Castillo, F. Dynamic-mode irradiation: new irradiation device of Nayade Unit of the Nuclear Energy Commission 1-38852
- Figuerola, L. Generation and time multiplexing of picosecond pulses at gigahertz rates using mode-locked (GaAl)As injection lasers 1-42253
- Figuerola, L., Slayman, C.W. A novel heterostructure interdigital photodetector (HIP) with picosecond optical response 1-48083
- Figuerola, L., Slayman, C.W., Myer, J. Characterization of high-speed optical detectors and pulse dispersion in optical fibers using a mode-locked (GaAl)As laser 1-51480
- Figuerola, L. see Shyh Wang 1-33235
- Figuerola, L. see Slayman, C.W. 1-37041, 1-38200
- Fikioris, J.G. see Metrou, N. 1-51649
- Fikus see Aylott 1-49822
- Filanovsky, I.M., Stromsmoe, K.A. On minimization of the absolute value of the time domain approximation error when transfer function poles are preassigned 1-50478
- Filar, J.A. Ordered field property for stochastic games when the player who controls transitions changes from state to state 1-50122
- Filatova, L.K. Digital model of latitude-pulse converter of constant voltage 1-39999
- Filatova, N.A., Burtovoi, D.P. Investigation of the characteristics of a tapering square cross-section waveguide with a critical section 1-37351
- Filensky, W., Beneking, H. New technique for determination of static emitter and collector series resistances of bipolar transistors 1-46111
- Filensky, W., Ponce, F., Beneking, H. Applications of single and dual gate GaAs MESFETs for Gbit/s optical data transfer systems 1-33969
- Filevich, A. see Perez Ferreira, E. 1-42853
- Filho, A.B. see Rozenfeld, P. 1-46997
- Filho, F.C. Medeiros see Medeiros Filho, F.C.
- Filho, S.C. Features and requirements concerning reliability of DC power supply for telecommunications 1-44247
- Filicori, F. see Naldi, C. 1-51677
- Filimonov, G.F. see Bykov, A.P. 1-37350
- Filin, N.V. see Ageyev, A.I. 1-42866
- Filip, A. see Berbec, C. 1-31000
- Filip, Z. see Palik, F. 1-49759
- Filipchenko, A.S. see Bol'shakov, L.P. 1-32647
- Filiapiak, J. Unloading of congestion in deterministic queueing networks 1-50108
- Filipov, F.I. see Spassov, V.D. 1-46636
- Filipovic, B. About reliability of relay protection 1-30804
- Filipovic, Z. Repeat order for shuttle-service trains for the Lucerne-Stans-Engelberg railway (LSE) 1-35427
- Filipp, N.D., Gleybman, Ye.Ya. One of the reasons for radio signal fading upon scattering by magnetically oriented inhomogeneities of the lower ionosphere 1-51604
- Filippini, J.C. see Meyer, C. 1-28149
- Filippo, P. Di see Di Filippo, P.
- Filippini, P. On the number of transitive digraphs with n labeled vertices and k arcs 1-44914
- Filippov, A.S. see Karakashev, V.A. 1-36234
- Filippov, M.N. see Spivak, G.V. 1-32680
- Filippov, N.M. see Sin'kov, V.M. 1-30723
- Filippov, V.E. see Minaev, Yu.N. 1-44735
- Filippov, V.I. see Kop'ev, V.A. 1-43452
- Filippov, Yu.A. see Morozova, Yu.A. 1-44036
- Filippova, N.V. see Komissarov, O.V. 1-38874
- Fill, E., Gerck, E., Irion, M. Atomic mercury photodissociation laser in the visible 1-37067
- Fill, E. see Thieme, W. 1-28632
- Fill, E.E., Skrlac, W., Witte, K.-J. An excimer laser pumped atomic iodine laser emitting pulses in the range of 2-12 ns 1-37063
- Fillard, J.P. see Manificier, J.C. 1-27137
- Filler, D.S. Opto-logic for movement detection 1-47944
- Filler, D.S. A speech output for the blind to make audible what is written 1-52293
- Filler, R.L., Keres, L.J., Snowden, T.M., Vig, J.R. Ceramic flatpack enclosed AT and SC-cut resonators 1-40765
- Filipov, V.I., Gutman, M.B., Rubin, G.K., Pron'ko, M.G. Modern methods for design of electric resistance furnaces 1-31672
- Filoni, L. see Caruso, E. 1-38342
- Filp, A. see Bohus, M. 1-42507
- Filts, R.V., Grechin, D.P. Numerical-analytical iteration method for calculation of magnetic field of the linear asynchronous motor with a massive ferromagnetic rotor 1-31228
- Filyushkin, I.V. see Makovskii, Yu.E. 1-34478
- Filz, R.C. see Rao, Y.V. 1-30361
- Fimerelis, C., Uzunoglu, N.K. Transequatorial propagation on VHF and low UHF bands during the peak of solar cycle 21 for the Euro-African sector 1-51622
- Finardi, C.A. see Pinto, J.K.C. 1-47656
- Finch, E.C. see Gibson, P.N. 1-43262
- Finch, J.A. see Nesset, J.E. 1-41199
- Finch, L.R. see Andros, F.E. 1-31886
- Finch, R.C. The Sydney County Council's high power test station—recent modifications 1-44298
- Finch, T., Jackson, D., Cox, I., Woods, C. Programmable clocks and optimiser simulation 1-52823
- Fincher, C.L. see Birnbaum, M. 1-41070
- Findakly, T.K. Single-mode fiber-optic isolator 1-36912
- Findeisen, B. see Becker, D. 1-29648
- Finding, K. see Bewley, D.K. 1-43375
- Findlay, J.A. see Jones, D.D. 1-53226
- Findlay, R.G. Constant current driver multiplexing scheme for electrothermal printing 1-27274
- Findlay, R.G. Electrical drive compensation method 1-31737
- Fine, J.M. see Sandstrom, D.R. 1-34537
- Fine, P.R. see Wilson, T.L. 1-43369
- Finetti, M., Negrini, P., Solmi, S., Nobili, D. Electrical properties and stability of supersaturated phosphorus-doped silicon layers 1-45904
- Finetti, M., Solmi, S., Soncini, G. Multi-scan electron beam sintering of Al-Si ohmic contacts 1-46049
- Finger, R.A., Torick, E.L. FM receivers in automobiles: a case for diversity reception 1-34056
- Finger, S. see Tabors, R.D. 1-53008
- Fini, L. see Cain, G.D. 1-33855
- Finidori, C., Laporta, J. A new educational approach to the teaching of machine systems and their association with power electronics 1-49898
- Finitsky, S.I. see Minin, G.A. 1-31560
- Fink, D.G. The forces at work behind the NTSC standards 1-47782
- Fink, H., Muller, K., Pflaum, E. Service experience with 3AF vacuum circuit-breakers and 3TL vacuum contactors 1-35290
- Fink, H. see Battiwala, F. 1-35289
- Fink, K. 2 GHz radio equipment FM 1800/TV-2000/HAG-NERA 1-42178
- Fink, R., Grumbrecht, P., Raatz, E. Control and regulation of synchronous motors directly fed from inverters 1-53401
- Finkel, A.I. Digital indication of fermentation time by series instruments 1-39253
- Finkel, V.A. see Petrenko, I.S. 1-53696
- Finkel, V.M., Muravin, G.B., Lezinskaya, L.M. Energy flux density when a longitudinal shear crack propagates 1-35998
- Finkelde, F.J., Mendel, E., Miller, D.A. Method for making convex wafers 1-27900
- Finkel'shtein, K.I. see Dzhelopov, I.B. 1-30286
- Finkel'shtein, S.E. see Brusin, I.Ya. 1-37961
- Finkel'shtein, V.B., Zakharov, E.E. Calculating the external magnetic field of an electrical machine of finite length 1-31193
- Finkelstein, M., Whitley, R. Optimal strategies for repeated games 1-44807
- Finlay, H.J., Roberts, B.D. Study of burn out properties and protection of low noise GaAs FETs 1-46183
- Finley, D. see Hanson, J. 1-34445
- Finley, D. see Sakai, Y. 1-34448
- Finn, P.A. see Baker, C.C. 1-35016

- Fintinaru, N.** Considerations on the OIML pre-draft recommendation concerning metrological regulations for load cells 1-30092
- Fintinaru, N., Matkovits, I.** Equipment for testing the reliability of resistive strain gauges 1-52453
- Finzi, J.** see Lovejoy, C.M. 1-46698
- Finzi, U.** Fusion and international collaboration: the European financial commitment and links with other large programmes 1-26845
- Fiocco, G.** see Congeduti, F. 1-43436
- Fiordimela, A.** see Taschini, A. 1-39159
- Fiorentino, E.** see Dattoli, G. 1-46660
- Fiory, A.T.** see Lankford, W.F. 1-48609
- Firago, B.I., Sidorov, V.G.** Analysis of quasistationary electromagnetic phenomena in an asynchronous motor fed from a thyristor cyclo-converter 1-38976
- Fireteanu, V.** Magnetohydrodynamic interaction in cylindrical induction pumps 1-39134
- Fireteanu, V.** The electromagnetic field effects in the three-phase induction furnace with progressive field 1-39227
- Fireteanu, V.** Electro-thermal and dynamic phenomena in the progressive field three-phase induction furnace 1-49800
- Firlit, J.F.** Managing N-plant records economically 1-53182
- Fironov, A.N.** see Vinokurov, V.A. 1-49744
- Firouztaie, E.** see Tai-Jin Kim 1-30442
- Firschein, O., Rauch, H.E., Eppler, W.G.** Track assembly and background suppression using an array processor and neighborhood coding 1-41713
- Firschein, O.** see Rauch, H.E. 1-29791, 1-41688
- Firsov, K.N.** see Bunkina, M.V. 1-28784
- Fishburn, P.C., Brams, S.J., Brams, S.J.** Expected utility and approval voting 1-50113
- Fischer, A.** Deformation-free cooling of silicon wafers 1-32731
- Fischer, A.** see Kunzel, H. 1-27796
- Fischer, A.** see Ploog, K. 1-27120, 1-40438
- Fischer, C., Gamble, J.N.** The development of an intelligent reliable database driven alarm system at the ISR 1-42808
- Fischer, D.** Warning: mains failure. Data protection in microprocessor systems 1-44192
- Fischer, D.F.** see Rammerstorfer, F.G. 1-39659
- Fischer, F., Conrad, H.** Thyristor modifications for higher frequencies. I 1-28006
- Fischer, F., Conrad, H.** Thyristor modifications for higher frequencies. II 1-32811
- Fischer, F., Conrad, H.** Thyristor modifications for higher frequencies. III 1-32812
- Fischer, F., Conrad, H.** Insulation of current transformers 1-46123
- Fischer, F.H.** see Bindels, J.F.M. 1-32306
- Fischer, G.E.** see Richter, B. 1-42876
- Fischer, H.-J.** Documentation from computer-backed information and accounting systems as a testing basis for internal checking in electricity supply economics 1-30599
- Fischer, H.M.** see Althoff, K.H. 1-42878
- Fischer, J.** Proof of convergence for a modification of Goldfarb's algorithm 1-45002
- Fischer, J.C.** see Martinez, E. 1-50037
- Fischer, K., Moller, W., Ruger, W., Tannhauser, A.** A new optical waveguide transmission system for the communications networks of power utilities 1-33973
- Fischer, K.** see Eckert, D. 1-51115
- Fischer, M.** Single source groundwater heat pump operating under difficult conditions 1-31685
- Fischer, M.** Search tuning, Tunoscope, manual tuning and electronic muting in ST 6000 1-42393
- Fischer, M.J., Guibas, L.J., Griffith, N.D., Lynch, N.A.** Optimal placement of identical resources in a distributed network 1-37764
- Fischer, P., Nissen, K.W., Rohl, P.** Electric strength of polyethylene in the presence of field-enhancing inclusions 1-51039
- Fischer, P., Peschke, E.F.** Use of polyethylene and cross-linked polyethylene as insulating material for high voltage cables 1-53098
- Fischer, R.** see Derndorfer, C. 1-52680
- Fischer, R.** see Ries, H. 1-48603
- Fischer, R.B., Flagg, H.L., Harrison, R.W.** Evaluation of cross talk in diode array 1-33361
- Fischer, R.L.** see Blanchette, P.E. 1-40307
- Fischer, T.** Digital VLSI breeds next-generation TV receivers 1-52225
- Fischer, T.A., Wittig, C.** 16  $\mu$ m laser oscillation in propyne 1-46669
- Fischer, T.R.** see Gibson, J.D. 1-29107
- Fischer, V., Scheibe, P.** Problem sensed designing of impulse current generators 1-33325
- Fischer, W.** A mixed insulation system for transformers 1-44130
- Fischer, W.** Time-compressing reliability investigations at integrated circuits 1-44763
- Fischer, W.J.** see Schuffny, R. 1-50952
- Fischl, R., Mescua, J., Halpin, T.F., Guvenis, A.** On the design of transmission networks: maximization of operating flexibility 1-49056
- Fischler, H., Schwan, H.P.** Polarisation impedance of pacemaker electrodes: in vitro studies simulating practical operation 1-52808
- Fisenko, V.V., Katkov, Yu.D., Lastochkin, A.P., Maksimov, V.I.** Effects of gas dissolved in water on critical heat loadings 1-38875
- Fish, J.G.** see Barna, G.G. 1-51226
- Fish, J.G.** see Penz, P.A. 1-46591
- Fishburn, P.C.** Inverted orders for monotone scoring rules 1-26998
- Fishburn, P.C.** see Farquhar, P.H. 1-50126
- Fishchuk, D.I.** see Lobachevskiy, L.A. 1-51606
- Fishchuk, V.S.** see Shevchenko, V.I. 1-49485
- Fishell, W.G.** Big 'R', little 'c' integrated data annotation and sensor control for long range oblique photography (LOROP) 1-48907
- Fisher, A., Gilad, P., Goldin, F., Rostoker, N.** Studies of an unneutral electron cloud in the CFIA 1-48403
- Fisher, A.D.** see Warde, C. 1-38203, 1-40963
- Fisher, A.G.** see Watson, W.G. 1-49093
- Fisher, C.R.** see Voksimovic, V. 1-53203
- Fisher, D.A.** Two wire digital transmission on subscribers loops 1-41270
- Fisher, G.R.** An X-ray source for a laboratory EXAFS facility 1-34519
- Fisher, H.D.** see Roehrig, H. 1-34589
- Fisher, J.** Synchronous motors more widely used 1-31198
- Fisher, J.J.** see Ketterer, J.R. 1-52896
- Fisher, J.R.** see Collesidis, R.A. 1-41750
- Fisher, M.** see Smith, B.J. 1-27936
- Fisher, R.A., Suydam, B.R., Feldman, B.J.** Transient analysis of Kerr-like phase conjugators using frequency-domain techniques 1-41144
- Fisher, R.D., Newman, J.J.** Code performance and head/media interface 1-40807
- Fisher, R.E.** Portable telephones for 850 MHz cellular systems 1-29368
- Fisher, R.W.** Windows for standoff reconnaissance—a new approach [airborne photography] 1-48820
- Fisher, W.A.** see Jastrzebski, L. 1-38133
- Fisher, W.F.C.** see Hills, D.A. 1-42023
- Fishkis, M.M.** see Alekseev, K.B. 1-53834
- Fishman, A.** see Notea, A. 1-45139
- Fishman, D.** Advances in circuit packaging technology 1-26941
- Fishman, G.J.** The NASA/Marshall Space Flight Center program in gamma-ray burst astronomy 1-30491
- Fishman, M.M.** An asymptotic analysis of an energy receiver and an optimum receiver for detection of correlated Gaussian signals 1-33638
- Fishman, P., Jones, L.K.** Convexity properties of measures of class separation in statistical decision theory 1-37564
- Fishman, P.M.** see Othmer, E. 1-30465
- Fishtein, A.M.** The phase characteristics of transistor amplifiers with AGC 1-36120
- Fishtein, A.M.** A comparative analysis of the phase-amplitude stabilities of various amplifier-limiters 1-39959
- Fiskind, E.E.** see Pokhorilov, V.L. 1-49283
- Fistul', V.I., Kleptsov, V.F.** Filamentary metal-semiconductor structures 1-27131
- Fitch, F.B.** The consistency of system Q 1-31977
- Fitch, J.** see Smith, H. 1-43386
- Fitch, R., Foss, N.A., Narendra, P.** Post focal plane processing for staring IR imagers [using CCDs] 1-47990
- Fitch, R.K., Ghafouri, S.N., Mahmood, E.A.** Temperature limitation of a saddle field ion source 1-34420
- Fitch, V.L.** see Cester, R. 1-34429
- Fitingof, B.** Sufficient condition of universality for variable-to-variable-length methods of coding and some properties of methods of coding satisfying this condition 1-33451
- Fitingof, B.** Algorithm of storage reduction for codings with the use of code trees 1-33558
- Fit'o, V.M.** see Karinskii, S.S. 1-37235
- Fitts, J.M.** Automatic target identification of blurred images with super-resolution features 1-38208
- Fitzgerald, J.A.** Optical and electro-optical devices in tactical reconnaissance—some human factors issues 1-48901
- Fitzgerald, P.J.** see Greenstein, L.J. 1-47178
- Fitzhenry-Ritz, B.** Optical properties of electrophoretic image displays 1-42691
- Fitzl, G.** see Seifert, W. 1-39774
- Fitzpatrick, B.J., Werkhoven, C.J., McGee, T.F., Harnack, P.M., Herko, S.P., Bhargava, R.N., Dean, P.J.** Spectroscopic studies of ZnSe grown by liquid phase epitaxy 1-32058
- Fitzpatrick, B.J.** see Werkhoven, C. 1-32056
- Fitzpatrick, J.R., Goddard, V.W.** Tungsten-fluorine lamps with a passivation layer of aluminum fluoride to protect fused quartz envelopes from attack by fluorine 1-31643
- Fitzsimmons, J.** ATE classics. IV. Door opens on automatic testing with Model 200 1-34184
- Fix, G.J., Gunzburger, M.D., Nicolaidis, R.A.** On mixed finite element methods for first order elliptic systems 1-35902
- Fjallbrant, T.** Analysis of some time sharing methods in SC-filter design 1-45510
- Fjallbrant, T., Eriksson, S., Wanhammer, L.** A speech signal ATC-system with short primary blocklengths and microprocessor-based implementation 1-51889
- Fjeld, M., Aam, S.** An implementation of estimation techniques to a hydrological model for prediction of runoff to a hydroelectric power station 1-31088
- Fjetland, G.L., Whittenberg, E.L.** Tactical satellite communications 1-52090
- Fjosne, R.M.** NORDSAT 1-33955
- Flachbart, R.H., Schnitzel, R.H.** Sensitive thin film monitor 1-50697
- Flachenecker, G.** see Brose, J.W. 1-27623
- Flachs, G.** see Kochis, R. 1-45367
- Flachs, J.** Global saddle-point duality for quasi-concave programs 1-35845
- Flageat, S.** Shrinkage study of extruded synthetic insulation and sheathing materials for underground cables 1-34872
- Flagg, H.L.** see Fischer, R.B. 1-33361
- Flake, H.** Application of modern microelectronics in text communication terminals [TELETEX service] 1-29377
- Flamand, J.** see Laude, J.-P. 1-37941
- Flamig, G.** West-European Union for the construction of high-speed breeders and regeneration 1-38847
- Flamm, D.L.** see d'Agostino, R. 1-27947
- Flamm, D.L.** see Donnelly, V.M. 1-40520
- Flanagan, G.F.** see Kisner, R.A. 1-34996
- Flanagan, J.L.** Direct digital-to-analog conversion of acoustic signals 1-30573
- Flanagan, J.L.** Synthesis and recognition of speech: how computers talk 1-37430
- Flanagan, J.L.** Synthesis and recognition of speech: teaching computers to listen 1-51794
- Flanagan, K.L., Woo, L.K.** The role of simulation in top down distributed signal processor design 1-41704
- Flanders, S.N., Marshall, S.J.** Measuring building R-values for large areas 1-52399
- Flandrois, S., Masson, J.M., Rouillon, J.C.** Inter-calculation compounds of graphite with nickel chloride as cathode material for alkaline batteries 1-44327
- Flanigan, J.A.** Selective sums of loopy partizan graph games 1-39515
- Flannagan, A.** Multimode matrix displays 1-42706
- Flannagan, S.T.** see Reese, E.A. 1-32309
- Flanz, J.B., Kowalski, S., Sargent, C.P.** An isochronous beam recirculation magnet system 1-48334
- Flatman, A.V.** A user's view of fibre optic components 1-29763
- Flatow, G.F.** The number of stars indicates the quality [electrical installations] 1-26865
- Flaugh, W.H.** Derivation of a sensor specification from system requirements 1-52472
- Flavell, R.G.** The use of a dense network of amateur radio stations to determine the limits of long-range tropospheric propagation within an anticyclone 1-46924
- Fleck, J.A.** see Feit, M.D. 1-51194
- Fleck, J.A., Jr.** see Feit, M.D. 1-28427, 1-51484
- Fleckenstein, V.** Photovoltaic energy supply systems 1-53637
- Flederbach, D., Gartner, H.M., Rich, D., Tsai, H.J.** Removal of contamination reaction residues from palladium films 1-50881
- Flegel, W.M.** see Durr, H.E. 1-32430
- Flegel, W.** see Jonker, M. 1-43256
- Fleginskii, N.M.** Calculation of short-circuit currents with allowance for change in the transformation coefficient of transformers 1-49067
- Fleischer, P.E., Ganesan, A., Laker, K.R.** Effects of finite op amp gain and bandwidth on switched-capacitor filters 1-45499
- Fleischer, P.E.** see Laker, K.R. 1-50554
- Fleischer, P.E.** see Marsh, D.G. 1-52006
- Fleischer, R.L.** see Alter, H.W. 1-52820
- Fleischer, R.L.** see Bartlett, D.F. 1-52724
- Fleischer, W.** Two-step estimation methods of the limiting parameter of uniform distribution 1-39560
- Fleischfresser, G.H., Kobylar, A.W.** Providing digital techniques to the subscriber loop 1-47449
- Fleischmann, U.** Transforming ladder networks of high-pass and low-pass filter form. II 1-27504
- Fleisher, M.** see Kazovsky, L. 1-37491
- Fleissner, H.** see Gelke, K. 1-42007
- Flem, G.** see Le Flem, G.
- Fleming, J.W., Raju, V.R.** Low optical attenuation fibers prepared by plasma-enhanced MCVD 1-36947
- Fleming, J.W.** see Peterson, G.E. 1-46500
- Fleming, M.W., Mooradian, A.** Fundamental line broadening of single-mode (GaAl)As diode lasers 1-28711
- Fleming, P.** Next generation telephone: blue sky or solid ground? 1-29493
- Fleming, P.** What's coming in signaling 1-52032
- Fleming, P., Jr.** Don't get your signals crossed [telecommunications] 1-37672
- Fleming, P., Jr.** To CCIS and beyond 1-41897
- Fleming, R.J., Mohan, M.A., Parvatisam, K.** Selection of parameters of stabilizers in multia-machine power systems 1-43522

- Fleming, R.J. *see* Atkinson, P.J. 1-32103
- Fleming, T., Mohr, S. Accurate 12-bit ADC interfaces  $\mu$ Ps with simplified software 1-32376
- Fleming, T.B. Computer model gamma radiation 1-49221
- Fleming, T.R., Harrington, D.P. A class of hypothesis tests for one and two sample censored survival data 1-50134
- Fleming, W.P. *see* Lee, C.P. 1-36515
- Fleming Dias, J. *see* Karner, H.E. 1-38502
- Fletcher, A.T., Mannheimer, R. Diskette marking 1-32972
- Fletcher, J.G. *see* Al-Haddad, I.K. 1-30409
- Fletcher, W.I. *see* Langdon, G.G., Jr. 1-32304
- Fletcher, W.I. *see* Lemon, L.M. 1-35631
- Fleurot, N., Goudard, P., Mazataud, E., Nail, M., Savy, C., Bayer, C., Cauchois, Y., Kherouf, R., Mathieu, D. Calibration of silicon semiconductor detectors by the beam of a 2 MeV electron accelerator 1-34479
- Flick, C., McCown, W.R., Parker, J.H., Jr. General design aspects of a 300 MVA superconducting generator for utility application 1-31179
- Flick, C. *see* Koronides, A.G. 1-44066
- Flick, T.E. *see* Fukunaga, K. 1-33693
- Fliege, N. A method of estimating linear transformed non-Gaussian random variables 1-35733
- Fliege, N. Multiple-parameter tunable digital filters using submultiple sampling techniques 1-45533
- Fliege, N. GIC-derived filter sections for multiple-feedback techniques 1-50558
- Fliege, N. *see* Brandenbusch, W. 1-45514
- Fliegel, F. *see* Hoskins, M. 1-36486
- Fling, R.T., Fenton, R.E. A describing-function approach to antiskid design 1-49748
- Flisberg, G., Funke, B. The CU HVDC transmission 1-53062
- Flisek, T., Izental, M., Tomaszewski, M., Freza, M. Simulation of switching system with reversible overflow of traffic flow 1-41844
- Floccari, M. *see* Bruel, M. 1-36558
- Floccari, M. *see* Campisano, S.U. 1-32604
- Floc'h, M. *see* Le Floc'h, M.
- Flockerzi, D. Bifurcation formulas for ODEs in  $\mathbb{R}^n$  1-35907
- Flodberg, P.-G. *see* Akeson, B. 1-47372
- Flood, J.E., Fonseca, J.M. Digital automatic gain control for PCM signals 1-51887
- Flood, W. *see* Lambertson, G. 1-48525
- Flood, W. *see* Lambertson, G.R. 1-42997
- Flood, W.A. Overview of near millimeter wave propagation 1-46888
- Flor, W. Models for the evaluation of multiple distorted TV images 1-47798
- Flora, A.P. *see* Steiner, R.L. 1-28341
- Flora, R., Saari, J., Tool, G., Voy, D. The Energy Saver/Doublet quench protection monitor system [for superconducting magnets] 1-42830
- Flora, R.H. *see* Fowler, W.B. 1-28392
- Florea, G. *see* Dobre, M. 1-53103
- Flores, C. *see* Fanetti, E. 1-31463
- Floret, F. *see* David, J.P. 1-53641
- Florez, J.M. *see* Chin, G. 1-29826
- Florin, C. Safe operation of electrical switchgear 1-31350
- Florin, G. *see* Beyaert, B. 1-50063
- Florkowski, W., Musierowicz, K., Tomczak, G. Analog-digital instrument for measuring electric parameters of electric high voltage overhead lines 1-34236
- Florov, A.K., Khandetskin, V.S. Increasing sensitivity of two-circuit self-excited measuring quartz oscillators 1-50445
- Florov, A.K., Khandetsky, V.S. Inductance measurement of eddy-current primary transformer in the continuous HF range 1-38254
- Flos, S.L. *see* Sandjimitib, V.D. 1-31026
- Flossman, W. *see* Pettenpaul, E. 1-40535
- Flower, J.C. *see* Dakin, J.P. 1-42280
- Flower, J.O., Forge, S.C. Developments in frequency-response determination using Schroeder-phased harmonic signals 1-33632
- Flower, M.A., Rowe, R.W., Webb, S., Keyes, W.I. A comparison of three systems for performing single-photon emission tomography 1-43313
- Flowers, D.E. *see* Lahoti, B.D. 1-39037, 1-44154
- Floyd, C.E. *see* Clegg, T.B. 1-43153
- Floyd, L.E. *see* Destler, W.W. 1-48409
- Floyd, R.E., Ovies, H., Sweet, D.A., Wirick, P.G. Computer-aided terminal scanner 1-34194
- Fluckiger, E. *see* Raubenheimer, B.C. 1-34487
- Fluerasu, C. Induction heating of a steel slab 1-39213
- Fluerasu, C. Study of an induction heating equipment for steel slabs [computer-aided calculation] 1-39214
- Fluerasu, C. An approximation method for calculating the penetration of a sinusoidal electromagnetic field into nonhomogeneous cylindrical pieces 1-46821
- Flugge, G., Koppitz, B., Kotthaus, R., Lierl, H. Review of contributed papers on experimentation at LEP 1-43219
- Flugge, G. *see* Behrend, H.-J. 1-43229
- Fluitman, J.H. Applicability of the planar Hall effect 1-46389
- Fluitman, J.H.J. *see* Druyvesteyn, W.F. 1-46416
- Fluitman, J.H.J. *see* Groenland, J.P.J. 1-30045
- Flunkert, F. *see* Schiffers, A. 1-31016
- Flynn, F.P. *see* Akbaba, M. 1-53448
- Flynn, M. *see* Jack, M.A. 1-46378
- Flynn, M.J. *see* McDowell, P. 1-40107
- Flytzanis, C. *see* Agrawal, G.P. 1-28769
- Foa, L. *see* Amendolia, S.R. 1-43238
- Foata, D. A combinatorial proof of Jacobi's identity 1-27015
- Focant, J.C. Use of TDMA with the ECS 1-33944
- Focardi, E. *see* Amendolia, S.R. 1-43238
- Foch, H. *see* Cheron, Y. 1-40573
- Fock, K., Csubak, T. Intelligent data collecting and processing equipment for flow measurement 1-42521
- Foco, A. *see* Olivero, S. 1-38470
- Focsa, V. The Turnu Magurele-Nicopol hydro station for the Danube. 1-49326
- Fodor, F., Homoki, I. A three-unit electrical train for the Yugoslav Railways 1-35458
- Fodor, F., Homoki, I., Racz, M. Electric multiple unit JZ411/415 consisting of three parts for the Yugoslav Railway Administrations 1-35434
- Fodor, G. Power MOSFET versus bipolar transistor 1-32819
- Fodor, G., Szilagy, M., Zombory, L. Evaluation of inhomogeneous resistive layers by a four point method 1-30234
- Fodor, I. *see* Berta, I. 1-36699
- Foell, H. *see* Eizenberg, M. 1-36519
- Foell, W.K., Richter, J. Alternative energy future—a case study for Austria 1-34981
- Foelsche, H. *see* Claus, J. 1-48386
- Foelsche, H. *see* Weng, W.T. 1-48342
- Foerster, C.L. *see* Schneider, W.J. 1-42829
- Foetzi, H. *see* Langlois, J. 1-39009
- Fofanov, Ya.A. *see* Kapralov, V.P. 1-52593
- Fogarassy, E., Stuck, R., Grob, J.J., Siffert, P. Silicon solar cells realized by laser induced diffusion of vacuum-deposited dopants 1-39125
- Fogarassy, E. *see* Stuck, R. 1-36501
- Fogarty, J. *see* Borusk, G.M. 1-42586
- Fogel', A.L. An amplitude-phase method of measuring the radiation patterns of linear antennas 1-51662
- Fogel, S.V., de Figueiredo, R.J.P. Thematic filtering and scene interpretation based on complete invariant systems of features 1-41825
- Foggia, A. *see* Rojat, G. 1-49497
- Foglio Para, A. *see* Cerofolini, G.F. 1-52690
- Fohrmann, R. *see* Burkhardt, H. 1-43210
- Fok, M.V. *see* Kravtsov, A.E. 1-37019
- Fok, T. *see* Clark, D.T. 1-32774
- Fokeev, V.F. *see* Bondarenko, V.I. 1-28367
- Fokin, V.V. *see* Alekseev, K.B. 1-53834
- Fokin, Yu.A., Karchenko, T.P. Planning a distribution system by computer, using the random search method 1-53051
- Fokin, Yu.A., Reznikov, I.G. A statistical estimate of the number of swings of a steady-state random process (applicable to electrical loads) 1-30685
- Folberth, O.G. The physics of large-scale integration 1-46211
- Foldes, P.  $K_{\alpha}$ -band, multibeam, contiguous-coverage satellite antennas for the US 1-47053
- Foley, G. Energy conservation and substitution: refining the objectives 1-49905
- Folie, M., Paris, M. Contribution to the study of natural ageing of synthetic materials for outdoor use, in particular for cable insulation 1-43686
- Folin, K.G. *see* Gulev, V.S. 1-37096
- Folkes, J.R. *see* Howorth, J.R. 1-32578
- Folz, D.J., Goodman, P.O., Sybert, L. Impact of coal cleaning on the cost of new coal-fired power generation 1-53281
- Fomel, B.M., Jackovlev, V.P., Karliner, M.M., Lysyansky, P.B. LANS—a new code for evaluation of the electromagnetic fields and resonance frequencies of axisymmetric RF cavities 1-48452
- Fomenko, G.R. *see* Didenko, A.N. 1-46664
- Fomenkov, I.V. *see* Malkov, A.N. 1-46714
- Fomichev, N.N. *see* Grinev, A.Yu. 1-51229
- Fomin, A.F. *see* Novoselov, O.N. 1-51880
- Fomin, A.P. *see* Nazikyan, A.G. 1-38997
- Fomin, B.I. Turbogenerator and hydroelectric generator construction at the Elektrosila Leninograd-Pskov Electric-Machine Combine 1-35131
- Fomin, I.K. Technique for computing characteristics of flow-type electrical transducers 1-52451
- Fomin, N.A. *see* Ahasov, O.V. 1-41053
- Fomin, V.I. Evaluation of the cost of data gathering in an automatic control system taking into account the implementation of reliability enhancement methods 1-39464
- Fomin, V.I. *see* Zaletin, V.M. 1-38437
- Fomin, V.V. *see* Basov, Yu.G. 1-33205
- Fomin, V.V. *see* Bazarov, E.N. 1-51374
- Fomin, Ya.A. A sequential algorithm for distinguishing between random processes on the basis of threshold crossings 1-44871
- Fomina, V.I. *see* Komarov, Yu.A. 1-52605
- Fominikh, Yu.A. *see* Zotov, A.Ya. 1-35291
- Fominykh, V.I. *see* Tsvetkov, I.I. 1-38419
- Fonash, S.J. *see* Ashok, S. 1-45979
- Fonash, S.J. *see* Kardauskas, M.J. 1-45982
- Fonash, S.J. *see* Ruths, P.F. 1-52442
- Foner, S. *see* Murphy, R.J. 1-28299
- Fong, C. *see* Reginato, L.L. 1-43061
- Fong, E. *see* Avery, R. 1-42826
- Fong, H.H. *see* Vichnin, H.H. 1-50721
- Fong-Tom, R.A. *see* Seely, M.L. 1-43165
- Fonlupt, J. *see* Chagoya-Guzman, A. 1-44945
- Fonseca, J.M. *see* Flood, J.E. 1-51887
- Fonstad, C.G. *see* Carney, J.K. 1-28707
- Fonstad, C.G. *see* Tabatabaie-Alavi, K. 1-39804
- Font, J.M. *see* Sirvent *see* Sirvent Font, J.M.
- Fontaine, A. *see* Lambot, J.-P. 1-47892
- Fontaine, B. *see* Forestier, B. 1-37061, 1-51338
- Fontaine, B. *see* Ponghis, N. 1-49829
- Fontaine, J., Meyrueis, P., Quenneville, Y. A new infrared imaging system with high resolution multi-isothermic liquid crystal sheets 1-52393
- Fontaine, J.J. *see* Diels, J.-C. 1-40937
- Fontaine, M. *see* Chauvet, J.-P. 1-53812
- Fontana, R.E., Jr. *see* Guld, R.L. 1-32985
- Fontana, R.J., Chen, W.-C. On total boundedness for the existence of weakly-minimax universal codes 1-33449
- Fontana, R.J., Fox, M.S. A composite source model for speaker and isolated word recognition 1-41571
- Fontana, R.J., Gray, R.M., Kieffer, J.C. Asymptotically mean stationary channels 1-41456
- Fontana, R.P. *see* Brett, J. 1-44465
- Fontanel, A., de Staerke, D. Directional spectra of waves in the North Sea interpretation of Seasat SAR images 1-30561
- Fontanel, A. *see* de Staerke, D. 1-43443
- Fontenay, R. Robotics—an opto-electronic finger 1-38166
- Fontenay, R. Measurement of speed and position: optical angle coder in kit form 1-42592
- Foo Bing-Yuen *see* Bing-Yuen Foo
- Foo Pang Dow *see* Pang Dow Foo
- Food, A. Introduction to low-noise amplifier design 1-27324
- Foot, A., Vellenga, C., Price, J., Buchholz, W. Applications of covariance analysis simulation to avionics flight testing 1-52865
- Foot, F.B., Reber, E.E., Hodges, D.T. Active/passive near-millimeter wave imaging for tactical applications 1-47996
- Foot, R.H. Thermosetting plastics find wide applications in electrical design 1-45129
- Forbes, D.S. Superconductivity and its devices 1-40848
- Forbes, E.J. Advances in ENG/EJ microwave systems 1-34096
- Forbes, L., Tillinghast, J., Hughes, B., Li, C. Automated system for the characterization of high resistivity semiconductors by the van der Pauw method 1-47902
- Forbes, L. *see* Chang, C.D. 1-28042
- Forbes, N. Die board cutting by CO<sub>2</sub> laser 1-31726
- Force, R. *see* Lothrop, F. 1-48275
- Forcer, T.M. Improved audio-visual circuit 1-27555
- Forcina, G., Pontano, B., Colby, R.J. Acquisition, synchronization and system management for the INTELSAT TDMA system 1-47641
- Forcina, G. *see* Pontano, B.A. 1-47635
- Ford, G.E. *see* Algazi, V.R. 1-37647, 1-47167
- Ford, G.L., Srivastava, K.D. The probabilistic approach to substitution bus short circuit design 1-53571
- Ford, G.L. *see* Boggs, S.A. 1-49617
- Ford, G.L. *see* Krishnasamy, S.G. 1-43732
- Ford, H. Noise reduction systems 1-52308
- Ford, M.L. Voltage-change detector 1-45577
- Ford, R.D., Jenkins, D., Lupton, W.H., Vitkovitsky, I.M. Pulsed high-voltage and high-current outputs from homopolar energy storage system 1-39064
- Ford, T. Controlling the future with DSIC [military aircraft engine] 1-48828
- Ford, T. Flying the Super 737 1-52867
- Forest, M.G. *see* Rodger, W.H. 1-29631
- Forestier, B., Fontaine, B., Solenne, T. XeCl laser pumped by an electron beam and X-ray assisted discharge 1-37061
- Forestier, B., Fontaine, B., Solenne, T. XeCl laser pumped by an electron beam and X-ray assisted discharge 1-51338
- Forg, P.N., Freyer, J. Baritt diodes advance to Ka band 1-45647
- Forge, S.C. *see* Flower, J.O. 1-33632
- Fork, K. Computer models of power plant 1-43491
- Fork, K., Juling, W., Kaufhold, W. Damping power swings by varying the generator excitation 1-38679
- Fork, R.L., Greene, B.I., Shank, C.V. Generation of optical pulses shorter than 0.1 psec by colliding pulse mode locking 1-37175
- Fork, R.L., Greene, B.I., Shank, C.V. Generation of optical pulses shorter than 0.1 psec by colliding pulse mode-locking 1-51509
- Forlini, M.C. *see* Rubel, P. 1-48719
- Fornaca, S. *see* Boehmer, H. 1-46663
- Fornaciari, M.G. Integration simplifies TVRO design 1-52085

- Fornal, F.**, Nawrot, S. A generator-phase shifter for power system protection relay tests 1-49164
- Fornel, B.de** *see de Fornel, B.*
- Forney, P.B.** *see* Grammer, J.R. 1-52358
- Forni, C.** Fibre-optics-photo emitting devices for transmission systems 1-36873
- Forni, C.** Photo-detectors for optical fibre transmission systems 1-46634
- Forni, R.** *see* Salome, J.M. 1-42931
- Forouhar, S.** *see* Chang, W.S.C. 1-36971
- Forouhar, S.** *see* Zong-Qi Lin 1-45631
- Forrer, M.** *see* Gerber, B. 1-36676
- Forrest, A.**, Pickering, R.T., Pratten, J.R.D., Tazzyman, P. The application of microprocessors and mains signalling to energy management systems 1-43578
- Forrest, J.R.** *see* Salles, A.A. 1-27331
- Forrest, S.R.** *see* Kim, O.K. 1-51265
- Forrester, A.T.** *see* Mahoney, J.F. 1-30302
- Forrester, J.T.** *see* Malkin, P. 1-44306
- Forrester, P.A.**, Hulme, K.F. Laser rangefinders. Review 1-47747
- Forsberg, R.A.**, Kerrigan, M., Shen, W.W., Taylor, J.M. Error detection for memory with partially good chips 1-27407
- Forssell, B.** DME: distance measuring equipment 1-52326
- Forsbauer, W.** *see* Eberts, K. 1-38701
- Forster, E.C.** AM broadcast reception in the presence of multipath interference and improved demodulation techniques 1-46944
- Forster, F.** *see* Tischer, E. 1-35993
- Forster, I.C.** Theoretical design and implementation of a transcutaneous, multichannel stimulator for neural prosthesis applications 1-43379
- Forster, J.A.**, Klataske, L.F. IEEE working group report of problems with hydrogenerator thermostat stator windings. II. Detection, correction and prevention 1-44045
- Forster, J.A.**, Klataske, L.F. IEEE working group report of problems with hydrogenerator thermostat stator windings. II. Detection, correction and prevention 1-44052
- Forster, M.K.**, Boys, J.T., Woodward, J.L. A thyristor controlled high frequency link power system intertie 1-43573
- Forster, M.K.**, Boys, J.T., Woodward, J.L. A thyristor controlled high frequency link power system intertie 1-52985
- Forster, R.**, Hardek, T., Johnson, D.E., Kells, W., Kerner, V., Lai, H., Lennox, A.J., Mills, F., Miyahara, Y., Oleksiuk, L., Peters, R., Rhoades, T., Young, D., McIntyre, P.M. Electron cooling experiments at Fermilab 1-42976
- Forster, T.** Dry etch rate control of photoresist by E-beam exposure 1-27907
- Forsythe, N.** Mercury-wetted relays 1-32476
- Forte, M.N.** *see* Kalinowsky, S.A. 1-44160
- Forte Poisson, M.A.** *see* di Forte Poisson, M.A.
- Forte-Poisson, M.A.** *see* di Forte-Poisson, M.A.
- Fortin, M.** Technical evaluation of test procedures for insulated aerial devices rates less than 69 kV 1-38742
- Fortin, M.** Current transients associated with glove and accidental bare-skin contact when gloving a 25 kV distribution line 1-38743
- Fortin, P.** Digitisation of the French national intercity network 1-29344
- Fortino, R.** *see* Lee, J.C. 1-53195
- Fortmann, T.E.**, Bar-Shalom, Y., Scheffe, M. Multi-target tracking using joint probabilistic data association 1-29790
- Fortney, L.R.**, Robertson, W.J. On-line display used with cathode ray tube film measuring device 1-30204
- Fortney, L.R.**, Robertson, W.J. Global track measuring algorithm using roads 1-48629
- Fortuna, L.** *see* Di Cataldo, G. 1-27529
- Fortuna, L.** *see* Gallo, A. 1-31525
- Fortunatova, N.N.** *see* Makhnenko, V.I. 1-31719
- Fortune, L.E.** *see* Chauza, E.J. 1-47483
- Fortunko, C.M.** Ultrasonic detection and sizing of two-dimensional weld defects in the long-wavelength limit 1-36026
- Fortunko, C.M.** Ultrasonic detection and sizing of two-dimensional defects at long wavelengths 1-45132
- Forward, R.L.** Electronic damping of orthogonal bending modes in a cylindrical mast-experiment 1-45569
- Forward, R.L.** Gravity sensors and the principle of equivalence 1-52444
- Forward, R.L.** *see* Swigert, C.J. 1-45568
- Forys, E.L.** Internal bearing stabilized sighting unit (IBSSU)—a new concept in stabilization [reconnaissance cameras] 1-48821
- Foschini, G.J.**, Gopinath, B., Hayes, J.F. Optimum allocation of servers to two types of competing customers 1-47086
- Foschum, H.** Gas analysis on oil-immersed transformers 1-53505
- Foshee, J.J.** Tactical satellite communications experiment 1-52093
- Foss, M.**, Praeg, W. Shaped excitation current for synchrotron magnets 1-43086
- Foss, M.H.** A conceptual design for an accelerator system for a very high-intensity pulsed neutron source using a linear induction accelerator 1-43189
- Foss, N.A.** *see* Fitch, R. 1-47990
- Foss, O.** *see* Ramstad, T.A. 1-33589
- Fossard, A.J.** *see* Capel, A. 1-34669
- Fossi, M.** *see* Giuli, D. 1-52927
- Fossum, J.G.**, Ayman Shibib, M. An analytic model for minority-carrier transport in heavily-doped regions of silicon devices 1-50915
- Fossum, J.G.** *see* Ayman Shibib, M. 1-39124
- Foster, C.C.** An overview of experiments at the Indiana University cyclotron facility 1-38324
- Foster, E.L.** *see* Wickersham, C.E. 1-45118
- Foster, F.S.**, Patterson, M.S., Arditi, M., Hunt, J.W. The conical scanner: a two transducer ultrasound scatter imaging technique 1-48690
- Foster, F.S.** *see* Arditi, M. 1-43473
- Foster, G.** *see* Young, R. 1-32445
- Foster, I.** Microcomputer joystick controls 1-40182
- Foster, M.C.** *see* Cantor, A.J. 1-32109
- Foster, P.R.**, Miller, T. Radiation patterns of a quarter-wave monopole on a finite ground plane 1-41339
- Foster, R.W.** *see* Drago, D.W., Jr. 1-50179
- Foster, S.L.**, Reiplinger, E. Characteristics and control of transformer sound 1-31291
- Foster, W.M.**, Anderson, M.E. CAP—a combined codes, alarms and paging system—effective in nuclear and fossil-fueled power plants 1-43843
- Foster, W.M.**, Anderson, M.E. CAP—a combined codes, alarms and paging system—effective in nuclear and fossil-fueled power plants 1-49233
- Fothergill, A.E.** The magic of flexibility [tubular lighting systems] 1-31656
- Foti, G.** Post-implantation processes in semiconductor 1-36561
- Foti, G.** *see* Cullis, A.G. 1-35932
- Foti, S.** *see* Bouley, A.C. 1-48100
- Fotopoulos, S.** *see* Deliyannis, T. 1-45485
- Fouad, A.A.**, Behnam-Guilani, K. Digital modeling of synchronous machines for transient stability studies 1-53420
- Fouad, A.A.**, Krumpel, K.C., Mamandur, K.R.C., Stanton, S.E., Vittal, V. Transient stability margin as a tool for dynamic security assessment 1-53021
- Fouad, A.A.**, Stanton, S.E. Transient stability of a multi-machine power system. I. Investigation of system trajectories 1-43557
- Fouad, A.A.**, Stanton, S.E. Transient stability of a multi-machine power system. II. Critical transient energy 1-43558
- Fouad, F.A.**, Nehl, T.W., Demerdash, N.A. Magnetic field modeling of permanent magnet type electronically operated synchronous machines using finite elements 1-53397
- Fouad, F.A.** *see* Demerdash, N.A. 1-49537, 1-49538
- Fougeron, C.**, Gontier, V., Leboulicaut, Ph., Peyromauire, J. RF system for 'MIMAS' 1-48378
- Foulc, J.-M.**, Lopez, P. Introduction to robotics. II. Power supplies and driving members 1-43275
- Foulc, J.-N.**, Lopez, P. Initiation to robotics. VI. Command system of robots: programming of tasks 1-38473
- Foulc, J.-N.**, Lopez, P. Introduction to robotics. IV. Sensorial and control equipment of manipulators [industrial and medical robots] 1-43273
- Foulc, N.**, Lopez, P. Initiation in robotics. V. Robot's control system: Elaboration of servomechanism control signals [medical and industrial application] 1-43274
- Foulkes, E.J.** *see* Brozel, M.R. 1-46052
- Foulkes, J.D.** The subscriber loop plant and tree leaf vein patterns 1-29348
- Fountain, A.M.**, Hydes, A.F. Programmable function keys for display system 1-34207
- Fountain, A.M.**, Hydes, A.F. Extended function programmable keys for display system 1-34208
- Fountain, A.M.**, Hydes, A.F. Host operation of programmable function keys for display system 1-34209
- Fountain, G.H.**, Schenkel, F.W., Coughlin, T.B., Wingate, C.A. The Magsat attitude determination system 1-34665
- Fountain, G.H.** *see* Heffernan, K.J. 1-34651
- Fountain, V.A.E.** EBX8000 stored-program control PABX 1-47496
- Fourcade, C.** *see* Jossinet, J. 1-43344
- Fournet, J.** *see* Paris, P. 1-48327
- Fournie, R.**, Capelle, J., Samat, J., Criqui, M. Power capacitor endurance tests 1-45725
- Fournie, R.**, Nedelec, J. The power capacitors (1745-1980) 1-27634
- Fournie, R.** *see* Perret, J. 1-53122
- Fournier, D.** *see* Behrend, H.-J. 1-43229
- Fournier, G.** *see* Bonnet, J. 1-46694
- Fournier, J.M.** *see* Georges, A. 1-36631
- Fournier, U.** Simulation of network inductances with distributed elements in the oscillation model 1-45728
- Fournier, U.** *see* von Fournier, U.
- Fowler, A.M.** *see* Robinson, W.G. 1-48093
- Fowler, C.E.** *see* Abele, R.K. 1-34462
- Fowler, E.C.** *see* Baggett, N.V. 1-48581
- Fowler, W.B.**, Kuchnir, M., Flora, R.H., Remsbottom, R.H. Summary data from large scale quality control tests on superconducting wire 1-28392
- Fowler, W.B.** *see* Kuchnir, M. 1-48393
- Fox, C.S.** *see* Shirahata, H. 1-41045
- Fox, J.A.** Temperature compensation for varicap diodes [in VHF oscillators] 1-36141
- Fox, J.A.** BCD-to-binary conversion 1-36228
- Fox, J.D.**, Chapman, K.R., Wright, L.H. Upgrading the Florida State University tandem 1-42778
- Fox, J.D.**, Franklin, M.E.B. A luminosity monitor at PEP 1-42925
- Fox, J.R.** Studies for a future wideband local network 1-42269
- Fox, M.S.** *see* Fontana, R.J. 1-41571
- Fox, S.**, Godfrey, R.F. Measurement techniques for operational optical fibre systems 1-40955
- Fox, S.J.**, Friedman, T.D., Schaadt, R., Stucki, P., Wong, K. Multiple error correction algorithm for half-tone, continuous tone and text reproduction 1-37422
- Fox, U.**, Mackensen, E., Ulrich, D. Economical considerations regarding a gas-driven heat pump connected to the back-feeding of a district heating system 1-43898
- Fox, W.B.** Check memory HIGHs and LOWs in time 1-27397
- Fox, W.E.**, Schamaun, R.G. The FMIT experimental drift tube 1-43062
- Foxman, L.** Digital IC testing techniques 1-32845
- Foxon, C.T.** *see* Duggan, G. 1-32628
- Foygel', A.V.** *see* Fel'd, S.Ya. 1-40913
- Foyt, A.G.** The electro-optic applications of InP 1-40398
- Fraas, L.M.**, Zanio, K. The electronic structure of grain boundaries in polycrystalline semiconductor thin films 1-40379
- Frabetti, P.E.** *see* Bollini, D. 1-38421
- Frادkin, E.E.** *see* Radina, T.V. 1-51488
- Fraguito, H.L.**, De Brito Cruz, C.H. Characteristics of TEA CO<sub>2</sub> lasers with simple electrode configurations operating with or without helium 1-37074
- Fraguito, H.L.** *see* Brito Cruz, C.H. 1-37058
- Fraguito, H.L.** *see* Cruz, C.H.B. 1-37075
- Fraigi, L.**, Lupi, D. A double pulse generator 1-39983
- Frair, L.C.** *see* Kim, J.Y. 1-44758
- Frajka, B.**, Molnar, P. General survey on stored program controlled telephone exchanges 1-33886
- Fraleay, D.M.** *see* Salamoff, S.B. 1-47639
- Fraleay, P.E.** *see* Tsang, W.T. 1-51437
- Framan, E.P.** System effects of alternative energy concepts 1-53039
- Frammery, B.** *see* Baribaud, G. 1-42939
- Frammery, B.** *see* Boillot, J. 1-42937
- Frampton, C.F.** Wide range VCO gives equal mark space ratio 1-36137
- Fransazek, P.A.** Efficient code for digital magnetic recording 1-37421
- Fransazek, P.A.** Efficient code for digital magnetic recording 1-47128
- Francavilla, T.L.** *see* Howe, D.G. 1-28284
- Francavilla, T.L.** *see* Wolf, S.A. 1-46464
- France, J.T.** *see* Bolton, B. 1-39306
- France, M.M.**, van der Poorten, A.J. Arithmetic and analytic properties of paper folding sequences 1-50081
- Franceschetti, G.** Analytical techniques for reduction of computational effort in reflector antenna analysis 1-41340
- Franceschetti, G.** *see* Alexopoulos, N.G. 1-51717
- Franceschetti, G.** *see* Bucci, O.M. 1-47010
- Francey, J.L.A.** *see* Tirkel, A.Z. 1-52569
- Francinet, G.** *see* Aleksan, R. 1-48582
- Francis, D.B.** Device for removal of sinusoidal noise from sampled signal 1-30447
- Francis, D.B.** *see* Bonner, R.E. 1-30449
- Francis, E.E.** Small scale hydro electric development in England and Wales 1-49330
- Francis, E.J.** *see* Dugger, G.L. 1-31115
- Francis, S.H.**, Lunde, H.R., Talpey, T.E., Reinold, G.A. Magnetic localization of buried cable by the SCARAB submersible [using magnetometer array] 1-47516
- Franco, A.**, Brozek, R.J. Predicting oil ring self-lubricated sleeve bearing temperature rise and its effect on shaft criticals 1-53342
- Franco, C.** *see* Bonaventura, V. 1-47415, 1-51954
- Franco, D.**, Reed, L. The cell design system [VLSI chip layout] 1-46242
- Francois, G.E.** *see* Philips, N.J.L. 1-45265
- Francois, L.** The new workshop 'REPELEC' at Maizieres-les-Metz 1-49972
- Francolini, G.** *see* Capellini, V. 1-37574
- Franczak, B.** *see* Blasche, K. 1-42782
- Frandsen, P.** *see* Cockerill, D. 1-43233
- Frangakis, G.P.** Serial negabinary adder-subtractor and multiplier 1-32267

- Frangoulis, E., Turner, L.F. Time encoded speech and Hadamard transform coded speech—fundamental and a comparison 1-51811
- Frank, A.L. *see* Benton, E.T. 1-52821
- Frank, C.D. *see* Wynne, V.T. 1-48969
- Frank, C.W. *see* Shaw, H.J. 1-36805
- Frank, F.J. *see* Sejvar, J. 1-53228
- Frank, G. *see* Ettinger, Y. 1-31830
- Frank, H. *see* Dietrich, M. 1-53148
- Frank, H. *see* Olwegard, A. 1-48958
- Frank, R. *see* Inculat, I.I. 1-37274
- Frank, R.K. *see* Hittler, D.L. 1-31630
- Frank, W. Compact house substations for smaller building complexes 1-30966
- Franke, G. Trigger and decision processors 1-38448
- Franke, H.-J. Correct pump planning [boiler feed pump] 1-35035
- Franke, K. The application of in-circuit tester in the quality control 1-34188
- Frankel, J., Korman, W.J., Capsimalis, G.C. An in-process thickness determination during electroplating or electropolishing by the ultrasonic pulse-echo technique 1-38628
- Frankel, R., Buxton, W., Kohler, K., Warkentien, R., White, A. 'RELWAY': a process data highway system optimized for accelerators 1-42799
- Frankel, R., Herman, A., Stattel, P., Warkentien, R. Process control for the ISABELLE system 1-42804
- Frankel, R.S. *see* Humphrey, J.W. 1-48316
- Franken, A. A new high-resolution Plumbicon tube 1-32573
- Franken, A., Lohuis, W. Highlight handling with diode gun Plumbicon tubes 1-40358
- Franken, W.M.P. *see* Elen, J.D. 1-41196
- Frankl, P. *see* Cohen, G. 1-33563
- Frankland, E. *see* Green, A.A. 1-53218
- Franklin, C. *see* Hodson, E.K. 1-47184
- Franklin, J.E., Urlick, R.J. Conventional and binary time series models of sonar fluctuations 1-42344
- Franklin, L. How to build a deluxe solid-state voice operated relay 1-52066
- Franklin, M.A. VLSI performance comparison of banyan and crossbar communications networks 1-29235
- Franklin, M.A., Wann, D.F. VLSI-based interconnection networks 1-47399
- Franklin, M.E.B. *see* Fox, J.D. 1-42925
- Franklin, P.J., Gardner, G.E. Power transmission from offshore wind generation systems 1-53334
- Franklin, R.H. Drilling of multilayer substrates with laminated metal foil interfaces 1-27692
- Franklin, W. Randolph *see* Randolph Franklin, W.
- Franko, F. *see* Novash, V.I. 1-43767
- Frankowski, G., Wernicke, G. Hologram camera for measurement and test investigations 1-46806
- Franks, C.I. *see* Stevens, J.C. 1-30437
- Fransen, L.J. *see* Kang, G.S. 1-41580
- Frantar, J. *see* Langus, J. 1-47881
- Frantsevich, I.N. Electrical contacts produced by powder metallurgy methods 1-39822
- Frantz, C.C., Bulent Cambel, A. Net energy analysis of space power satellites 1-53622
- Frantz, G.A. *see* Kun-Shan Lin 1-41539
- Frantz, R.A. Reliability considerations for metalized plastic film capacitors under high-stress AC waveforms 1-50644
- Frantz, R.A.J., Lohmann, V., Spendal, E. 420 kV SF<sub>6</sub> gas-insulated switchgear installation for the pumped storage plant Drakensberg 1-49591
- Frantz, K. *see* Dachselt, S. 1-44492
- Frantz, M., Holze, J., Kalb, A. Development sequence of ECL gate arrays SH 100 1-40074
- Frantz, M. *see* Miller, R.B. 1-48397
- Frantz, M.R. *see* Genoni, T.C. 1-48306
- Franzen, D., Day, G.W., Danielson, B.L., Chamberlain, G.E., Kim, E.M. Interlaboratory measurement comparison to determine the attenuation and bandwidth of graded-index optical fibers 1-51146
- Franzen, D.L., Day, G.W., Danielson, B.L., Kim, E.M., Chamberlain, G.E. Results of an interlaboratory measurement comparison among fiber manufacturers to determine attenuation, bandwidth, and NA of graded-index optical fibers 1-36924
- Franzen, D.L., Kim, E.M. Interlaboratory measurement comparison to determine the radiation angle (N.A.) of graded-index optical fibers 1-33023
- Franzen, D.L. *see* Day, G.W. (editor) 1-26781
- Franzke, B. Vacuum requirements for heavy ion synchrotrons 1-42797
- Franzke, B. *see* Blasche, K. 1-42782, 1-48311
- Franzke, J. *see* Burkhardt, H. 1-43210
- Franzosi, G. *see* Pessina, G. 1-53487
- Frary, D.J. Guided-weapon control systems 1-48788
- Fraschetti, G. *see* Barale, G. 1-48834
- Fraser, D.B., Murarka, S.P., Tretola, A.R., Sinha, A.K. Tantalum silicide/polycrystalline silicon—high conductivity gates for CMOS LSI applications 1-46318
- Fraser, D.B. *see* Auston, D.H. 1-28586
- Fraser, G.W., Mathieson, E. Signal location using resistive anodes of Gear's design 1-38420
- Fraser, G.W., Mathieson, E. Signal location by uniform resistive anodes. II. Circular anodes in the DC limit 1-43214
- Fraser, G.W., Mathieson, E., Evans, K.D. The capacitively terminated RC line. II. Signal location by amplitude ratio methods 1-30344
- Fraser, G.W., Mathieson, E., Evans, K.D., Lumb, D.H., Steer, B. The capacitively terminated RC line. I. Signal location by the difference zero-cross time method 1-30343
- Fraser, J.M. Application of satellite demand assignment in telephone networks 1-42213
- Fraser, J.S. Developments in non-destructive beam diagnostics 1-42905
- Fraser, R.E., Hancey, W.R., Jr. GTD-5 EAX system testing methodology 1-47481
- Frasure, D.W. *see* Bales, T. 1-37689
- Frater, R.H., Williams, D.R. An active 'cold' noise source 1-27617
- Frater, R.H. *see* Gough, R.G. 1-38158
- Fratucello, G. *see* Bordin, G. 1-28226
- Frauche, J.P. *see* Harmer, A.L. 1-32468, 1-36377
- Fray, A.F. *see* Alder, C.J. 1-52524
- Fray, C., Andritsos, I., Papiernik, A. Additional losses and time delay fluctuations of TE<sub>11</sub> modes in curved circular waveguides—application to feeder antennas 1-41436
- Fray, C., Andritsos, I., Papiernik, A. Excess loss of TE<sub>11</sub> modes in curved circular waveguide 1-41288
- Frayssé, L. *see* Alard, J.P. 1-52717
- Frazee, R.E. *see* Smithgall, D.H. 1-36916
- Frazier, G. *see* Demeter, L.J. 1-49614
- Freddi, A. *see* Camponuovo, G.F. 1-53290
- Fredericks, E.C., Moreau, W.M. Deep UV resists 1-32733
- Fredericks, E.C. *see* Chiu, G.T. 1-27901
- Fredrick, R.L. Why test at all? [communication networks] 1-33733
- Fredricksen, H.M. Using full sequences for spread spectrum applications 1-33529
- Fredricksen, H.P., Levy, M., Gavalier, J., Ashkin, M. Ultrasonic surface acoustic wave investigation of thin films of superconducting NbN 1-28309
- Fredrickson, D. *see* Hornstra, F. 1-31438
- Fredrickson, H.J. 72-inch long range oblique photography (LOROP) camera [airborne reconnaissance] 1-48894
- Fredriks, R.M., Goldmann, L.S. Module-to-card interconnection 1-27709
- Freece, D.A. *see* De Freece, D.A.
- Freedman, L.A. The space shuttle closed circuit television system 1-52252
- Freedman, R.S. Moments of intersymbol interference 1-33474
- Freedman, R.S. Least square approximation to error probabilities using generalized Gram-Charlier expansions 1-35869
- Freedman, S.J. *see* Gagliardi, C.A. 1-43167
- Freeman, D.F. Asymptotic performance of nonlinear demodulators in impulsive noise 1-37401
- Freeman, E.C., Slowik, J.H. Mechanism for injecting contact formation at metal-CdS or CdSe interfaces 1-50822
- Freeman, E.M. *see* Csendes, Z.J. 1-44028
- Freeman, E.M. *see* El-Markabi, M.H.S. 1-53381
- Freeman, E.M. *see* Papageorgiou, C. 1-49491
- Freeman, G.H.C. Performance of detectors in the ultraviolet (UV) and vacuum ultraviolet (VUV) 1-34294
- Freeman, G.N. *see* Ludwig, C.B. 1-42552
- Freeman, J. *see* Burkhardt, H. 1-43210
- Freeman, J.R. *see* Humphries, S., Jr. 1-48411
- Freeman, M. Onsite base-load power 1-49030
- Freeman, M., Daly, E. Street lighting in the UK 1-49789
- Freeman, R.D. *see* Argumedo, A.J. 1-32974
- Freeman, R.H. *see* Anafi, D. 1-41112
- Freeman, R.H. *see* Spinhirne, J.M. 1-28739
- Freeman, R.R., Panock, R., Bjorkholm, J.E., Cooke, W.E. Optical SHG in atomic sodium 1-46798
- Freeman, R.R. *see* Bokor, J. 1-33277, 1-46799
- Freeman, R.R. *see* White, J.C. 1-37071, 1-51388
- Freeman, S. Critical path analysis for analog circuits 1-36041
- Freeman, W.J. Measurement of cortical evoked potentials by decomposition of their wave forms 1-43339
- Freeouf, J.L. *see* Kirchner, P.D. 1-35942
- Freese, C.E. *see* Tracey, D.M. 1-39636
- Freese, F., Geise, P., George, E., Singh, T. Axle shaft optical inspection system 1-30014
- Freese, F. *see* Geise, P. 1-26902, 1-27694
- Freezer, D.R. Design considerations for US Coast Guard search and surveillance forward looking infrared (FLIR) system 1-48798
- Frei, G. *see* Landolt, J. 1-43868
- Frei, P. The unit control system of the Kosovo B brown coal power station in Yugoslavia 1-53234
- Frei, W. *see* Brown, D. 1-29200
- Freiberg, V.G. *see* Golovach, E.A. 1-38855
- Freidrich, L. *see* Bechtold, V. 1-51092
- Freiesleben, W. The solar material market projections, needs and commitments 1-53664
- Freik, D.M., Brodin, I.I., Kostik, B.F. Properties of p-type Pb<sub>0.8</sub>Sn<sub>0.2</sub>Se films [Structure and electrical properties] 1-27842
- Freiman, E.A. *see* Pelts, B.B. 1-31650
- Freiman, S.W. *see* Walraen, G.E. 1-46521
- Freimanis, L., Smith, D.P. A floating, low-power subscriber line interface circuit [bipolar IC technology] 1-52004
- Freitag, G. *see* Kratz, G. 1-35432
- Freitag, K. Measurements at optical fibres according to the backscattering method 1-46530
- Freitag, M. Applications of analogue computers in the elimination of interference in dynamic measurements carried out on internal combustion engines 1-42532
- Freitag, R.G. *see* Degenford, J.E. 1-45309
- Freitag, W.O. *see* Baltz, A. 1-46387
- Fremelin, J.H. *see* Al-Haddad, I.K. 1-30409
- Fremond, M., Friaa, A., Raupp, M. Limit analysis of a RLC circuit. Mechanical analogy 1-39840
- Fremuth, W. The situation of the Austrian Electricity Industry 1-53013
- French, G.A. Evaluator diode 1-27551
- French, G.A. Voltage calibrator for oscilloscopes 1-34324
- French, G.A. Burglar alarm with entrance delay 1-39364
- French, G.A. Sleepy time radio switch 1-45572
- French, P.S.-J.R. Axle motor and inverter driven MU for BR 1-31563
- French, R.C. Mobile radio channel reuse and spectrum efficiency in the presence of multipath propagation 1-46947
- French, R.C., Mabey, P.J. Error control in mobile-radio data communication 1-52070
- French, R.H. *see* Lee, J.S. 1-52080
- French, R.L., Meitlis, I. Salton Sea solar pond project 1-31121
- French, S.L. *see* McCoy, J.M. 1-39311
- Frenkel, A.Y., Zabelina, L.G. A system of algorithms and programs for nonlinear simulation of generating units on a digital computer and its use in simulation of a 1200 MW unit 1-35053
- Frenkel, Z.M. *see* Namitokov, K.K. 1-27676
- Frenkl, J.S., Keck, M.F. Turboprop engine uses electronic controls 1-52921
- Frensch, T. Oscillator performance improved by crystal and oven design 1-36727
- Frensel, W.R. Power-limiting breakdown effects in GaAs MESFETs 1-46144
- Frenzel, C. *see* Eckert, D. 1-51115
- Freret, P., Eschenbach, R., Crawford, D., Braisted, P. Applications of spread-spectrum radio to wireless terminal communications 1-29460
- Freris, L.L. *see* Laithwaite, E.R. 1-35589
- Frese, H., Hochweller, G., Krechlok, W., Schmitz, R. FPSS—a fast packet switching system 1-42973
- Frese, H. *see* Hochweller, G. 1-42974
- Frese, K.W. *see* Madou, M.J. 1-35380
- Frese, K.W., Jr. *see* Loo, B.H. 1-50851
- Frese, R.E. TRI-TAC status 1-29325
- Fressy, G. *see* Lebailly, J. 1-33155
- Freude, W. Far-field profiling of multimode optical fibres 1-40891
- Freund, A. Overcurrent protection selection and application 1-34938
- Freund, A. Overcurrent protection selection and application 1-34939
- Freund, A. Reducing motor losses. I. Motor losses and efficiency 1-35110
- Freund, A. Reducing motor losses. II. Methods, application, and payback 1-35122
- Freund, A. Reducing motor losses. III. The NASA invention 1-38949
- Freund, A. Overcurrent protection selection and application. Low-voltage switches 1-39078
- Freund, A. Overcurrent protection selection and application 1-53137
- Freund, A. Overcurrent protection selection and application 1-53138
- Freund, A. Overcurrent protection selection and application [current transformers] 1-53511
- Freund, A. Overcurrent protection selection and application [medium voltage fuses] 1-53568
- Freund, A. Reducing motor losses. IV. Variable speed drives 1-53702
- Freund, T.J. Buffer staging and reservation 1-33838
- Freund, T.J. *see* Deaver, R.L. 1-29087, 1-33487, 1-33836, 1-33837
- Freundel, P., Tihany, J. A novel MOS power transistor: SIPMOS 1-28040
- Freundlich, P., Kolodziej, H.A., Narewski, E. An algorithm to be used in the lumped-capacitance method for measurements of complex dielectric permittivity in systems with large tan  $\delta$  from 100 MHz to 18 GHz 1-48204
- Frew, W. *see* Baltzer, E. 1-35283
- Frey, D.R. *see* Carlisle, A.W. 1-29516
- Frey, H. *see* Etter, P. 1-35425
- Frey, J. *see* Cook, R.K. 1-45977
- Frey, J. *see* Krusius, P. 1-32707
- Frey, J. *see* Perloff, D.S. 1-40670
- Frey, R. *see* Agrawal, G.P. 1-28769

- Frey, R.** *see* Bleicher, W. 1-48743  
**Frey, R.L.** *see* Anderson, R.E. 1-42209, 1-52172  
**Frey, W.** *see* Weng, W.T. 1-48342  
**Freyer, J.** *see* Forg, P.N. 1-45647  
**Freyer, K.** *see* Birkholz, W. 1-42577  
**Freyer, U.** Voltage and power relationships in AM transmitters 1-29601  
**Freyman, G.A.** *see* Buzyskiy, P.L. 1-35812  
**Freymer, P.** An overview of power station management 1-30845  
**Freytag, D.** Low noise charge sensitive amplifier with low input impedance 1-34506  
**Freytag, H.H.** Towards compatibility in the IEC bus system 1-47411  
**Freza, M.** *see* Flisek, T. 1-41844  
**Friaa, A.** *see* Fremond, M. 1-39840  
**Frick, P.A.** Automatic control of small hydroelectric plants 1-43987  
**Frick, P.A.** Automatic control of small hydroelectric plants 1-49329  
**Frick, R.** *see* Schiemenz, P. 1-43156  
**Frick, R.K.** Viewing cost as a management tool 1-49933  
**Fricke, R.** An HP 97 calculator method for HF skywave field strength prediction 1-46935  
**Fridkin, V.M.,** Karimov, B.Kh., Kuznetsov, V.A., Lobachev, A.N., Magomadov, R.M., Shternberg, A.A. Photovoltaic effect in cubic ZnS crystals 1-33118  
**Fridkin, V.M.** *see* Barsukova, M.L. 1-33119  
**Fridkin, V.M.** *see* Batirov, T.M. 1-46616  
**Fridlyand, M.G.,** Kudryavtsev, A.A. The effect of an external magnetic field on the work of the cathode of the arc in a carbon-bearing mixture 1-31718  
**Fridman, S.A.** *see* Zemskov, K.I. 1-38146  
**Fridshal, D.** *see* Schwertman, N.C. 1-35730  
**Friebele, E.J.** *see* Sigel, G.H., Jr. 1-40947  
**Fried, P.** *see* Liberson, W.T. 1-48716  
**Frieden, B.R.** Maximum-information data processing: application to optical signals 1-29215  
**Friedenson, R.A.** *see* Breiland, J.R. 1-27211  
**Friedenthal, E.** *see* Paglione, R. 1-34637  
**Friedenthal, E.** *see* Paglione, R.W. 1-48749  
**Friedenthal, J.K.** *see* Aarik, J.A. 1-33239  
**Friederich, H.** *see* Birkle, M. 1-52611  
**Friederich, H.** *see* Moser, H.P. 1-44129  
**Friedery, A.,** Kampfen, F. Continuous measurement of residual moisture in a laboratory centrifuge 1-38314  
**Friedlaender, F.J.** *see* Reffle, J. 1-28861  
**Friedland, S.** A generalization of the Motzkin-Taussky theorem 1-39482  
**Friedlander, B.** An ARMA modeling approach to multitarget tracking 1-29792  
**Friedlander, B.** System identification techniques for adaptive noise cancelling 1-37552  
**Friedlander, B.** A pole-zero lattice form for adaptive line enhancement 1-37553  
**Friedlander, B.** A recursive maximum likelihood algorithm for ARMA line enhancement 1-37628  
**Friedlander, B.** A modified lattice algorithm for deconvolving filtered impulsive processes 1-41755  
**Friedlander, B.,** Maitra, S. Speech deconvolution by recursive ARMA lattice filters 1-41550  
**Friedlander, B.,** Morf, M. Least-squares algorithms for adaptive linear-phase filtering 1-37604  
**Friedlander, B.** *see* Lee, D.T.L. 1-37496  
**Friedlander, B.** *see* Porat, B. 1-41758  
**Friedlander, F.G.** A singular initial-boundary value problem for a generalized Euler-Darboux equation 1-50095  
**Friedman, B.,** Halpern, E.H. Non-cooperative game theory as a rationale for independent research and development in decision making 1-31827  
**Friedman, D.H.** Estimation of formant parameters by sum-of-poles modeling 1-37465  
**Friedman, D.H.** On approximating an FIR filter using discrete orthonormal exponentials 1-47196  
**Friedman, H.** Harmonics? Here's a simple and inexpensive way to get rid of them [radio links] 1-33922  
**Friedman, H.** Those popular cordless telephones 1-51996  
**Friedman, L.** Parameter estimation in a minimum-type model by the least-squares method—a Monte Carlo study 1-44850  
**Friedman, L.,** Gertsbakh, I. Parameter estimations in a minimum-type scheme 1-44849  
**Friedman, M.J.** Mathematical study of the nonlinear singular integral magnetic field equation. II 1-51557  
**Friedman, P.** Facilities mapping—engineering data base of the 80s [utility industry] 1-30644  
**Friedman, P.S.** Progress on the development of luminescent solar concentrators 1-35381  
**Friedman, T.D.** *see* Fox, S.J. 1-37422  
**Friedmann, D.,** Curzon, F.L., Young, J. A new electrical breakdown phenomenon in gas-filled insulating bulbs 1-32527  
**Friedrich, H.** Technological and economic limitations on the size-reduction of VLSI structures 1-46210  
**Friedrich, W.** The neper and the decibel—logarithmic parameters 1-38288  
**Friemelt, J.** Codes and security in data and text transmission 1-47113  
**Friend, B.** *see* Jonker, M. 1-43256  
**Fries, D.C.** *see* Behrend, H.-J. 1-43229  
**Fries, R.** *see* Parker, S.I. 1-43235  
**Friesem, A.A.** *see* Hirshfeld, Z. 1-37227  
**Friesen, D.K.,** Deuermeyer, B.L. Analysis of greedy solutions for a replacement part sequencing problem 1-31904  
**Friesen, J.H.** Address mark recognition circuit 1-36192  
**Frieser, R.G.,** Gregor, L.V., Reeber, M.D. Structure for enhancing thermal nucleation of semiconductor devices 1-27904  
**Frieman, E.E.E.** *see* ten Kate, J.H. 1-34557  
**Frigo, N.J.,** Mahr, H., Erskine, D.J. Application of a mode-locked two-wavelength laser to semiconductors 1-51551  
**Frigyes, I.** Voice Under Data system transmitting hybrid information 1-47290  
**Frijling, D.J.** *see* Van Schooneveld, C. 1-29164  
**Friker, H.** Sodium coolant for solar-thermal 1-31102  
**Frisardi, T.** *see* Pierson, E.S. 1-31471  
**Frisch, R.** *see* Fauchaux, F. 1-43281  
**Frischmann, P.G.** *see* Mischler, W.R. 1-44125  
**Frischolz, H.** *see* Brown, P. 1-43051  
**Frishman, E.M.,** Ivshin, E.N. Interaction forces between track and carriages on magnetic support 1-49743  
**Frisiani, A.L.,** Kurtzberg, J.M., Roth, J.P. Embedding interleaved with constraints [logic design] 1-45392  
**Fritsch, H.** New transmitter aerials for Rimberg station for the simultaneous radiation of 3 television programs, each with 20/2 kW transmitter power in the UHF range 1-51684  
**Fritsch, K.,** Adamovsky, G. Simple circuit for feedback stabilization of a single-mode optical fiber interferometer 1-46534  
**Fritsch, T.A.** Recent trends in large thermal and hydroelectric power production generators 1-35120  
**Fritsche, H.-A.** Coaxial connectors—four-pole networks with high bandwidth properties 1-29596  
**Fritts, D.H.** Testing the mechanical characteristics of sintered nickel battery plaque and their relationship to nickel electrode performance 1-35346  
**Fritz, B.** *see* Bittencourt, A. 1-34706  
**Fritz, I.J.** High-temperature measurements of Q-factor in rotated X-cut quartz resonators 1-36720  
**Fritz, S.L.** *see* Dwyer, S.J., III 1-43320  
**Fritz, W.** The PTT and electromagnetic interference protection 1-46961  
**Fritz, W.** *see* Ebert, W. 1-34046  
**Fritzer, B.M.,** Knodt, C.P. External rework process for multilevel metal integrated circuits 1-40638  
**Fritzsche, A.** The chance of wind power 1-44014  
**Fritzsche, D.** *see* Klitzing, K.V. 1-28030  
**Fritzsche, H.** *see* Persans, P.D. 1-46606  
**Fritzsche, H.** *see* Seinecke, S. 1-29760  
**Frnadsen, A.** *see* Bach, H. 1-41348  
**Frøberg, C.-E.** *see* Bohman, J. 1-35930  
**Frodsham, D.G.** Rocket-borne liquid-helium-cooled circular-variable filter spectrometer 1-48859  
**Frodsham, D.G.,** Baker, D.J. Computer-aided design of optimal infrared detector preamplifiers 1-45186  
**Frodsham, D.G.,** Baker, D.J. Computer-aided design of optimal infrared detector preamplifiers 1-48104  
**Froehlich, T.,** Herok, P. Measurements of stray currents in hard coal mines 1-30798  
**Froehly, C.** *see* Barthelemy, A. 1-40934, 1-51183  
**Froelich, A.J.** A low-cost infrared seeker (LCIRS) for terminal homing 1-52473  
**Frohlich, H.,** Bommas, G. Data transmission via European communications satellite 1-29429  
**Frohlich, K.,** Widl, W. Breakdown and field emission behaviour of differently prestressed vacuum interrupter copper contacts 1-53579  
**Frohmann, R.** A method of testing and setting in motion a system of data-collecting terminals 1-34221  
**Frolov, A.V.** Analytical modeling of the switching effect in a thyristor operating under non-steady-state conditions 1-44198  
**Frolov, V.A.** The best power for compensation plant in 0.38 kV rural networks 1-38741  
**Frolov, V.M.** *see* Abil'slitov, G.A. 1-37083  
**Frolov, V.V.** *see* Fedotov, A.P. 1-30290  
**Frolov, V.Ya.** *see* Adon'ev, N.M. 1-44267  
**Froment, B.** *see* Epelboin, I. 1-44345  
**Fromm, B.,** Zorn, P. Digitally controlled thyristor adjuster with low stray radiation 1-32182  
**Fromm, V.A.** *see* Kosyrev, F.K. 1-53833  
**Fromzel, V.A.** *see* Kalinin, V.N. 1-33215  
**Fronc, K.,** Raczynska, J. Crystallization of GaAs-Al<sub>0.3</sub>Ga<sub>0.7</sub>As laser heterostructures from solution thin layer 1-28714  
**Frontera, F.,** Fuligni, F., Morelli, E., Pizzichini, G., Ventura, G. Detection of pseudo gamma-ray bursts of long duration 1-30383  
**Frosch, P.,** Gollnitz, M. Dielectric investigations with cellulose paper impregnated with liquid nitrogen 1-38274  
**Frost, C.A.** *see* Olson, C.L. 1-48295  
**Frost, J.** Arc travel in quiescent SF<sub>6</sub> 1-28158  
**Frost, J.** Arc-motion on V-shaped electrodes in SF<sub>6</sub> 1-51040  
**Frost, J.D., Jr.** *see* Saltzberg, B. 1-30452  
**Frost, M.M.** *see* Roehrig, H. 1-34589  
**Frost, M.T.,** Harrowfield, I.R., Zuiderwyk, M. A wide bandwidth, solid state BSE detector for the SEM and microprobe 1-34475  
**Frost, M.T.** *see* Barrett, D. 1-53752  
**Frost, V.S.,** Stiles, J.A., Shanmugam, K.S., Holtzman, J.C. A system model for imaging radars and its application to minimum mean square filtering 1-29788  
**Frota-Pessoa, S.** *see* Octavio, M. 1-28362  
**Fruchtenicht, J.,** Jordan, H., Seinsch, H.O. The electromagnetic origin of running disturbances in induction-motor drives 1-31497  
**Fruhau, U.** Automatic measurement and testing processes—technical requirements and fundamental problems 1-49994  
**Fruhwith, O.,** Herzog, G.W., Poulos, J. ZnO photoeffects under galvanostatic and potentiostatic conditions 1-28558  
**Frullani, S.** *see* Federici, L. 1-43268  
**Frumin, V.L.** *see* Tolkunov, V.P. 1-44059  
**Frungel, F.B.A.** High speed pulse technology. Vol.4. Sparks and laser pulses 1-39321  
**Frutos, A.M.de** *see* de Frutos, A.M.  
**Fryatt, A.** Development of possible uses of the neutron radiography 1-39836  
**Frydrychowicz, S.** *see* Schutte, H. 1-29198  
**Frye, G.M., Jr.** *see* Koga, R. 1-34473  
**Frye, J.W.** A functional for finite element analysis of low intensity magnetic fields including permanent magnetization effects 1-28836  
**Frye, R.J.** *see* Biess, J.J. 1-30530  
**Fryer, D.M.** *see* Allan, R.N. 1-39442  
**Fryer, T.B.** *see* Lund, G.F. 1-30024  
**Fu Chong-Cheng** *see* Chong-Cheng Fu  
**Fu Kian Ku, Heng Li Kuo** The symmetrical properties of multidimensional linear phase FIR digital filter and its frequency response 1-45547  
**Fu Shen-li** *see* Shen-li Fu  
**Fu Shu-fen** *see* Chen Jian-wen 1-51339  
**Fu Tsang Chin** *see* Chin Fu Tsang  
**Fu Yaozong** An experimental study of VLF waveguide propagation 1-51623  
**Fu-cheng Lin** *see* Lin Fu-cheng  
**Fu-li Li** *see* Li Fu-li  
**Fu-ming Li** *see* Li Fu-ming  
**Fu-nian Cao** *see* Cao Fu-nian  
**Fu-zeng Xie** *see* Xie Fu-zeng  
**Fucetola, J.P.** *see* Beyers, J.W. 1-32310  
**Fuchigami, T.,** Ohmura, M., Kojima, N. Relation between dimensional deviation of star quad and crossstalk attenuation value within a quad 1-46981  
**Fuchigami, T.,** Ohmura, M., Tomita, N., Kohima, N. Relation between star quad structure variation and cross-talk power ratio within quad 1-33905  
**Fuchigami, T.** *see* Kojima, N. 1-42145  
**Fuchigami, T.** *see* Tomita, N. 1-41901  
**Fuchs, E.F.,** Pohl, G. Computer generated polycentric grid design and a novel dynamic acceleration of convergence for the iterative solution of magnetic fields based on the finite difference method 1-49408  
**Fuchs, E.F.,** Senske, K. Comparison of iterative solutions of the finite difference method with measurements as applied to Poisson's and the diffusion equations 1-49411  
**Fuchs, G.** *see* Kantelberg, G. 1-32403  
**Fudemoto, I.** *see* Sugioka, R. 1-42053  
**Fugitt, J.,** Howard, D., Crosby, F., Johnson, R., Nolan, M., Yuen, G. A simplified RF power system for Wideroe-type linacs 1-48356  
**Fugitt, J.** *see* Kim, H. 1-48331  
**Fuhrmann, A.** *see* Fanghanel, E. 1-35350  
**Fuhrmann, H.** *see* Opitz, R. 1-31569  
**Fuhrmann, J.** *see* Makowiecki, D. 1-34500  
**Fuhrmann, J.** *see* Thompson, P. 1-43118  
**Fuhrmann, W.** A new concept realizing RLCT-n-ports 1-39865  
**Fuja, R.E.** *see* Baker, C.C. 1-35016  
**Fuji, S.,** Kaneda, Y., Matsuo, M., Yoshida, M. Computer aided three dimensional reconstruction and imaging system for CT images 1-43323  
**Fuji, Y.** *see* Sarai, J. 1-50328  
**Fujie, H.** Voltage fluctuation correcting system for electric railways using thyristor-controlled reactive power compensating apparatus 1-49085  
**Fujihara, H.** *see* Yoshizawa, A. 1-29639  
**Fujihara, K.** *see* Nakashima, M. 1-45761  
**Fujihashi, Y.** *see* Yasuda, K. 1-37821  
**Fujii, E.** *see* Inami, Y. 1-39096  
**Fujii, G.,** Ranney, M.A., Clark, A.F. Thermal expansion of multifilamentary Nb<sub>3</sub>Sn and V<sub>3</sub>Ga superconductive cables and fiberglass-epoxy and cotton-phenolic composite materials 1-34893  
**Fujii, H.** *see* Aihara, H. 1-43211

- Fujii, K., Kearsley, A.J., Andrews, A.J., Errey, K.H., Webb, C.E. A resistively stabilized XeCl laser operating at 200 Hz 1-51342
- Fujii, K., Torimaru, Y., Nakagawa, K., Fujimoto, T., Aoki, Y. 400 V MOS IC for EL display 1-28126
- Fujii, M. *see* Hirose, K. 1-34889, 1-43755
- Fujii, M. *see* Shin, K. 1-52688
- Fujii, N., Kobayashi, T. Simulation program for planning coal handling and storage facilities on an optimum scale 1-31011
- Fujii, N. *see* Aihara, K. 1-29431
- Fujii, N. *see* Nonaka, S. 1-39167
- Fujii, P. *see* Bostrom, D.E. 1-52911
- Fujii, S. *see* Matsuo, M. 1-43321
- Fujii, S. *see* Wakai, N. 1-43428
- Fujii, T. Study of universal motors with lag angle brushes 1-38961
- Fujii, T., Mizukawa, K., Itami, K. Properties of composite box beams under flexural and torsional loading 1-45128
- Fujii, T., Yoshida, K., Banno, T., Hamamura, M., Sakamoto, S. CAD systems for manufacturing printed-circuit boards for use in general electronic equipment 1-40298
- Fujii, T. *see* Hiyamizu, S. 1-32674, 1-40443
- Fujii, Y. *see* Tachikawa, Y. 1-52105
- Fujiki, K. Network recognition for VLSI mask pattern data 1-36663
- Fujiki, M. Research on telecommunication traffic—present status and future problems 1-47296
- Fujiki, M. Applications of the theory of communication traffic. V. Application to common controls in switching systems 1-51876
- Fujiki, M. Research on telecommunication traffic—present status and future problems 1-51902
- Fujiki, N. *see* Ishida, T. 1-39173
- Fujimaki, N., Okabe, Y., Okamura, S. Radiation detection with superconducting granular thin films 1-36855
- Fujimori, A. *see* Uede, H. 1-48173
- Fujimori, H., Yoshimoto, H., Masumoto, T., Mitera, T. Anomalous eddy current loss and amorphous magnetic materials with low core loss 1-40818
- Fujimoto, K. *see* Hirasawa, K. 1-41351
- Fujimoto, M. Semiconductor devices for optical fiber transmission systems 1-37903
- Fujimoto, M. *see* Takanashi, H. 1-29769
- Fujimoto, T. *see* Fujii, K. 1-28126
- Fujimoto, T. *see* Iwahana, T. 1-44431, 1-49754
- Fujimura, S., Toyota, H. A comparison of automatic classification algorithms for land use map by remotely sensed data 1-43463
- Fujimura, S. *see* Hanaizumi, H. 1-33645
- Fujimura, T., Naito, K., Suzuki, Y. DC flashover voltage characteristics of contaminated insulators 1-34911
- Fujimura, T. *see* Ozaki, Y. 1-49146
- Fujimura, T. *see* Uesaka, T. 1-50729
- Fujino, T., Umeda, Y. Transient cycle slipping occurrence probability 1-51838
- Fujino, T. *see* Hattori, T. 1-48383
- Fujino, T. *see* Katayama, T. 1-48382
- Fujino, T. *see* Miyake, M. 1-51789
- Fujino, T. *see* Murakami, K. 1-40006
- Fujio, T. A method of calculating transmission signal values for chrominance components in a color imaging system 1-34094
- Fujioka, H., Nakamae, K., Takaoka, H., Ura, K. Function testing of bipolar and MOS LSI circuits with a combined stroboscopic SEM-microcomputer system 1-45402
- Fujioka, H., Ura, K. Waveform measurements on gigahertz semiconductor devices by scanning electron microscope stroboscopy 1-50903
- Fujioka, H. *see* Nakamae, K. 1-40593
- Fujioka, M., Shinozuka, T., Tanaka, E., Arai, Y., Hayashibe, S., Ishimatsu, T. A new EMIS facility at the Tohoku University cyclotron 1-48328
- Fujioka, M. *see* Ishii, K. 1-48324
- Fujioka, T. *see* Midorikawa, K. 1-33256
- Fujioka, T. *see* Ogura, T. 1-27356
- Fujioka, T. *see* Saito, S. 1-51324, 1-51355
- Fujioka, T. *see* Sumida, S. 1-46678
- Fujioka, T. *see* Udagawa, M. 1-41058
- Fujisaki, H., Katagiri, Y. Formulation and quantitative evaluation of processes of information transmission by means of words 1-47092
- Fujisaki, H. *see* Takahashi, M. 1-50274
- Fujisaki, M. *see* Bywater, J.A. 1-52644
- Fujisaki, M. *see* Terwilliger, K.M. 1-42787
- Fujisaki, Y. *see* Sakurai, T. 1-34887, 1-43698
- Fujisawa, K., Ohmae, Y., Shiota, F. Phenomenological explanations for the unbiased operation of even-harmonic Josephson junction mixers 1-33000
- Fujisawa, K. *see* Tomita, M. 1-34161
- Fujisawa, T., Motonaga, S., Ueda, N., Yamada, S., Hasegawa, T. Performance of the IPCR polarized proton and deuteron source 1-43160
- Fujisawa, T. *see* Ueda, N. 1-43159
- Fujita, F., Kawahira, K., Ote, Y., Otsuka, S., Kagawa, T. Diesel-electric train used as luxury superexpress by Korean National Railroad 1-31572
- Fujita, H. *see* Kato, H. 1-28186
- Fujita, H. *see* Kotajima, H. 1-52143
- Fujita, H. *see* Ueda, Y. 1-41819
- Fujita, H. *see* Yamanaka, C. 1-51348
- Fujita, K. *see* Kitajima, H. 1-52127
- Fujita, M. Comparison of convergence property among adaptive arrays 1-47072
- Fujita, M. *see* Asanuma, N. 1-42441
- Fujita, M. *see* Fukuchi, H. 1-46906
- Fujita, M. *see* Furuhama, Y. 1-33333
- Fujita, S., Kanno, N., Ito, K., Ofuka, T., Okamoto, M. A 1.3  $\mu\text{m}$ -band ITV video-signal transceiver using laser diodes 1-52113
- Fujita, S., Nishihara, M., Won-Lon Hoi, Sasaki, A. Deep trap states in  $\text{Si}_3\text{B}_4$  layer on Si substrate 1-40468
- Fujita, T., Adachi, S. Impedance of a spherical probe immersed in a warm magnetized plasma 1-43440
- Fujita, T., Yamada, H., Komeda, T., Takemoto, T. Flat emitter transistor with self-aligned base [for bipolar LSI] 1-46286
- Fujita, Y. *see* Matoba, M. 1-34482
- Fujiu, Y. *see* Yamakawa, I. 1-28859
- Fujiwara, E., Kaneda, S. Rotational byte error detecting codes for memory systems 1-47135
- Fujiwara, H. *see* Nakagawa, K. 1-29775
- Fujiwara, H. *see* Sato, T. 1-32207
- Fujiwara, K. *see* Arita, K. 1-32473
- Fujiwara, K. *see* Mukunashi, H. 1-37914
- Fujiwara, K. *see* Nakamura, G. 1-40421
- Fujiwara, K. *see* Nishimatsu, E. 1-37847
- Fujiwara, M., Kubota, K., Lang, R. Low-frequency intensity fluctuation in laser diodes with external optical feedback 1-33218
- Fujiwara, M. *see* Matoba, M. 1-34482
- Fujiwara, T. *see* Hanamitsu, K. 1-41088, 1-51436
- Fujiwara, T. *see* Ishida, T. 1-39173
- Fujiwara, T. *see* Ishikawa, H. 1-41092
- Fujiwara, T. *see* Shima, K. 1-33223
- Fujiwara, Y. *see* Kusano, T. 1-49118
- Fujiya, H. *see* Imai, H. 1-37413
- Fujiyasu, H. *see* Kinoshita, H. 1-45980
- Fukada, E., Furukawa, T. Piezoelectricity and ferroelectricity in polyvinylidene fluoride 1-28167
- Fukagawa, H., Miyauchi, H., Yamada, Y., Yosida, S., Ando, N. Insulation properties of 250 kV DC XLPE cables 1-43701
- Fukahori, K. Monolithic tunable notch filter 1-27519
- Fukai, I. *see* Washisu, S. 1-33306
- Fukai, I. *see* Yoshida, N. 1-37253, 1-46824
- Fukami, H., Kojima, K. Extinction measurements of solar radiation within a snow cover 1-48838
- Fukasawa, A. Composition and analysis of a new waveguide resonator filter with dielectric loading 1-45610
- Fukasawa, A., Sato, T., Hosoda, K. Miniaturized microwave filter construction with dielectric-loaded resonator and space coupling 1-45620
- Fukase, M. *see* Nishizawa, J. 1-40397
- Fukatsu, T., Tahira, K., Miyakawa, T. Study of deep level impurities in semiconductors. I. The effect of diffusion on photoelectric effects 1-40998
- Fukatsu, T., Tahira, K., Miyakawa, T. Study of deep level impurities in semiconductors. II. Waveform analysis of photoelectric effects 1-40999
- Fukamoto, S. *see* Mori, Y. 1-43151
- Fukuchi, H., Fujita, M., Nakamura, K., Furuhama, Y., Otsu, Y. Rain attenuation characteristics on quasi-millimeter waves using Japanese geostationary satellites CS and BSE 1-46906
- Fukuda, E. *see* Matsubayashi, Y. 1-38775
- Fukuda, H. *see* Ohwada, N. 1-51897
- Fukuda, H. *see* Shinohara, K. 1-33238
- Fukuda, I., Uchida, T. Matrix display characteristics of a DTN liquid crystal cell 1-38249
- Fukuda, I., Uchida, T. Matrix behavior of various liquid crystal displays 1-46590
- Fukuda, O. *see* Nakahara, M. 1-36949
- Fukuda, O. *see* Sato, M. 1-40930
- Fukuda, T. *see* Iwasaki, K. 1-28173
- Fukuhara, R. *see* Arai, K. 1-29392
- Fukui, A. *see* Osada, M. 1-36375
- Fukui, A. *see* Yasuda, K. 1-37821
- Fukui, H. *see* Wemple, S.H. 1-40588
- Fukui, K. *see* Nogi, S. 1-51639
- Fukui, T., Horikoshi, Y. Organometallic VPE growth of  $\text{In}_{x-1}\text{Sb}_x\text{P}_3$  on InAs 1-27128
- Fukui, T. *see* Sugi, M. 1-37006
- Fukuma, M. *see* Noda, J. 1-46486
- Fukumaru, F. *see* Yamanaka, C. 1-51348
- Fukumoto, A. *see* Wakabayashi, I. 1-43876
- Fukumoto, A. *see* Wakabayashi, J. 1-30950
- Fukumoto, S., Igarashi, Z., Inagaki, S., Ito, K., Kato, T., Kubota, C., Mori, Y., Takagi, A., Takasaki, E., Takenaka, T. Polarised proton preaccelerator program 1-43049
- Fukumoto, S. *see* Mori, Y. 1-43186
- Fukumoto, T. *see* Satoh, S. 1-46315
- Fukumura, T. *see* Toriwaki, J. 1-41820
- Fukunaga, K., Flick, T.E. A test of the Gaussian-ness of a data set using clustering 1-33693
- Fukunaga, T., Tazaki, S. A model of burst error characteristics on digital recording system 1-51787
- Fukunaga, T. *see* Ishida, S. 1-45967
- Fukunaga, T. *see* Ohya, N. 1-43291
- Fukunami, M., Inoue, M., Hori, M., Tsujioka, K., Kubo, T., Inada, H., Abe, H. Computerized system for precordial ECG mapping analysis and its clinical application 1-43361
- Fukunishi, H. *see* Yoshino, T. 1-46879
- Fukuno, A. *see* Mishra, R.K. 1-46427
- Fukuoka, J. *see* Yoshida, N. 1-37253, 1-46824
- Fukuoka, N., Cleveland, J.W. Optical studies of radiation damage in neutron transmutation doped silicon 1-27933
- Fukuoka, N. *see* Kobayashi, Y. 1-45611
- Fukushima, I. *see* Horie, N. 1-29915
- Fukushima, I. *see* Kobori, Y. 1-34099
- Fukushima, K. *see* Matsumoto, H. 1-35051
- Fukushima, M. Exploring recent advances in mathematical programming. III. Quasi Newton methods 1-27049
- Fukushima, M., Ishikawa, K., Naito, M., Inada, H., Inoue, M., Abe, H., Ishimoto, S., Okamoto, M., Hine, S., Omura, K. Arrhythmia monitoring system with multi-micro-computers 1-43362
- Fukushima, M., Mine, H. A generalized proximal point algorithm for certain nonconvex minimization problems 1-44986
- Fukushima, N. *see* Kurahashi, K. 1-48176
- Fukushima, Y. *see* Uchiike, H. 1-45880
- Fukuta, M. *see* Kusakawa, H. 1-46316
- Fukuta, M. *see* Yamamura, S. 1-45661
- Fukuta, M. *see* Yokoyama, N. 1-28135
- Fukutomi, H., Tsuboya, I. A general view of lightning protection technology [for telecommunication installations] 1-41854
- Fukutomi, R. Japan's recent achievement in telecommunication networks and its future prospect 1-29317
- Fukuyama, K., Kofman, W. Incoherent scattering of an electromagnetic wave in the mesosphere: a theoretical consideration 1-28908
- Fukuyama, O. *see* Dieter Ambos, H. 1-48731
- Fukuyama, T., Nakao, K., Chiba, T., Ueno, T. Recent speaker system design using honeycomb disk speakers 1-34158
- Fukuyo, H. *see* Oura, N. 1-46357
- Fukuyoshi, T. *see* Taniguchi, R. 1-53369
- Fukuzawa, M. *see* Yada, T. 1-31724
- Fukuzawa, T. *see* Matsueda, H. 1-40961, 1-46562
- Fukuzawa, T. *see* Tanifuji, T. 1-52595
- Fulda, F. *see* Augustin, J.E. 1-43230
- Fulenwider, J.E. *see* Fernandes, R.A. 1-29777
- Fulford, G.R. *see* Blake, J.R. 1-50079
- Fuli, L. *see* Elgin, J.N. 1-51308
- Fuligni, F. *see* Frontera, F. 1-30383
- Fulks, R.T. *see* Powell, R.A. 1-50877
- Fulks, R.T. *see* Yep, T.O. 1-27972
- Fullbright, H.J. *see* Elliott, J.C. 1-43188
- Fuller, J., Sanchez, C. Photovoltaic electric energy storage. II 1-35364
- Fuller, A.T. Root location criteria for quartic equations 1-35705
- Fuller, C.W. *see* Hamm, R.W. 1-42880
- Fuller, J.L., Gilliam, D.M., Grundl, J.A. A double fission chamber for absolute fission rate measurements in power reactor environments 1-34488
- Fuller, L.C., Stovall, T.K. Steam turbine cycle thermodynamic performance analysis 1-31022
- Fuller, M.J. The quenching of  $\text{Y}_2\text{O}_3:\text{Eu}$  luminescence by cerium 1-46629
- Fuller, R.M., Epler, F.A. Overview of an AMPS mobile call processing system 1-29658
- Fullwood, L., Kurisu, V., Buckroyd, H., Mestdagh, D. Resist adhesion. 'It's the surface that counts' [PCB manufacture] 1-27702
- Fulton, G. *see* Dunham, C.L. 1-29461
- Fulton, R. A reassessment of network requirements [data transmission] 1-29465
- Funaki, T. *see* Kurihara, S. 1-33771
- Funakubo, H. A newly created electrical total arm prosthesis of module type controlled by micro-computer and voice command system 1-48752
- Funakubo, H., Isomura, T. Study of phenomena of eddy currents 1-28840
- Funakubo, H., Itoh, H., Yoshida, K. On development of portable voice input unit 1-33574
- Funakubo, H. *see* Mine, N. 1-33727
- Funari, J. *see* Bakos, P. 1-27735
- Funck, R. *see* Obregon, J. 1-32215, 1-45667
- Fung, A.K., Eom, H.J. Note on the Kirchhoff rough surface solution in backscattering 1-41218
- Fung, A.K., Hyo Joon Eom Multiple scattering and depolarization by a randomly rough Kirchhoff surface 1-41211
- Fung, H., Rizzo, J. Regulator boosts supply voltage for programming EE-PROMs 1-45256
- Fung, K.T., Scheffler, R.L., Stolpe, J. Wind energy—a utility perspective 1-31139
- Fung, K.T., Scheffler, R.L., Stolpe, J. Wind energy—a utility perspective 1-35109
- Fung, S., Nicholas, R.J. Photoconductivity studies of Cr deep acceptors in InP 1-28560

- Funge, S. Locating and reducing sources of noise 1-48914
- Funk, R. Susceptibility of semiconductors to damage from electrostatic discharge—a review and update of the CMOS IC protection capability 1-28121
- Funke, B. see Flisberg, G. 1-53062
- Funt, B.L. see Colbow, K. 1-35332
- Funt, B.L. see El Guibaly, F. 1-46029
- Funtowicz, C. see Guenin, J.P. 1-47624
- Fuquan Ji see Ji Fuquan
- Furchert, Kallenbach, Schatter, Schilling, Winkler, Warmus Microelectronics in electrical equipment technology. XI. Microprocessor coupling to the controlled equipment 1-31506
- Furchert, H.J., Kallenbach, Schatter, G., Winkler, Wurmus Microelectronics in instrumentation technology. XII. Coupling microcomputer technology to elements of instrumentation technology 1-49725
- Furedi, M., Tersztianszky, T. Determination of the frequency characteristics of power consumers in Hungary by means of calculation 1-43652
- Furetta, C., Pellegrini, R. Some dosimetric properties of  $\text{Li}_2\text{B}_4\text{O}_7\text{:Mn}$  (TLD-800) 1-48758
- Furetta, C. see Bacci, C. 1-30405
- Furga, G. Supert see Superti Furga, G.
- Furgason, E.S. see Lee, B.B. 1-38614
- Furgason, E.S. see Saniee, J. 1-38627
- Furlong, W.J. see Yee, J.S. 1-29029
- Furman, A., Kalter, H.L. Inverter driver with improved performance 1-27265
- Furman, B. see Magee, T.J. 1-50748
- Furman, B.K. see Magee, T.J. 1-40382
- Furman, C.R. see Ferraro, R.J. 1-31586
- Furmanov, G.P. see Bragin, N.V. 1-32692
- Furnes, N., Stokke, K.N. Reflection problems in mountainous areas: tests with circular polarisation for television and VHF/FM broadcasting in Norway 1-28906
- Furno, E.J. see Miller, H.C. 1-32550
- Furrer, B., Guggenbuhl, W. Noise analysis of sampled-data circuits 1-45243
- Fursin, G.I. see Amirkhanov, A.V. 1-32809
- Fursin, G.I. see Vekshina, E.V. 1-32876
- Fursova, T.V. see Klinkova, L.A. 1-27092
- Fursova, V.V. Circuit changes on electric locomotive ChS 2 from No.305 1-53730
- Furst, W. Legal protection in the utilization of nuclear power 1-30868
- Furu, Y. see Nagata, K. 1-26951
- Furuhamu, Y., Ihara, T. Remote sensing of path-averaged raindrop size distributions from microwave scattering measurements 1-43437
- Furuhamu, Y., Ihara, T., Fujita, M., Shinozuka, T., Nakamura, K., Awaka, J. Propagation characteristics of millimeter and centimetre waves of ETS-II classified by rainfall types 1-33333
- Furuhamu, Y. see Fukuchi, H. 1-46906
- Furuhamu, Y. see Ihara, T. 1-46897
- Furui, N. see Suzuki, A. 1-50829
- Furui, S. Cepstral analysis technique for automatic speaker verification 1-33572
- Furui, S. Comparison of speaker recognition methods using statistical features and dynamic features 1-41533
- Furui, Y., Kamiya, T., Ueki, A., Sentsui, S., Sasaki, Y., Miya, T. Fabrication study of single-mode optical fibers with P/F-doped cladding 1-36950
- Furukawa, H., Shirae, K., Kishida, K. Enhancement of flux sensitivity by parallel operation of RF SQUID 1-46473
- Furukawa, K. see Noda, N. 1-38762
- Furukawa, M., Adachi, T., Zeniya, K. New chassis for PALSECAM system color television receiver 1-42403
- Furukawa, S., Ashiya, F., Negishi, Y., Kojima, N. Ocean environment effects on 43 mm submarine coaxial cable attenuation constant 1-47517
- Furukawa, S. see Asano, T. 1-40502
- Furukawa, S. see Ashiya, F. 1-33913, 1-42150, 1-52042
- Furukawa, S. see Matsumura, H. 1-27146, 1-27803, 1-40420, 1-40581
- Furukawa, S. see Negishi, Y. 1-52041
- Furukawa, S. see Nomura, T. 1-51071
- Furukawa, S. see Saitoh, S. 1-40452
- Furukawa, T., Johnson, G.E. Measurements of ferroelectric switching characteristics in polyvinylidene fluoride 1-46349
- Furukawa, T. see Fukada, E. 1-28167
- Furukawa, T. see Furuta, T. 1-30608
- Furukawa, T. see Johnson, G.E. 1-28182
- Furukawa, T. see Kato, H. 1-47197
- Furukawa, T. see Tanaka, H. 1-43356
- Furukawa, T. see Yajima, K. 1-43365
- Furukawa, Y., Yamabe, M., Ishizuka, T., Inagaki, T. Current stability of single-crystal and sintered  $\text{LaB}_6$  cathodes 1-27750
- Furukawa, Y. see Igaki, S. 1-36547
- Furukawa, Y. see Takemura, T. 1-30609
- Furumaya, K. see Chiba, T. 1-44669
- Furumaya, K. see Kamikawai, R. 1-45416
- Furuno, F. Fixed cross coils and moving magnet-type temperature indicator 1-52504
- Furuno, K. see Seki, S. 1-42848
- Furusawa, H. see Hirose, K. 1-34889, 1-43755
- Furusawa, H. see Iwata, Z. 1-34818
- Furusawa, H. see Sakurai, T. 1-34887, 1-43698
- Furuse, M. see Kai, T. 1-43770
- Furuta, O., Yamada, M. Phase fluctuations of cross-polarized signals at 4 GHz in fine weather on earth-space paths 1-29669
- Furuta, S. see Okada, M. 1-46165
- Furuta, T., Hiramatsu, M., Tohyama, K., Takiguchi, K., Furukawa, T., Ohno, I. Centralized supervisory control equipment 1-30608
- Furuta, Y. see Yamada, T. 1-51131
- Furutsu, K. On the diffusion equation derived from the space-time transport equation. I 1-51615
- Furutsu, K. On the diffusion equation derived from the space-time transport equation. II. Case of anisotropic random media 1-51616
- Furutsu, K. see Ito, S. 1-51627
- Furutsuka, T. see Katano, F. 1-28104
- Furuya, I. see Inatani, H. 1-34694
- Furuya, K., Coldren, L.A., Miller, B.I., Rent'schler, J.A. Crystallographic facets chemically etched in GaInAsP/InP for integrated optics 1-51215
- Furuya, N., Miyama, H., Nakayama, Y., Kino, Y. A SAW ring filter with a phase matching electrode 1-36763
- Furuya, S. see Saito, Y. 1-32433
- Furuya, S. see Takashima, H. 1-37853
- Furuya, T., Hiramatsu, S., Nakazato, T., Kato, T., Kneisel, P., Kojima, Y., Takagi, T. First results on a 500 MHz superconducting test cavity for TRISTAN 1-43101
- Furuya, Y. see Murakami, S. 1-47608
- Fuschetto, A. Three-actuator deformable water-cooled mirror 1-36993
- Fusco, L. Nimbus-7 coastal-zone colour scanner data processing for Earthnet—experience to date 1-48869
- Fusek, R.L., Huff, L. Use of a holographic lens for producing cylindrical holographic stereograms 1-37230
- Fusek, R.L. see Huff, L. 1-37231
- Fushimi, H. see Takahashi, M. 1-33991
- Fussell, J.W. A differential linear predictive voice coder for 1200 Bps 1-37443
- Fussli, B. see Jager, H. 1-49706
- Fuste, A.E. see De Los Reyes, E. 1-27309
- Futagami, S., Shirakawa, I., Ozaki, H. A layout system of single-layer printed wiring boards 1-32495
- Futakawa, A., Yamasaki, S., Kawakami, T. Deformation and fracture behavior of stator windings subjected to bending loads 1-53366
- Futami, T. see Takekoshi, Y. 1-45446
- Futterman, W.I., Benson, R.S. Infrared (IR) scene generation and analytic statistical modeling 1-41690
- Futterman, W.I. see Rauch, H.E. 1-33688
- Fuyuki, S. see Nashimoto, Y. 1-27889
- Fuyuki, T., Matsunami, H. Determination of lifetime and diffusion constant of minority carriers by a phase-shift technique using an electron-beam-induced current 1-50756
- Fuyuki, T. see Matsunami, H. 1-27914
- Fyfe, I.S. see Mason, J.M. 1-42570
- Fyodorov, A.R. On a method for simulating external boundary value problems 1-27077
- Gaabs, S. LEW electric tunnel furnaces for burning grain grinding tools 1-31670
- Gaarder, N.T., Landau, H.J., Rege, K., Slepian, D. Min-max extrapolation of bandlimited sequences 1-32007
- Gabasov, V.M., Maksimov, L.A., Chirkin, V.N. Apparatus for recording ultrasonic modeling data in a digital form 1-34705
- Gabay, S. see Lavi, S. 1-33258
- Gabel, C.W. see Harvey, G.T. 1-28703
- Gabel, J. Is cable TV moving yet? A summing-up after five years 1-29908
- Gabel, R.A. On the performance of equiprille FIR interpolating filters 1-36271
- Gabel, R.A. On the design and performance of equiprille IIR interpolators 1-36278
- Gabelya, M.S. see Tsulaya, M.I. 1-48658
- Gabillard, R. see Degauque, P. 1-28922
- Gabillard, R. see Zeddani, A. 1-47034
- Gable, M.G. see Alvarez, M.F. 1-29453
- Gabor, A.J. see Scooby, R.P. 1-30445
- Gabourin, F. Control of the transmission of electrical energy (dispatching) 1-34758
- Gabovich, M.D., Kozyre, Yu.N., Naida, A.P. Continuous 20-mA source of negative hydrogen ions with a low level of beam-current pulsations 1-30305
- Gabovich, M.D. see Vladimirov, V.V. 1-27759
- Gabovich, Ye.Ya., Melamed, I.I. An approach to the analysis of discrete problems regarding lengths of permutations 1-35830
- Gabriel, H.M. see Kloos, K.H. 1-32083
- Gabriel, R. see Yang, M.-J. 1-48584
- Gabriel, T.A. see Goodman, M.S. 1-34447
- Gabriele, B. see Antognetti, P. 1-28003
- Gabrielidis, L. see Lambros, A. 1-47276
- Gabris, F. Electric strength of  $\text{SF}_6$  metal-clad EHV systems with disturbances 1-30741
- Gacek, D. see Wang, S.-T. 1-28377
- Gacon, J.C. see Gros, A. 1-32106
- Gacs, I. A real evaluation method for the air pollution effects of power plants 1-53240
- Gadani, J.P. System effectiveness evaluation using star and delta transformations 1-35676
- Gadani, J.P., Misra, K.B. A network reduction and transformation algorithm for assessing system effectiveness indexes 1-35677
- Gadani, J.P., Misra, K.B. Network reliability evaluation of three-state devices using transformation technique 1-35694
- Gadassin, V.A. Estimation with consideration of reliability of efficiency of hierarchical systems with complex subordination 1-35671
- Gadenz, R.N. see Eldumiaty, I.I. 1-46235
- Gadi, K. Analog inputs=digital square-root outputs 1-40180
- Gadir, O.M. Abdel see Abdel Gadir, O.M.
- Gadola, S., Eremia, M. Contributions to the increase of the transmission capacity of the variable operation daily cyclic rated power cable 1-43685
- Gadomski, A. see Bovzhik, Ya. 1-48622
- Gadre, J. see Stern, T.E. 1-47603
- Gadre, R. see Dhariwal, S.R. 1-49692
- Gadshy, K.J. see Harrie, D.T. 1-52397
- Gadzhiev, A.R. see Aliev, I.M. 1-33104
- Gaensslen, F.H., Jaeger, R.C. Behavior of electrically small depletion mode MOSFETs at low temperature 1-32833
- Gafarella, J.H. see Baker, R.P. 1-32929
- Gaffney, B., Chressanthos, A. An analysis of the detection performance of a digital hard limited phased encoded CFAR 1-42313
- Gaffney, B. see O'Brien, J. 1-42632
- Gaffney, D.P., Kalter, H.L., Kotecha, H.N., Troutman, R.R., Wiedman, F.W. Dense hot electron programmable memory 1-40639
- Gaffney, S.T., Magde, D. Excited singlet state absorption in laser dyes 1-28675
- Gaffney, S.T. see Magde, D. 1-33198
- Gafni, G. see Yellin, N. 1-35937
- Gafurova, M.V. see Dyunaidov, S.S. 1-50765
- Gagalowicz, A. see Pratt, W.K. 1-33624
- Gagarin, V.V. An experiment in the repair of a turbogenerator 1-49405
- Gage, D.S., Lewin, L., Barnes, F.S. Millimeter wave Fabry-Perot interferometer for the measurement of the conductivity of thin films for solar cells 1-35390
- Gage, D.S. see Thorpe, T.L. 1-34369
- Gagen, P.F. see Schwartz, M.I. 1-37923
- Gagin, M.L. see Epshtein, R.M. 1-38920
- Gagliardi, C.A., Davis, A.R., Garvey, G.T., McKeown, R.D., Myslek-Laurikainen, B., Robertson, R.G.H., Freedman, S.J., Bowles, T.J. A polarized  $^6\text{Li}$  target to study parity violation 1-43167
- Gagliardi, D. The new telecommunication services and the integrated digital network. Problems and prospects 1-41872
- Gagliardi, R.M. Optical communications for deep space missions 1-42243
- Gagliardi, R.M. see Prati, G. 1-29779
- Gagnaire, H. Comparison between back-scattering and forward-scattering studies of an unclad optical fibre 1-33052
- Gagnepain, J. see Hauden, D. 1-51069
- Gagnepain, J.J. see Planat, M. 1-36760
- Gagnepain, J.-J., Theobald, J.-G. Influence of a magnetic field on the frequency of a quartz resonator 1-40757
- Gagnon, R. see Behrooz, F. 1-39579
- Gagnon, R.J. Liquid-crystal twist-cell optics 1-28536
- Gagunashvili, N.D., Zul'karneev, R.Ya., Murtazayev, Kh. Allowance for instrumental errors in experiments on double scattering of elementary particles 1-30326
- Gahbler, I. see Eckhardt, H. 1-49434
- Gahery, Y., Haour, R. Description and applications of a programmable stimulation system for electrophysiology, used as a computer peripheral 1-43337
- Gahler, R. see Klein, A.G. 1-34412
- Gahm, J. see Stenqvist, G. 1-34846
- Gai, D. see Carli, N. 1-38149
- Gaibros, G.L. Lightning current magnitude through distribution arresters 1-30808
- Gaibros, G.L. Lightning current magnitude through distribution arresters 1-38824
- Gaicofci, T.A. Modeling techniques for ADINA analysis of stiffened shell structures 1-39649
- Gaida, G. see Baev, V.M. 1-51424
- Gaidimaskas, J. Hydraulic microturbines for the production of energy in the Argentine Republic 1-38923
- Gaidot, A. see Aleksan, R. 1-48582
- Gaidot, Y. see Behrend, H.-J. 1-43229
- Gaidukova, I.S., Il'ina, O.Yu., Yarmusevich, Ya.S. Calculation of the current density distribution in the probe of an electron beam device 1-46841
- Gaikovich, K.P. Use of measurements of atmospheric thermal radiation to determine the refraction of radiowaves 1-37313
- Gaillard, P. see Bae, P. 1-30060

- Gaillard, P. *see* Cotillon, T. 1-38551
- Gaillard, J.P. *see* Bruel, M. 1-36558
- Gaillard, J.P. *see* Villepelet, B. 1-40504
- Gaind, A.K. *see* Chang, A.W. 1-28091
- Gainish, I.I., Teke, A.A. Memory sector selection unit for AI-4096-3M analyzer 1-27371
- Gaintsev, Yu.V. Tables for choosing the number of rotor slots in an induction motor 1-31239
- Gairola, A. *see* Weissmantel, H. 1-52439
- Gaiser, H., Bohne, D. Copper plating of small areas in large cavities 1-48369
- Gajda, J.J., Lindstrom, G.J., DeLorenzo, D.J. Interlevel insulation reliability evaluation [logic IC components] 1-45438
- Gajewska, M. *see* Sokolowski, M. 1-35967
- Gajewski, J. Electric field of 50 Hz in a typical 400 kV switchboard 1-53567
- Gajic, A. *see* Pejovic, S. 1-31080
- Gajski, D.D. *see* Bilgory, A. 1-46244
- Gakhramanov, N.F. *see* Aliev, A.O. 1-40433
- Gal, L.K., Ukrainets, N.I., Khizhnyak, N.A. Scattering of electromagnetic waves by a finite sized dielectric inset in a rectangular waveguide 1-37318
- Galakhov, V.A. *see* Aleksanyan, A.A. 1-42489
- Galakhov, V.N., Tsyvik, R.Sh. Analog squarer 1-36297
- Galali, I.A. *see* Nawara, G.M. 1-44543
- Galán, N. Aspects of the magnetic anisotropy influence on the magnetic materials characteristics 1-28834
- Galand, C. *see* Esteban, D. 1-37473, 1-37601
- Galand, C. *see* Menez, J. 1-41559
- Galand, D., Gonnet, R., Panuel, M., Parant, J.M. Computer aided system for medium voltage network control 1-48987
- Galani, Z., Lampen, J.L., Temple, S.J. Single-frequency analysis of radial and planar amplifier combiner circuits 1-36325
- Galarneau, P. *see* Bernard, D. 1-28781
- Galarneau, P. *see* Faubert, D. 1-40967
- Galashov, N.N., Girshfel'd, V.Ya., Konovalov, I.I. Formulation of multifactorial regression models of the dynamics of specific fuel consumptions in a power system and their use for analysis and prediction 1-49290
- Galassini, S. *see* Capozzi, V. 1-45966
- Galassini, S. *see* De Blasi, C. 1-33141
- Galati, G. *see* Cristofalo, E. 1-47723
- Galayda, J. *see* Batchelor, K. 1-43082
- Galayda, J.N. Edge focusing 1-43014
- Galayda, J.N., Blumberg, L.N., Heese, R.N., Hsieh, H.C.H. Beam optical properties of the NSLS dipoles 1-43032
- Galayda, J.N., Heese, R.N., Krinsky, S. Inhomogeneities in magnetic field due to variations of lamination gap heights 1-48330
- Galazka, R.R. *see* Dubowski, J.J. 1-40404
- Gal'chuk, L.I. Stable subspaces and a decomposition theorem for martingales 1-44931
- Gal'dikas, A. *see* Bareikis, V. 1-32623
- Galdos, J.I. A rate distortion theory lower bound on desired function filtering error 1-41637
- Gale, A. Substation sound levels: prediction, measurement and assessment 1-44177
- Gale, G.C. Op-amp oscillator 1-50447
- Gale, G.N. *see* St. Louis, J. 1-44715
- Gale, P.F. Electronics help record echoes of cable faults 1-30823
- Gale, P.F. The application of digital electronics to power cable fault location and testing 1-43715
- Gale, R.P., Fan, J.C.C., Tsaur, B.-Y., Turner, G.W., Davis, F.M. GaAs shallow-homojunction solar cells on Ge-coated Si substrates 1-49681
- Gale, R.P. *see* Tsaur, B.-Y. 1-27116
- Gale, R.P. *see* Tsaur, B.-Y. 1-39761
- Galeazzi, G., Pavan, P., Toniolo, D., Zago, G., Zannoni, R., Bressanini, G. Recoil-proton fast neutron counter telescope 1-43255
- Galeener, F.L., Mikkelsen, J.C., Jr. Raman studies of the thermal oxide of silicon 1-27959
- Galer, I.A.R. The man-machine interface: current developments in ergonomics 1-44666
- Galetskaya, A.D. *see* Vorob'ev, L.E. 1-36466
- Galetto, E. *see* Costelli, A.F. 1-38553
- Galey, B., Hsia, P. An assessment of a robotic sensing system 1-42613
- Galiakberov, D.Sh., Loskutnikov, A.I., Ovsyannikov, V.A. Choosing the passband of an optoelectronic system for a sinusoidal scanning law 1-36998
- Galiana, F.D., Banakar, M. Approximation formulae for dependent load flow variables 1-30617
- Galiana, F.D. *see* Banakar, M.H. 1-49054
- Galibin, A.A. *see* Shutski, V.I. 1-53572
- Galín, I. A new diplexer—realized in stripline 1-45621
- Galitskii, V.P. *see* Chernyshev, A.N. 1-44523
- Galkin, S.V., Migulin, A.V. The possibilities of atmospheric small components determination using DIAL technique 1-34713
- Galkin, V.S., Fedotov, A.V. Generator for supplying an inductive measuring device 1-38176
- Galkowski, K. The state-space realization of an n-dimensional transfer function 1-36037
- Gall, D. Voltage induced in cables inside closed metallic and epoxy carbon structures subjected to lightning-type current impulses 1-33373
- Gall, D. *see* Alliot, J.C. 1-33372
- Gall, D. *see* Laroche, P. 1-33374
- Gall, H. *see* Le Gall, H.
- Gallace, L.J. Reliability of plastic-packaged CMOS devices 1-46321
- Gallagher, J. Optics in the far infrared. III 1-46482
- Gallagher, J.E. Design considerations for radiometric calibration sources and spectroradiometers 1-52480
- Gallagher, J.J. *see* McMillan, R.W. 1-47725
- Gallagher, N.C., Jr. *see* Rines, K.D. 1-37225
- Gallagher, T.J., Kryder, M.H., Pugh, E.W., Sanders, I.L. Magnetic domain memory 1-28274
- Gallagher, W.J. Space charge expansion of single packets of charge 1-42815
- Gallagher, W.J. Energy gain in resonantly excited, slow-wave structures 1-48353
- Gallagher, W.J. Beam induced losses in the electron linac 1-48437
- Gallagher, W.J. *see* Farrell, S.R. 1-42818
- Gallagher, W.J. *see* Mayrogenes, G. 1-43085
- Gallais-Hamonne, F., Lafontaine, M., Guardo, R., Bertrand, M., Billette, J., Roberge, F.A. A microcomputer based stimulator for cardiac pacing and response analysis during endovascular investigations 1-52811
- Galland, C. Controlling to produce better 1-31516
- Gallant, M.I. *see* Vermeulen, L.A. 1-46626
- Gallanti, G. *see* Bramanti, A. 1-49432, 1-49464
- Gallardo, M. *see* Tocho, J.O. 1-51397
- Gallassi, G. *see* Buzzelli, S. 1-29350
- Gallenberger, H., Obst, J., Stasch, W. Disposal of the Niederachbach nuclear power station (KKN) 1-30869
- Gallenberger, H. *see* Watzel, G. 1-53204
- Gallet, G., Leboulleux, J., Bokshorn, Y., Cagnieux, S., Engeldinger, R., Gaudard, R. The circuit breaker with reduced maintenance 1-49632
- Gallet, G. *see* Urbain, J.P. 1-43759
- Galliano, J.F. *see* Menez, J. 1-41559
- Gallinaro, G. *see* Marinelli, M. 1-48586
- Gallo, A., La Cava, M., Fortuna, L. Linearized PWM: a new feedback control scheme for electrical drives [DC motors] 1-31525
- Gallo, A., Wilder, R.P. Performance measurement of data communications systems with emphasis on open system interconnections (OSI) 1-41998
- Gallo, J.C., Radcliffe, W.J. Dimensional measurement by microwave resonances 1-30245
- Galloway, D., Hartman, B., Wooten, D. 64-k dynamic RAM speeds well beyond the pack 1-27387
- Galloway, E. Remote sensing of the Earth by satellites: policies and issues 1-52931
- Gallyas, K., Endrenyi, J. Computing methods and devices for the reliability evaluation of large power systems 1-30620
- Gallyas, K., Endrenyi, J. Computing methods and devices for the reliability evaluation of large power systems 1-34762
- Galovich, C.S. *see* Dunham, J.S. 1-43168
- Gal'perin, L.N. *see* Mashkinov, L.B. 1-50601
- Gal'perin, M.V., Phakadze, O.Sh. Methods of inhibiting noise in analog measuring systems 1-52327
- Galstyan, V.G., Morozova, N.K., Kuznetsov, V.A., Shternberg, A.A., Muratova, V.I. Scanning electron microscope investigation of growth inhomogeneities of single crystals of hydrothermal sphalerite 1-32653
- Galuev, S.V., Mikheev, V.P., Rozov, B.S., Sav'el'ev, V.I. Limiting speeds of data recording in high-resolution laser systems 1-46815
- Galun, B.V. *see* Volynets, N.P. 1-27352
- Galun, S.A. *see* Trifonov, A.P. 1-42498
- Galushkin, S.S. *see* Terekhov, V.P. 1-34394
- Galushko, A.I., Et'emez, N.A. Serviceability of electric-insulation systems in a medium of water vapor 1-31166
- Galvan, J., Pallas, R. Right Leg Drive in ECG 1-30458
- Galwas, B., Bujas, A., Janowski, M., Piotrowski, J. Microwave synthesizer for 10.7-11.7 GHz band 1-45313
- Galwey, R.K., Kanazawa, K.K. Compensated negative resistance current follower 1-50412
- Galyaev, N.A. *see* Vasiliev, V.V. 1-48466
- Gamal, A. *see* El Gamal, A.
- Gambardella, G., Morasso, P. Prostheses and aids for disabled 1-34640
- Gambardella, G. *see* Braccini, C. 1-47217
- Gambe, H., Ikezawa, T., Uechi, W. Real time measuring method for CODEC characteristics using digital signal processing 1-48016
- Gambino, R.J., Moore, D.F., Scheel, H.J. Superconducting tunnel device with LPE grown barrier 1-46470
- Gamble, B.B., Keim, T.A. High power density superconducting generator 1-31215
- Gamble, J., Hemery, J.-Y., Kemp, D., Keyser, R., Koutchouk, J.-P., Martucci, P., Tausch, L., Vos, L. Towards full automation of accelerators through computer control 1-48317
- Gamble, J.N. *see* Fischer, C. 1-42808
- Gamble, R.C. Application of mirrors for focusing X-rays 1-34534
- Gamble, R.C. EXAFS spectroscopy using a flat crystal and linear detector 1-34536
- Gambling, W.A. Review of monomode fiber properties 1-36902
- Gambling, W.A., Hartog, A.H., Ragdale, C.M. Optical fibre transmission lines 1-47685
- Gambon, G. *see* Sauré, J.M. 1-32925
- Gamburyan, K.A., Minasyan, S.E. An approximation of the characteristics of the asynchronous moment of a synchronous motor 1-49428
- Gamerith, W. On optimization on a fuzzy environment 1-44952
- Games, R.A. *see* Chan, A.H. 1-33564
- Gamm, A.Z. On synthesis of the data collection systems for estimation of the electric power systems 1-30684
- Gamm, A.Z., Krumm, L.A., Murashko, N.A. The present state and further development of methods of control of electrical energy systems 1-30645
- Gammage, N., Williams, B. SOS: director of operations in the DMS switch [electronic switching systems] 1-42077
- Gammel, G., Bradowski, J., Keane, J., Maschke, A., Meier, E., Mobley, R., Sanders, R. MEQUALAC development at Brookhaven 1-48426
- Gammel, G.M., Maschke, A.W., Mobley, R.M. New high-brightness multiple beam linear accelerator 1-48308
- Gammel, G.M. *see* Mobley, R.M. 1-42779
- Gammel, J.C., Metz, G.M., Ballantyne, J.M. A photoconductive detector for high-speed fiber communication 1-42235
- Gammell, P.M. Improved ultrasonic detection using the analytic signal magnitude 1-33653
- Gammell, P.M. *see* Rooney, J.A. 1-52762
- Gammon, K.M. The local impacts of nuclear stations 1-38865
- Gamo, K., Arimoto, K., Namba, S. New type of Nb microbridges 1-40862
- Gamo, K. *see* Oraby, A.H. 1-32697
- Gamou, Y. *see* Nagayama, Y. 1-36225
- Gan, J.N. *see* Perloff, D.S. 1-27935
- Gan Runjin *see* Chen Guanghua 1-27837
- Ganapathy, V. *see* Eswaran, C. 1-40112
- Ganapetyan, M.A. Three-channel device for accurate magnetic registration of infralow-frequency analog signals 1-30397
- Gancedo, J. *see* de Loof, E. 1-30179, 1-34237, 1-42529
- Ganchev, S.I. *see* Tsankov, M.A. 1-42727
- Gancho, G.N. *see* Motkus, E.B. 1-37015
- Gandel, M.G. Life cycle test of air force nickel-hydrogen flight experiment battery 1-31433
- Gander, W. Least squares with a quadratic constraint 1-32015
- Gandert, H.J. Super-excitation systems for large generators and their contribution to network stability 1-35125
- Ganderton, D. In control [model radio control] 1-38011
- Ganderton, D., Fell, J.M. 'Exe' microwave transceiver 1-47561
- Gandhi, O.P. *see* Hagmann, M.J. 1-48693
- Gandhi, O.P. *see* Schow, F.L. 1-37206, 1-51524
- Gandhi, S.N., Soni, S.S. Considerations in the design of arc control pots and operating levers for 11kV Oil Circuit Breaker 1-53569
- Gandillon, C., Boss, P. Use of silicon fluids instead of Askarel in distribution transformers 1-31271
- Ganeev, R.A., Gulamov, A.A., Ibragimov, E., Redkorechev, V.I., Usmanov, T. Efficient second- and third-harmonic generation in hyper-Gaussian laser beams 1-41147
- Ganesan, A. *see* Fleischer, P.E. 1-45499
- Ganesan, A. *see* Laker, K.R. 1-50554
- Gangadharan, P. *see* Sankaran, A. 1-34644
- Ganger, B. Fluid breakdown 1-40732
- Ganger, B., Vigreux, J. May the GIS SF<sub>6</sub> insulation be considered as self-restoring? 1-49608
- Ganghi, S.N., Antani, K.A., Mangrulkar, M.M. Some considerations of working conditions in the selection of high temperature insulating materials 1-51051
- Gangrskii, Yu.P., Mikhailov, L.V. Apparatus for collecting and transporting nuclear reaction products by means of a laminar gas flow 1-52704
- Gangrskii, Yu.P., Miller, M.B., Utenkov, V.K. Detection of fission fragments with thin-film, solid-state capacitors 1-30356
- Gangulee, A. *see* Ahn, K.Y. 1-28233
- Ganguli, N.R., Datta, A.K. Terminal frequencies of CV combinations in multisyllabic words 1-33568
- Ganichev, V.A., Gordeev, E.M., Zaidel', I.N., Kuksov, P.V., Fanchenko, S.D., Shuvalov, L.F. Nanosecond electron-optical camera for investigating relativistic electron beams 1-38418
- Ganim, M. Print hammer flight time temperature-compensation circuit 1-32364
- Gannon, J. *see* Martin, M. 1-42823
- Gannon, J.C. *see* Zagel, J.R. 1-42800
- Gannon, J.T., Jr. T1D test equipment 1-30062
- Gans, D.J. Use of a preliminary test in comparing two sample means 1-35787

- Gans, M.J. *see* Amitay, N. 1-52097
- Ganschow, O. *see* Nitz, H.M. 1-32644
- Ganschow, O. *see* Tumpner, J. 1-38394
- Gantar, J. *see* Hudnik, D. 1-38946
- Gantcheva, T.S. *see* Yanachkova, I.M. 1-27188
- Ganyushkin, V.V. Mechanization and automation of quality inspection in the electric industry 1-44725
- Ganz, A. Electrical switching of high-voltage motors 1-35306
- Ganz, A., Jakob, R. How are high voltage motors protected? 1-44025
- Ganz, G.L. *see* Taylor, L.L. 1-49015
- Ganzer, E., Knesewitsch, J., Ziegler, A. Power supplies for long-range communication equipment 1-39919
- Gao Guangbo Study of the process of producing stable hot spots in bipolar power transistors 1-32797
- Gao Ji-huan, Zhu Xi-kai The exoelectron emission effect and its applications 1-32549
- Gao Long, Xiong Guang-leng, Liang De-quan Application of a state observer in speed control system 1-39003
- Gao Pei-juan, Nie Cao-jiang, Yang Tian-long, Su Hai-zheng Stimulated Raman scattering up to 10 orders in an optical fiber 1-33269
- Gao Pei-juan *see* Yang Tian-long 1-28437
- Gao Qi-Yuan *see* Wang Zi-Jiang 1-51506
- Gao Xiao-Jie *see* Zhang Ri-rong 1-51670
- Gao Zhang-shou *see* Jiang Min-hua 1-39744
- Gapchinskii, E.S. *see* Klepikov, V.B. 1-31550
- Gaponov, S.V., Paramonov, L.V., Salashchenko, N.N., Khanin, Ya.I. Nonlinear optical effects responsible for giant pulses emitted by a neodymium laser with an organic liquid inside its resonator 1-37216
- Gaponov-Grekhov, A.V., Glagolev, V.M., Trakhtengerts, V.Yu. Maser based on cyclotron resonance with a background plasma 1-46659
- Gara, A.D. Automatic microcircuit and wafer inspection 1-50025
- Garas, E. *see* Abo El-Soud, S. 1-34659
- Garashchenko, V.I. *see* Sandulyak, A.V. 1-35039
- Garaudee, B. An extrema searching controller for mixture strength optimization on an internal combustion engine 1-35917
- Garaudee, B. *see* Garrigues, M. 1-31581
- Garault, Y. *see* Aubourg, M. 1-47002
- Garault, Y. *see* Guillon, P. 1-27610, 1-40222, 1-45615, 1-45617
- Garavaglia, M. *see* Bolognini, N. 1-46803
- Garavaglia, M. *see* Tocho, J.O. 1-51397
- Garber, F.D., Pursley, M.B. Performance of offset quadriphase spread-spectrum multiple-access communications 1-29045
- Garber, M. *see* Sampson, W.B. 1-43108
- Garber, Z.A. Device for alarm signals 1-49969
- Garbuzov, D.Z. Quantum efficiency and radiative lifetimes in GaAs and AlGaAs 1-50787
- Garcia, A. *see* Fernandes, J. 1-44951
- Garcia, A.Serna *see* Serna Garcia, A.
- Garcia, E., Bennett, M., Gueret, P., Zwehl, W., Meerbaum, S., Swan, H.J.C., Corday, E. A computer system for acquisition in real time, processing and display of two-dimensional echocardiographic images 1-52771
- Garcia, E. *see* Llabres, J. 1-35366
- Garcia, H.R. *see* Spinhrine, J.M. 1-28739
- Garcia, J.E. *see* Cassada, T.E. 1-29387
- Garcia, J.L. *see* Garcia Calderon, M.A. 1-28927
- Garcia, J.L. *see* Prieto, A. 1-36316
- Garcia, R. Scientific methods for planning at data networks with packet switching 1-47420
- Garcia, S.Martinez *see* Martinez Garcia, S.
- Garcia Calderon, M.A., Garcia, J.L. Parametric instabilities in a magnetoactive plasma produced by a discharge of electromagnetic waves 1-28927
- Garcia-Gomez, R. *see* Bertran-Salvans, M. 1-32357
- Garcia-Torano, E., Acena, M.L. NOLIN: non-linear analysis of complex alpha spectra 1-48596
- Gardam, C.M. *see* Douglas, D.H. 1-49536
- Gardette, B. *see* Jossinet, J. 1-43344
- Gardiner, A.I. A microprocessor application for industry 1-43489
- Gardioli, F. Evaluate design accuracy of cascaded lines 1-32328
- Gardioli, F.E. *see* Mosig, J.R. 1-41334
- Gardner, C.G. *see* Zaman, A.J.M. 1-41190
- Gardner, C.S., Shelton, J.D. Spatial and temporal filtering technique for processing lidar photo-count data 1-29174
- Gardner, C.S. *see* Peterson, G.D. 1-33970
- Gardner, C.S. *see* Ransom, P.L. 1-42566
- Gardner, D.S. *see* Bartolac, T.J. 1-28408
- Gardner, G.E., Jervis, W.B. Asynchronous coupling between tidal energy source and network 1-53305
- Gardner, G.E. *see* Franklin, P.J. 1-53334
- Gardner, H.J. *see* Broom, W.E. 1-30081
- Gardner, L.D. *see* Saylor, T.K. 1-38372
- Gardner, P.A. Transformer-coupled high-frequency pulse amplifier 1-27303
- Gardner, R.J. *see* Martin, D.H. 1-39623
- Gardner, R.L. Effect of the propagation path on lightning-induced transient fields 1-41242
- Gardner, W.A. Two-stage adaptive noise cancellation for slowly fluctuating signals 1-29180
- Gardner, W.A. A stable two-stage recursive-like adaptive noise canceller 1-29181
- Gardner, W.A. A soft-constrained recursive-like adaptive noise canceller 1-29182
- Gardner, W.A. Design of nearest prototype signal classifiers 1-41459
- Gardner, W.A. Cascade configurations for recursive-like adaptive noise cancellation 1-41683
- Gardner, W.A. Three-stage adaptive noise cancellation for arbitrary signals using a source-embedded pilot signal method 1-41684
- Gardner, W.A. Three-stage adaptive noise cancellation for arbitrary signals using a source-embedded pilot signal method 2 1-41685
- Gardner, W.A., Hajivandi, M. Analysis of performance of the LMS algorithm for adaptive estimation in a nonstationary environment 1-37397
- Gardner, W.A. *see* Agee, B.G. 1-33660
- Gardner, W.A. *see* Kazakoff, J. 1-33665
- Garel-Jones, P.M. *see* Kapron, F.P. 1-29767, 1-40936
- Gareyte, J. The CERN p-p̄ complex 1-42868
- Gareyte, J. *see* Boussard, D. 1-48497
- Gareyte, J. *see* Seeman, J. 1-43023
- Garg, J.C., Jain, S.K., Jain, B.C. Electrical resistivity of Te-Se alloy thin films 1-36493
- Garger, K.S. *see* Klimenko, V.V. 1-28559
- Gargiuli, R., Mirandola, P., Mirra, C., Arrigoni, A., Molinari, G., Regis, A. ENEL approach to computer supervisory remote control of electric power distribution networks 1-49089
- Gargour, C.S. *see* Murthy, K.V.V. 1-26975
- Garibotto, G. A new stability test for 2-D digital filters 1-29148
- Garibotto, G., Garozzo, S., Micca, G. Some techniques for X-ray digital processing 1-52761
- Garibotto, G., Micca, G. Image processing through a two-component model 1-47218
- Garibyan, O.V., Kompanets, I.N., Parfyonov, A.V., Pilipetsky, N.F., Shkunov, V.V., Sudarkin, A.N., Sukhov, A.V., Tabiryan, N.V., Vasiliev, A.A., Zel'dovich, B.Ya. Optical phase conjugation by microwatt power of reference waves via liquid crystal light valve 1-46589
- Garifulina, G.L., Matveeva, G.D., Mikhailova, V.N., Tsarkov, V.M. Lighting the multifunctional sports arenas in Moscow 1-35505
- Garlick, G.F.J., Kachare, A.H. Experimental and theoretical investigations of the quality factor for N<sup>+</sup>P silicon solar cells 1-35374
- Garman, A.A. *see* Schneider, W.C. 1-42206
- Garmire, E. *see* Marhic, M.E. 1-37055
- Garnache, R.R., Bordonaro, D.T. Self-aligned conductor passivation 1-32763
- Garner, C.M., Sexton, F.W., Nasby, R.D. High efficiency silicon cells for luminescent solar concentrators 1-53639
- Garner, L.E. *see* Jonas, A.W. 1-35651
- Garner, P.J. Co-channel and quasi-synchronous characteristics of SSB 1-52068
- Garnett, C.H. PPM - putting quality assurance principles into practice 1-39421
- Garnier, J.E. *see* Rupaal, A.S. 1-46345
- Garofano, T. *see* Casalini, G. 1-45962
- Garola, C., Solombrino, L. Commutation in vector spaces over division rings with a conjugation 1-39590
- Garozzo, S. *see* Garibotto, G. 1-52761
- Garratt, P. Connecting a computer to a packet-switched network by means of a finite-state automaton 1-41950
- Garratt, P.W. Connecting a computer to a packet-switched network by means of a finite state automaton 1-47401
- Garreau, M. *see* Epelboin, I. 1-44345
- Garren, A., Krafft, G., Haber, I. Focusing of heavy ion beams on a fusion target 1-42996
- Garren, A. *see* Noda, A. 1-43038
- Garren, A.A. Choice of bunch parameters in single pass colliders 1-48512
- Garrett, I. Receivers for optical fibre communications 1-47689
- Garrido, J., Castano, J.L., Piqueras, J. Photoluminescence in gallium arsenide irradiated with thermal neutrons 1-41002
- Garrido, M.S. Special effects on rectified output AC generators 1-53390
- Garrigues, M., Garaudee, B., Urgell, J.J. An extrema searching controller for mixture strength optimization on an internal combustion engine 1-31581
- Garrigues, M., Hellouin, Y. Emission probability of hot electrons for highly doped silicon-on-sapphire IGFET 1-46142
- Garrigus, K.A. *see* Ross, M.J. 1-51979
- Garrison, J.C., Wong, J. Correction to the adiabatic approximation for variable parameter free-electron lasers 1-51312
- Garrote, M.C. *see* Melo, J.C. 1-29248
- Garscadden, A. *see* Olson, R.A. 1-46692
- Garside, B.K. *see* Efthimiopoulos, T. 1-41063
- Garside, B.K. *see* Godfrey, L.A. 1-52486
- Garside, B.K. *see* Znotins, T.A. 1-46697, 1-51330
- Garside, R. Intrinsic safety. I. Basic explanation and a simplified view of standards and certification 1-39354
- Garside, R. Intrinsic safety. II. Practical aspects of the concept of intrinsic safety 1-49965
- Garslian, R. *see* Brassart, G. 1-28527
- Garson, A., Jr. *see* Gillette, P.C. 1-52796
- Garszka, D. Busbar systems for electrical power distribution to large scale users and machinery 1-30722
- Garte, S.M. *see* Tripp, J.H. 1-32465
- Gartner, E., Herfen, O., Feihl, J. Hydrodynamic reversing gear—a prerequisite to a new generation of shunting-diesel locomotives 1-44427
- Gartner, G. *see* Termuehlen, H. 1-43925, 1-49292
- Gartner, H.M. *see* Flederbach, D. 1-50881
- Gartner, R. A circuit for producing steep current pulses 1-34303
- Garud, A.N. *see* Ushakumari, M. 1-48131
- Garud, G.N. *see* Jain, L.C. 1-40049
- Garvanska, D. Polarization holography applied to detection of shape deviations of metal surfaces 1-41160
- Garver, L.L. *see* van Horne, P.R. 1-34805, 1-43613
- Garver, W.P. Technique for measurement of fast exponentially-decaying signals 1-42576
- Garvey, G.T. *see* Gagliardi, C.A. 1-43167
- Garvey, J. *see* Owen, C.W. 1-48346
- Garvey, M.D. *see* Cohen, K. 1-37781
- Gary, J. The multigrid iteration applied to the collocation method 1-35913
- Garyaev, S.N., Kravtsov, V.N., Chemes, E.A. Radio-engineering thermostat for objects with a large heat capacity 1-44480
- Gasanov, I.A. *see* Abdullaev, G.B. 1-32723
- Gasanov, N.E. *see* Guseinov, Dzh.T. 1-33103
- Gascoigne, A.E. The interfacing of rotating machines and solid-state power supplies 1-44110
- Gasiev, A.G., Golubev, A.A., Gurashvili, V.A., Izyumov, S.V. Spectral broadening of Q-switched CO laser generation 1-37076
- Gasiorski, A.K., Krukowski, W.C. Skin effect in cylindrical active and passive conductors of a squirrel-cage motor 1-44108
- Gasiot, J. *see* Vanderschueren, J. 1-32100
- Gaske, T.P. *see* Salamoff, S.B. 1-47639
- Gaskill, J.R., Jr., Kamensky, A., Rosengard, M.H., Tilley, B.J. Kovar large area hybrid module 1-45840
- Gasparini, C. *see* Caruso, E. 1-38342
- Gasparovic, N. The influence of the gas turbine parameter on the emission of nitric oxides 1-31053
- Gassanov, L.G., Koshevaya, S.V., Omel'yanenko, M.Yu. On frequency multiplication in paraelectrics 1-46343
- Gassauer, H. Possibilities of measurement and equipment of the EER-dynamometer car 1-29973
- Gast, T., Robens, E. QA and R and D problems attacked through new weighing techniques 1-52591
- Gastaud, G., Pacheu, Y. Characteristics of optical fibres: measurement with a digital oscilloscope linked to a mini-computer 1-28483
- Gastineau-Hills, H.M. Systems of orthogonal designs and quasi-Clifford algebras 1-50070
- Gaston, S.J. RCA Satcom F1 and F2 Ni-Cd battery orbital replacement 1-31422
- Gasymov, T.M., Babaev, M.M. Thermal conductivity of hot carriers and its changing in a magnetic field in semiconductors 1-32597
- Gat, A. Heat-pulse annealing of arsenic-implanted silicon with a CW arc lamp 1-32737
- Gatefait, J.P., Surléau, P., Konrat, J.L. Execution mechanisms for administration programs in the E1.S system 1-42115
- Gater, J. Field recording methods for multi-variate data 1-34223
- Gatfield, A.G. Satellite links in the integrated services digital network 1-47627
- Gatiatullina, T.Yu. *see* Ivanov, A.I. 1-45296
- Gatos, H.C. *see* Becla, P. 1-50284
- Gatos, H.C. *see* Jastrzebski, L. 1-32062
- Gatos, H.C. *see* Lagowski, J. 1-50830
- Gatos, H.C. *see* Parsey, J.M. 1-35933
- Gatos, H.C. *see* Rava, P. 1-32602
- Gatos, H.C. *see* Siejka, J. 1-32757
- Gatrell, M., Youmans, D.M., Young, J.E.R. Shear control for scrolling displays 1-42697
- Gatsenko, L.S. *see* Aleksandrov, A.A. 1-30319
- Gattef, E. *see* Dimitriev, Y. 1-40531
- Gatti, E., Padovini, G. Biomedical signals processing 1-34619
- Gatti, E. *see* Cerutti, S. 1-43351
- Gattis, T.A. *see* Olmstead, O.K. 1-38556
- Gatto, M.A., Seery, J.B. Numerical evaluation of the modified Bessel functions I and K 1-39497
- Gatts, T.F., Jr., Sherer, P.W. Computer aided design using symbolic analysis 1-50367
- Gatzlaff, G.R. Fundamental considerations in designing electrical power control systems for boosting and melting of glass 1-39263

- Gau, S., Weinberger, B.R., Akhtar, M., Kiss, Z., MacDiarmid, A.G. Preparation of amorphous silicon films by CVD of higher order silanes  $\text{Si}_n\text{H}_{2n+2}$  for  $n \geq 2$  1-45110
- Gau, S.C. *see* Weinberger, B.R. 1-33135
- Gaubas, E. *see* Baltrameyunas, R. 1-32650
- Gaudard, R. *see* Gallet, G. 1-49632
- Gaudenzi, G.J., Johnson, R.E., Knepper, L.E., Parker, C.P. Low-end memory interface driver circuit 1-36189
- Gaudenzi, G.J., Reedy, D.C. Inverted input push-pull driver 1-36188
- Gaudet, E.F. *see* Hseuh, H.C. 1-42831
- Gaugash, P., Milnes, A.G. Minority carrier diffusion length EBIC measurements in cadmium telluride 1-36477
- Gaugash, P., Milnes, A.G. Etching of cadmium telluride 1-36569
- Gaujia, E. *see* Green, M.A. 1-44378
- Gaule, G.K. *see* Vezzoli, G.C. 1-36489
- Gaulon, J. *see* Kissel, R. 1-53778
- Gaume, F. *see* Gros, A. 1-32106
- Gaunaud, G., Oberall, H. Resonances of dielectrically coated conducting spheres and the inverse scattering problem 1-29784
- Gaunaud, G.C., Oberall, H. Solution of the inverse electromagnetic scattering problem in the resonance case 1-41209
- Gauneau, M. *see* Favennec, P.N. 1-32750
- Gaunt, D. *see* Owens, J. 1-39347
- Gaunt, D.R. Standards and certification in Europe 1-44648
- Gaupp, A., Madey, J.M.J. A free electron laser for the Berlin storage ring BESSY? 1-38346
- Gaur, S.P. *see* Anantha, N.G. 1-27997
- Gaus, R.C. *see* Wilson, S.G. 1-29092
- Gauthier, M., Bellemare, R., Belanger, A. Progress in the development of solid-state sulfate detectors for sulfur oxides 1-30087
- Gauthier, M. *see* Belanger, A. 1-44339
- Gauthier, R.A. Surface temperature measurement 1-42762
- Gautier, H., Maerfeld, C. Wideband elastic convolvers 1-36750
- Gautier, H., Tournois, P. Very fast signal processors as a result of the coupling of surface acoustic wave and digital technologies 1-37486
- Gautier, J. *see* Kobierska, E. 1-42765
- Gautron, J., Marucco, J.F., Lemasson, P. Reduction and doping of semiconducting rutile ( $\text{TiO}_2$ ) 1-50806
- Gavaler, J. *see* Fredricksen, H.P. 1-28309
- Gavaler, J.R. High- $T_c$  superconducting films 1-51102
- Gavaleshko, N.P., Gorlei, P.N., Tarasyuk, I.I., Shenderovskii, V.A. Influence of dislocations on the Nernst-Ettingshausen effects in tellurium 1-32626
- Gavanin, V.A., Musatov, A.L., Turchinskiy, V.M. A study of the composition of the surface of GaInAs photocathodes by the method of Auger spectroscopy 1-45854
- Gavanin, V.A. *see* Bragin, N.V. 1-45853
- Gaveau, B. Estimation of singular Kac's functionals and singular nonMarkovian functionals 1-39492
- Gaver, D.P., Jacobs, P.A. Storage problems when demand is 'all or nothing' 1-33705
- Gavin, B., Abbott, S., MacGill, R., Sorensen, R., Staples, J., Thatcher, R. A high current pulsed ion source for metallic ions 1-43184
- Gavotti, N.L. *see* Dalle Molle, D. 1-53464
- Gavrilenko, I. *see* Deutschmann, M. 1-34480
- Gavrilenko, I. *see* Fabjan, C.W. 1-48585
- Gavrilenko, I. *see* Ludlam, T. 1-34481
- Gavrilenko, I.F., Artemkin, V.P., Aver'yanov, G.A. Synthesis of a selector of nanosecond pulses 1-40005
- Gavrilin, V.V., Grigulis, Yu.K., Porin'sh, V.M. A unit for inspecting the production process of thin-layer semiconductor and metallic structures 1-38242
- Gavrilko, S.A. *see* Chemeris, V.T. 1-31264
- Gavrilov, A.A. Fault localization in random-access memories 1-32245
- Gavrilov, B.M. *see* Vartanov, V.S. 1-52746
- Gavrilov, E.I. *see* Zhidovich, O.V. 1-53272
- Gavrilov, F.F. *see* Skorniyakov, L.G. 1-32648
- Gavrilov, F.V. *see* Bokov, S.S. 1-52586
- Gavrilov, L.Ye. Peculiarities in the avalanche multiplication of the current in germanium transistor structures 1-28001
- Gavrilov, T. *see* Popovic, B.D. 1-41433
- Gavrilova, I.P. *see* Koltun, M.M. 1-49666
- Gavrilova, N.D. *see* Novik, V.K. 1-51074
- Gavrilova, N.I. *see* Venger, A.Z. 1-40235
- Gavrilova, Yu.E., Zrodnikov, V.S., Klementov, A.D., Podsoznyy, A.S. Excimer HgI\* laser excited by an electric discharge 1-37086
- Gavrilovic, A., Heath, A.J., Williams, W.P. Reduction of flicker by alternative types of static compensator 1-49806
- Gavriluyuk, A.V., Tauber, V.V., Kazakov, V.G. Production of stable, planar, micron-size magnetic domains 1-28228
- Gavriish, A.I. Spectra of electrical analogues for simple geometric figures in nonlinear scanning 1-33608
- Gavrov, E.V., Bykovskii, O.G., Zhorzh, V.V., Zaks, I.A. A composite wire for the mechanised welding of high-strength bronze of type ANMtsZh 1-31720
- Gaw, C.A., Kannewurf, C.R. Infrared photoconductivity of indium (1-x) thallium (x) telluride 1-37001
- Gaw, C.A., Reynolds, C.L., Jr. Transmission cathodoluminescence as a screening technique for rake lines in (Al, Ga)As DH laser material 1-33228
- Gawande, H. Unterweser Nuclear Power Station—design, construction and commissioning 1-30877
- Gawecki, L., Bialy, A. Electromagnetic field of moving conductive objects 1-28847
- Gawlinski, E.T., Stanley, H.E. Continuum percolation in two dimensions: Monte Carlo tests of scaling and universality for non-interacting discs 1-44866
- Gawor, P. Stray currents in underground mines 1-30797
- Gay, C.F. *see* Bube, K.R. 1-49673
- Gay, D.M. *see* Dennis, J.E., Jr. 1-50244
- Gayduk, V.I., Tseytlin, B.M. The relationship of the internal molecular energy of a polar medium to the microwave field and complex dielectric constant 1-33329
- Gayduk, V.I., Tseytlin, B.M., Matveyev, R.F., Makarov, V.N. Theory of amplification of microwave signals with arbitrary frequencies in microwave devices with extended electron beams 1-32399
- Gayley, R.I. Comparison of the microscopic theory and the RSJ model of Josephson tunneling for calculating the amount of flux entry into a single-junction SQUID 1-28336
- Gayley, R.I. Josephson tunnel junction time-dependence calculations based on the Bardeen-Cooper-Schrieffer theory 1-40856
- Gaylord, E.F. *see* Gaylord, T.K. 1-52495
- Gaylord, T.K., Guest, C.C., Gaylord, E.F. The open channel: seven-segment representation of full ASCII and EBCDIC character sets 1-52495
- Gaylord, T.K. *see* Weaver, J.E. 1-41167
- Gayon, F. *see* Hause, L.L. 1-34623
- Gayther, D.B. *see* Glover, K.M. 1-38383
- Gazard, M., Duchesne, C., Dubois, J.C., Chapiro, A. Lithographic technique using radiation-induced grafting of acrylic acid into poly(methyl methacrylate) films 1-32747
- Gazdaika, B.P., Lunik, T.N., Rudenko, V.V., Svenson, A.N., Tyannaya, V.T. Collaboration between an automatic device and a human operator in an acquisition situation 1-30554
- Gazit, Y., Johnson, H.C. A continuously variable Ku-band phase/amplitude control module 1-45630
- G.C.O'Leary *see* O'Leary G.C.
- Gdula, R.A. *see* Av-Ron, M. 1-40466
- Ge Huang *see* Sun Yuping 1-32729
- Gear, P.E., Sidlow, R. A direct extraction  $\text{H}^-$  ion source 1-38400
- Gearhart, L., Dresel, D.L. The design and implementation of a canned scenario function for the F-16 Dynamic System Simulator 1-52852
- Gebbie, H.A., Llewellyn-Jones, D. Uses of untuned resonators at near millimetre wavelengths 1-48219
- Gebel, R., Paulus, I., Huhse, P., Welly, J.-D. Physics-based development tests for vacuum interrupters 1-35282
- Gebhart, F.L. *see* Peters, J.W. 1-46082
- Gebler, H., Muller, H. Simplification of transportation networks for fast maximal flow calculations 1-34819
- Geckeler, S. The phase-space diagram, a versatile aid for describing the light propagation in optical fibers 1-36887
- Gecsei, J. *see* Tompa, F.W. 1-51940
- Gee, W. *see* Chadwick, G.G. 1-51708
- Geeraert *see* Aylott 1-49822
- Gegenwarth, R.E., Hammer, R., Proto, G.R. Edge-mounted MLC packaging scheme 1-50018
- Gehner, K.R. Software in manufacturing 1-35643
- Geier, G.J. *see* Copps, E.M. 1-52168
- Geiger, J. *see* Essig, M. 1-40342
- Geiger, R.L., Budak, A. Design of active filters independent of first- and second-order operational amplifier time constant effects 1-45468
- Geiger, R.L., Sanchez-Sinencio, E. Operational amplifier gain-bandwidth product effects on the performance of switched-capacitor networks 1-45498
- Geiler, H.-D. *see* Dvurechenskii, A.V. 1-27930
- Geis, M.W., Antoniadis, D.A., Silversmith, D.J., Mountain, R.W., Smith, H.I. Silicon graphoeptaxy 1-45087
- Geis, M.W., Antoniadis, D.A., Silversmith, D.J., Mountain, R.W., Smith, H.I. Silicon graphoeptaxy 1-45092
- Geis, M.W. *see* Fan, J.C.H. 1-27113
- Geis, M.W. *see* Tsaor, B.-Y. 1-39761, 1-50867
- Geise, P., George, E., Freese, F., Brown, R., Ruwe, V. A laser scanner for PC board inspection 1-26902
- Geise, P., George, E., Freese, F., Brown, R., Ruwe, V. Laser scanner for automatic inspection of printed wiring boards 1-27694
- Geise, P. *see* Freese, F. 1-30014
- Geisler, K.I., Reitan, D.K. Conversion of transient stability problems to equivalent systems employing an infinite bus 1-38672
- Geisler, M.J. *see* Hower, P.L. 1-50937
- Geisman, J. Multi-function message terminals and distributed communication systems 1-47311
- Geiss, P.J., Larsen, R.A., Morton, W.O. Electrical defect test for silicon and aluminum metal oxide semiconductor process 1-46304
- Geisser, S. Sample reuse procedures for prediction of the unobserved portion of a partially observed vector 1-35752
- Geist, J., Liang, E., Schaefer, R. Complete collection of minority carriers from the inversion layer in induced junction diodes 1-51276
- Geist, J., Lowney, J.R. Effect of band-gap narrowing on the built-in electric field in n-type silicon 1-36460
- Geist, V. *see* Johnston, R.H. 1-30025
- Gela, G. *see* Salama, M.M.A. 1-44167
- Gelato, G., Koziol, H., Le Gras, M., Williams, D.J. The closed orbit observation system of the CERN antiproton accumulator 1-42919
- Gelato, G. *see* Carter, C. 1-42940
- Gelato, G. *see* Delahaye, J.P. 1-48458
- Gelder, A.L.A. *see* van Gelder, A.L.A.
- Gelder, I.A. *see* van Gelder, I.A.
- Gelders, A.H. *see* Huang, C.H. 1-37559
- Geldner, E. Electrical, thermal and load characteristics of rotating-anode X-ray tubes 1-43269
- Gelenbe, E. *see* Boguslavskii, L.B. 1-29414
- Gelens, H.J.H. Network architecture and data networks 1-41964
- Gelezevicius, V. *see* Lung, C. 1-53482
- Gel'fer, E.I. *see* Brusin, I.Ya. 1-37961
- Gelin, P., Toutain, S., Kennis, P., Citerne, J. Scattering of the  $\text{TE}_{01}$  and  $\text{TM}_{01}$  modes on transverse discontinuities in a rod dielectric waveguide—application to the rod dielectric resonators 1-37341
- Gelke, K., Fleissner, H., Muller, H. The Grundig dialling automat Teleboy GAT 48 1-42007
- Geller, A.L., Ponomarenko, V.P., Shvartsar, A.Ya., Stoiko, V.P., Stroganova, G.V. Electrodes for the electroslog surfacing of manganese steels 1-44529
- Geller, D. *see* Alonso, J.R. 1-48748
- Geller, H. Progress and problems in the 1980s [telecommunication information industry] 1-33723
- Geller, M.M., Glushakov, E.M. Analysis of tree diversion algorithms with the aid of wandering nets 1-50235
- Geller, R., Jacquot, B. MINIMAFIOS—new ion source delivering strongly multicharged ion beams 1-38390
- Geller, R., Jacquot, C., Ludwig, P., Sermet, P., Gustavson, H.G., Pauli, R., Rocco, J.C. Low-energy  $\text{D}^+$  beam transport for the production of  $\text{D}^-$  by double electron capture 1-38395
- Geller, R. *see* Aubert, J. 1-38397
- Geller, R. *see* Dousson, S. 1-38403
- Gellings, C.W., Taylor, R.W. Electric load curve synthesis—a computer simulation of an electric utility load shape 1-34777
- Gellon, H., de Rosa, J.M. Sequential control of variable time 1-32240
- Gelly, F., Maerfeld, C. A fast electronically scanned two dimensional array for acoustic imaging 1-43468
- Gel'man, M.V. On application of the power factor concept to the consumption of energy from a DC mains 1-48975
- Gel'man, M.Z., Murovich, V.I. Calculating the puncture voltage of solid insulation a non-uniform field with set probability of breakdown 1-46344
- Gel'ner, V.V. *see* Belyavskiy, Ye.D. 1-40353
- Gels, R.G., Cooke, G.M. Distribution of electron avalanches in  $\text{SF}_6$  1-36714
- Gelsthorpe, R.V., Aylward, M.J. A waveguide slot array for use at millimetric frequencies 1-41417
- Gelsthorpe, R.V., Swansborough, R.H. Solar power satellites—aspects of dynamic control associated with the grid interface 1-53323
- Gelsthorpe, R.V. *see* Birand, M.T. 1-51727
- Gel'tman, A.E., Tarasyuk, A.F. Steam parameter optimisation of a nuclear power station with channel graphite-water reactors under conditions of a higher cost of replaced electric power 1-38854
- Geltman, E.M. *see* Dieter Ambos, H. 1-48731
- Gemmeke, H. *see* Netter, P. 1-48590
- Genant, H.K. *see* Gould, R.G. 1-30425
- Gendreau, G. *see* Chabert, A. 1-42902
- Gendrin, R. *see* Fargetton, H. 1-33657
- Gendron, F. *see* Clerjard, B. 1-33124
- Genel, P.A. Mathematics circuits and processes: some powerful auxiliary processing aids. I. Use of Am 9511A and Am 9512 ALUs 1-50492
- Genens, L. *see* Wang, S.-T. 1-28377
- Generalova, V.V. *see* Aleikin, V.V. 1-48670
- Genge, M. *see* Hornstra, F. 1-31438

- Genin, R. Comments on 'Digitally programmable gain amplifiers with arbitrary range of integer values' 1-32206
- Genin, Y. *see* Delosme, J.-M. 1-32023
- Genin, Y. *see* Delsarte, P. 1-36036
- Genin, Y. *see* Delsarte, Ph. 1-50383
- Genkin, S.A., Korolev, Yu.D., Rabotkin, V.G. Investigation of an XeCl laser pumped by a discharge with ionization multiplication and initiated by a beam of fast electrons 1-51379
- Gennaro, S.De., Krieg, K.R., Braid, L.D., Durlach, N.I. Third-octave analysis of multi-channel amplitude compressed speech 1-37453
- Gennas, C. Boije Af *see* Boije Af Gennas, C.
- Genno, B. Bell's Displayphone breaks new ground 1-51994
- Genon, A.M. *see* Legros, W.P. 1-35303
- Genoni, T.C., Franz, M.R., Epstein, B.G., Miller, R.B., Poukey, J.W. Radial oscillations of a relativistic electron beam in an accelerating gap 1-48306
- Genoni, T.C. *see* Adler, R.J. 1-48421
- Genoni, T.C. *see* Miller, R.B. 1-48397
- Genova, L. *see* Nowak, J. 1-45856
- Genovese, F.C. *see* Fang Chen Luo 1-42693
- Genrikh, G.A., Turkovich, V.G. Parameters of a faulty state of a stabilised current source with a nonlinear reactor 1-39053
- Gensinger, P.F., Rosin, E.A. Microprocessors in power control, the time has come 1-43969
- Genst, P. *De see* De Genst, P.
- Gent, A.R. Stressed pulse train generator 1-45334
- Gent, Z. *see* Novikov, Yu.D. 1-38982
- Gentens, J. *see* Verplancke, J. 1-48546
- Genter, C.R., II, Kandel, G.L., Geri, G.A. Coincidence eye position device with applications in clinical psychophysics, eye-position training and visual evoked response recording 1-43284
- Gentil, P., Mounib, A. Equivalent input spectrum and drain current spectrum for 1/f noise in short channel MOS transistors 1-36636
- Gentile, G. *see* Cannone, V. 1-53472
- Gentile, J. Characterizing optical fibers with an OTDR 1-46517
- Gentile, P.S. *see* Hockman, A.J. 1-30192
- Gentile, T. *see* Ehrlich, R. 1-34428
- Gentimir, E. *see* Berbec, C. 1-31000
- Gentsch, W. *see* Langer, H.-D. 1-27186
- Genz, C.H. *see* Redmon, J.R. 1-43661
- Genzel, A., Lutz, K. Computer-aided design of electrical machines 1-35116
- Genzel, L. *see* Kremer, F. 1-48220
- Genzow, D. *see* Hoai, T.X. 1-33244
- Georganas, N.D. *see* Chakravarthy, C.V. 1-47103
- George, A.K., Marble, A.E. Digital heart rate meter using c.m.o.s. devices 1-43348
- George, E. *see* Freese, F. 1-30014
- George, E. *see* Geise, P. 1-26902, 1-27694
- George, F., Meyrueis, P. Interactive flying spot image scanner for matching high-altitude stand-off photographs 1-47964
- George, J., Radhakrishnan, M.K. Space-charge limited conduction in antimony trisulphide films 1-32668
- George, J.F. *see* Richards, D. 1-31114
- George, P.K., Gill, H.S., Moberly, L., Norton, R.H. Characteristics of a 1-Mbit bubble memory chip 1-40832
- George, R. *see* Behrend, H.-J. 1-43229
- George, S. The complementary transistor switch 1-29879
- George, S. A look at tuned circuits 1-34076
- George, S.M., Harris, C.B. Passively mode-locked Nd:glass laser oscillator optimized for TEM<sub>00</sub> selectivity and long term stability and reliability 1-41075
- Georges, A., Fournier, J.M., Bois, D., Monty, O. Time resolved EBIC application to device analysis 1-36631
- Georges, A. *see* Auvert, G. 1-32050
- Georges, J.-P.J. *see* Riederer, S.J. 1-34591
- Georgi, K.-H. High voltage stabilisation for an on-line isotope separator 1-48644
- Georgiev, V.K. *see* Ivanova, E.S. 1-46188
- Georgopoulos, P., Knapp, G.S. Design criteria for a laboratory EXAFS facility 1-30386
- Georgopoulos, P., Sayers, D.E., Bunker, B., Elam, T., Grote, W.A. Workshop on automating an EXAFS facility: hardware and software considerations 1-34540
- Georgopoulos, P. *see* Knapp, G.S. 1-34518
- Geotschel, D. *see* Scott, E. 1-33482
- Geppert, R. Hardware implementation of a 15-channel filter bank 1-37471
- Geppert, R., Kuhn, M.H. A microprocessor-controlled speaker verification device 1-29138
- Geppert, S. AC propulsion system for an electric vehicle 1-31589
- Gepraegs, H., Tandjung, H. Test method for VLSI semiconductor chips 1-28059
- Geprags, W., Mozdzen, J., Tandjung, H., Warmers, R. Testing method for mixed storage logic chips 1-40645
- Geradin, M., Idelsohn, S., Hogge, M. Computational strategies for the solution of large non-linear problems via quasi-Newton methods 1-39679
- Geraldo, L.P. *see* Mafra, O.Y. 1-48638
- Geraniotis, E.A., Pursley, M.B. Performance analysis for fast frequency-hopped spread-spectrum multiple-access communications 1-29695
- Gerard, H. *see* Crosnier, Y. 1-40561
- Gerard, Ph. An adaptive amplitude equalizer for digital microwave links 1-47530
- Gerashchenko, O.A., Kupris, A., Sazhina, S.A., Tamonis, M.M., Sinkavichyus, I.E. Transfer of radiation energy in products of combustion of hydrocarbon fuel. II. Devices for measuring radiative heat flow from combustion products to channel walls 1-42625
- Gerasimenko, A.A. *see* Arzhamastsev, D.A. 1-38656
- Gerasimenko, N.N., Tnyshtykvae, K.B. Formation of radiation defects in silicon containing hydrogen atoms 1-32754
- Gerasimenko, S.S., Nagula, P.K. Axial unload of a leak-free electric pump 1-31392
- Gerasimov, A.B., Dzhandieri, M.Sh., Tsertsvadze, A.A., Shillo, A.G. Kinetics of the accumulation of radiation-induced space charge in dielectrics in MOS structures 1-32837
- Gerasimov, A.L., Gutkin, A.A., Rogachev, A.A. Long-wave photoconductivity involving states at the semiconductor-dielectric interface in a GaAs metal-semiconductor structure with an intermediate oxide layer 1-27882
- Gerasimov, G.A. *see* Bazarov, E.N. 1-51374
- Gerasimov, S.N. *see* Bashkin, A.S. 1-28661
- Gerasimov, V.P., Vaintraub, L.D., Permyakov, B.A. Apparatus for diagnosing the structural condition of pylons. I. The inductive method 1-38788
- Gerasimovich, A.N., Bulat, V.A. Calculating the electromagnetic field of screened conductor under transient conditions 1-35269
- Gerasimyak, R.P., Leshchev, V.A. The electromagnetic moment of an induction drive with thyristor control in the rotor circuit 1-31507
- Gerasimyak, R.P., Shokhet, G.I. A static speed transducer for induction-motor drives with parametric control 1-39143
- Geraskin, O.T., Selenova, T.G. A quasineutronian method of optimising the operating conditions of electrical power stations 1-49260
- Gerber, B., Forrer, M. Microelectronics in Switzerland. CEH and FSRM: the small-series fabrication of CMOS ICs 1-36676
- Gerber, B., Martin, J.-C., Fellrath, J. A 1.5 V single-supply one-transistor CMOS EEPROM 1-40035
- Gerber, C. *see* Binnig, G. 1-26934
- Gerber, H. Electromechanical components in communication engineering 1-50531
- Gerber, H.E. A saturation hygrometer for the measurement of relative humidity between 95 and 105% 1-30545
- Gerber, H.U., Li, S.-Y.R. The occurrence of sequence patterns in repeated experiments and hitting times in a Markov chain 1-44880
- Gerber, M. *see* Brett, J. 1-44465
- Gerber, P.R. Calculated correlations between material parameters and electro-optical performance of twisted nematic displays 1-48160
- Gerber, P.R. *see* Schadt, M. 1-52542
- Gerber, P. *see* Vernay, Y. 1-40701
- Gerber, R. (translator) Theory of electroacoustics 1-44593
- Gerber, R.A. *see* Olson, C.L. 1-48295
- Gerber, T. *see* Burkhard, P. 1-46670
- Gerberg, A.N., Dronov, A.V., Iskanderov, A.Sh., Panasyuk, M.I., Petrova, V.I., Sosnovets, E.N., Rubinstein, I.A., Schiebot, U.V. Radiation measurements aboard the Kosmos 900 spacecraft. I. Electron spectroscopy 1-48850
- Gerberich, C.L. *see* de Faria, J.M., Jr. 1-33473
- Gerbrands, J.J. Relaxation methods in digital image segmentation 1-29190
- Gerbrands, J.J. *see* Biemond, J. 1-33607
- Gerchak, Y. Maximal entropy of Markov chains with common steady-state probabilities 1-50154
- Gerck, E. *see* Fill, E. 1-37067
- Gerdes, E. *see* Schutt, H.-J. 1-52558
- Geren, P. Lightning threat definition for composite aircraft 1-34668
- Gergis, I.S. *see* MacNeal, B.E. 1-46446
- Gerhardt, O., Richter, W. Self-biased narrow magnetoresistive elements 1-32987
- Gerhart, G.R. *see* Hannigan, J.F. 1-41701
- Gerhauser, H. A fast bit-slice computer for real-time signal processing 1-29194
- Geri, G.A. *see* Genter, C.R., II 1-43284
- Gericke, B. Combined heat and power generation in industry. I Engine systems 1-53255
- Gerig, R., Moore, C., Pruss, S. Beam quality measurements in Fermilab main ring 1-42916
- Gerig, R., Moore, C., Pruss, S. Measurement and compensation of coherent Laslett tune shifts in the Fermilab Main Ring 1-43002
- Gerig, R., Moore, C., Pruss, S. Measurement of incoherent Laslett tune shifts in the Fermilab Main Ring 1-43003
- Gerig, R., Pfeffer, H. Fermilab power monitor 1-48277
- Gerig, R. *see* Moore, C. 1-48368
- Gerin, A. Mode coupling in multimode optical fibres: 10 years of progress 1-46535
- Gerisch, G., Hedrich, P., Kloeppel, F.W., Ufer, D. The planned development of energy requirements based on priorities for the utilisation of national energy resources of the German Democratic Republic 1-34973
- Gerke, H. *see* Degele, D. 1-43142
- Gerke, H. *see* Ebeling, W. 1-48344
- Gerke, H. *see* Rossbach, J. 1-42785
- Gerke, P. Telecommunication services in the future Integrated Services Digital Network (ISDN) 1-33736
- Gerke, P. *see* Bocker, P. 1-29346
- Gerke, P.R. The Integrated Services Digital Network (ISDN) as a basis for combined telecommunication 1-29306
- Gerke, P.R. Digital local networks—a system study 1-29340
- Gerke, P.R. The telecommunication services offered by the integrated services digital network of the future 1-41878
- Gerla, M., Sheedy, C. Bandwidth control in computer networks 1-33831
- Gerlach, A.A. A high-speed algorithm for mapping 2-D ambiguity surfaces 1-42347
- Gerlach, J. *see* Blenk, H. 1-42156
- Gerlein, A.D. On the development of pulse power gauges 1-30226
- Gerlein, A.D. A distributor-amplifier for stepper motor control 1-39013
- Gerli, D. *see* Manes, G.F. 1-36800
- Gerling, W. Time consuming tests of VLSI circuits 1-40657
- German, D.L. A simple converter/inverter 1-39910
- German, K.R. Color center lasers 1-28688
- German, L.A., Sinitsyna, L.A., Loginov, V.M. New protection for series compensation [traction substations] 1-30794
- German, S.I. *see* Tsaryuk, A.K. 1-49835
- German, U., Shani, G. A comparative study of n-y discrimination and uniformity of long liquid scintillation detectors 1-34486
- Germash, G.P., Derkasova, V.G., Dyupin, V.K. Automatic monitoring of the operation of 1st stage H-cation exchange filters according to the sodium concentration of the filtrate 1-35025
- Germer, H. Automatic compensation method for the precise measurement of effective values 1-34351
- Germer, H. Estimation of statistical errors in operational amplifier measurement circuits 1-45283
- Germont, A. *see* Baudry, A. 1-42366
- Geroft, F.P. What to do with transmission line easements 1-43745
- Geroft, J.P. The role of energy consumption in choice of transport motive power 1-35471
- Gersbach, J.E. *see* Bailey, J.A. 1-46411
- Gersbach, J.E. *see* Chu, J.L. 1-27301
- Gershberg, A.E., Mikhailov-Teplov, N.N., Nizhegorodov, S.P., Sav'ev, Yu.V. Photoelectric characteristics of vidicon Li459 1-29899
- Gershenkroil, V.L. *see* Kozlov, M.I. 1-36084
- Gershenson, M. *see* Abrokwa, J.K. 1-35954
- Gershinskii, Ya.V. *see* Kozlov, M.I. 1-36084
- Gershkovich, Ya.M. *see* Voinov, V.G. 1-38028
- Gerstenmeier, J. Design and functions of an anti-kid system with digital electronics 1-31611
- Gerstle, P.J. *see* Deaver, R.L. 1-29087, 1-33487, 1-33836, 1-33837
- Gertsbakh, I. *see* Friedman, L. 1-44849
- Gertsenberg, G.R., Kashtelyan, V.E., Lyubarskii, V.G., Yurganov, A.A., Pokrovskii, M.I. Set of excitation-control equipment for large hydroelectric generators, turbogenerators, and synchronous compensators 1-31189
- Gertsik, G.Ya. *see* Loshchilov, V.I. 1-43376
- Gertsyovf, V.A. The reconstruction of trunk radio-relay links without interrupting communications 1-47533
- Gervadis, P.P., Rau, R.S.N. Firing characteristics of a simple coaxial triggered vacuum gap 1-35271
- Gervais, Y. *see* Pelletier, J.M. 1-46348
- Gerwen, P.J. *van see* van Gerwen, P.J.
- Gery, A. *see* Bacher, P. 1-30591
- Gerzberg, L., Lu, N.C.C., Meindl, J.D. A monolithic power-spectrum centroid detector 1-28083
- Gerzberg, L. *see* Chau-Chun Lu, N. 1-32609, 1-40632
- Gerzberg, L. *see* Chong-Cheng Fu 1-30579
- Gerzberg, L. *see* Meindl, J.D. 1-28125
- Gerzevske, H. *see* Owen, C.W. 1-48346
- Gesch, H. *see* Leburton, J.P. 1-40616
- Geschonke, G. *see* Brown, P. 1-43051
- Gesemann, H.J. Piezoceramic materials based on lead-titanate-zirconate with an addition of CdO for filter applications 1-28161
- Gesing, E.J. *see* Creegan, F.J., Jr. 1-43589
- Gesley, M.A. *see* Swanson, L.W. 1-45855
- Gesser, H.D. *see* Kruczynski, L. 1-44386
- Gettemy, D.J. *see* Barnes, N.P. 1-41069
- Getten, J.R. 'Phantom' redundant via [printed circuit boards] 1-32490
- Geung-Ho Kim Bounds for strength-stress interference via mathematical programming 1-35852
- Geusic, J.E. *see* Nelson, T.J. 1-28257
- Geuzebroek, N. *see* Noomen, J.G. 1-48285
- Gevers, M.R. *see* Anderson, B.D.O. 1-45169

- Gewirtz, H., Ohley, W., Walsh, J., Perry, C., Shearer, D., Most, A. Determination of left ventricular pressure-volume relations with a computer based cadmium telluride cardiac probe 1-52772
- Geworkjan, S.D. see Pogojan, J.M. 1-32986
- Gex, J.P. see Valat, P. 1-28777
- Geyer, H. Modelling the perception of flicker 1-44470
- Geylswijk, C.A. van see van Geylswijk, C.A.
- Geysen, W., Jordan, H., Vandenput, A., Walcarus, H. Selfexcited and free oscillations of an idealized synchronous machine 1-53406
- Geysen, W. see Debontridder, J. 1-53386, 1-53456
- Geysen, W. see Walcarus, H. 1-49472
- Ghaderi, M.B., Temes, G.C., Law, S. Linear interpolation using CCDs or switch-capacitor filters 1-45445
- Ghaderi, M.B., Temes, G.C., Lee, M.S., Chang, C. Bilinear switched-capacitor ladder filters—new results 1-45506
- Ghaderi, M.B., Temes, G.C., Nossek, J.A. Switched-capacitor pseudo-N-path filters 1-50397
- Ghaderi, M.B. see Man Shek Lee 1-36066, 1-45470
- Ghafouri, S.N. see Fitch, R.K. 1-34420
- Ghafurian, A., Berg, G.J. A stability measure for use in power system transient stability studies 1-38653
- Ghai, A.K., Verma, H.K., Mukhopadhyay, P. Microprocessor based directional relay 1-38813
- Ghai, A.K., Verma, H.K., Mukhopadhyay, P. Floating integration time maximum demand indicator and energy meter 1-38837
- Ghais, A.F., Kolsrud, J., Skjei, S.M., Suyderhoud, H.G. US results of TDMA field trials [COMSAT] 1-47615
- Ghaleotti, P. see Badino, G. 1-48611
- Ghamarian, A. Energy conservation in power plants: analysis of pressure-equalizing pump performance 1-53270
- Ghanad, G. Azizi see Azizi Ghanad, G.
- Ghanbari, F., Robertson, J.C. Does  $\gamma$ -irradiation improve the plateau characteristics of self-quenching GM counters? 1-30345
- Ghandforoush, P. see Austin, L.M. 1-35862
- Ghandhi, S.K., Field, R.J. Precisely controlled shallow  $p^+$  diffusions in GaAs 1-32749
- Ghandhi, S.K. see Shealy, J.R. 1-32078
- Ghanekar, H.A. see Satyanarayana, V. 1-53739
- Ghannoun, E. A rational approach to structural design of transmission line 1-43738
- Ghatak, A., Thyagarajan, K. Graded index optical waveguides: a review 1-33067
- Ghatak, A.K. see Kumar, A. 1-33047
- Ghatak, A.K. see Sharma, A. 1-40900
- Ghatak, A.K. see Sharma, E.K. 1-51184
- Ghatak, K.P. see Chakravarti, A.N. 1-50769
- Ghauri, G.A., Nazir, M. Calibration of detectors used to survey radioactivity dispersed in three dimensional matrix 1-48623
- Ghauri, M.A., Bokhari, W.H., Nazir, F.M. Band gap variation with composition in cadmium phosphate glasses 1-51251
- Ghauri, M.A., Hogarth, C.A. Memory switching in cadmium-zinc-phosphate glasses 1-45946
- Ghauri, M.A. see Nazir, F.M. 1-33102
- Ghausi, M.S. see Padukone, P. 1-45487
- Gheewala, T. see Dhong, S.H. 1-40851
- Gheewala, T.R. DC powered fault-free latch 1-40043
- Gheewala, T.R., Jones, H.C. Negative feedback storage loop for an AC latch 1-27412
- Gheewala, T.R., Mukherjee, A. Compact, direct coupled AND gate 1-27410
- Gheewala, T.R., Mukherjee, A. Direct coupled AC powered latch 1-45391
- Gheorghe, A. see Pavelescu, M. 1-35009
- Gheorghe, G., Ionel, C. Approximation of magnetizing curves with adjusting spline functions and rating of derived dependencies used in some numerical computing methods for the magnetic field 1-28835
- Gheorghiu, V., Vild-Major, A.A. Optimum design of two cascaded peaking current sources 1-50408
- Ghez, R., Small, M.B. Growth and dissolution of ternary alloys of III-V compounds by liquid phase epitaxy and the formation of heterostructures 1-39778
- Ghez, R. see Small, M.B. 1-39768
- Ghidotti, B. Interactive designing method of printed wirings 1-40296
- Ghigi, P., Troili, R. A method for relating the solutions of two linear networks 1-50378
- Ghillebaert, B. see Guenin, J.P. 1-47624
- Ghiotto, L. Power monitor for remote loads 1-32186
- Ghiselli, A. see Bacilieri, P. 1-38440
- Ghita, C. Calculation of leakage inductance in transformers 1-45727
- Ghita, C. Three-phase electrical transformer operating in unbalanced load conditions 1-49534
- Ghitau, D., Kahkah, I. On a practical possibility for the determination of the constants of electromagnetic distance measuring instruments 1-48843
- Ghobrial, S.I. The effect of sand storms on microwave propagation 1-28925
- Ghobrial, S.I. Fields at the aperture of pyramidal horns [antennas] 1-51718
- Ghodgaonkar, D.K. see Hagmann, M.J. 1-48693
- Gholson, N.H. Measuring transmission line transfer functions using a Fourier technique 1-33914
- Ghosal, A. see Holman, D.F. 1-31933
- Ghosh, A., Jain, K.M., Mallik, B., Misra, T.N. Compensation effect in the electrical conduction process in some nitroaromatic semiconductors 1-45959
- Ghosh, A. see Sampson, W.B. 1-43108
- Ghosh, A.K. Polycrystalline silicon solar cells 1-35369
- Ghosh, B. see Kothiyal, G.P. 1-39749
- Ghosh, B.K., Lee, S.K. A sequential test for homogeneity of multinomial proportions 1-50139
- Ghosh, K.K. see Chakravarti, A.N. 1-50769
- Ghosh, M., Sukhatme, S. On Bahdaur's representation of quantiles in nonregular cases 1-39539
- Ghosh, M. see Ebrahimi, N. 1-35773
- Ghosh, P.K. see Das, M.D. 1-46155
- Ghosh, S., Adatia, N.A., Watson, B.K. High performance dual-band corrugated feed for TVBS antenna for the Italian region 1-47080
- Ghosh, S., Watson, B.K., Adatia, N.A. Profiled corrugated horns [reflector antenna feeds] 1-41448
- Ghosh, S. see Adatia, N. 1-52098
- Ghosh, S. see Chakravarti, A.N. 1-50769
- Ghosh, S. see Srivastava, J.N. 1-27028
- Ghosh, S. see Watson, B.K. 1-41372
- Ghoshroy, S. see Weng, W.T. 1-48342
- Gi Il Kim, Shirafuji, J., Inuishi, Y. Transport of photoexcited carriers in evaporated  $\text{Ge}_x\text{Se}_{1-x}$  glass films 1-51255
- Gi-chang Lin see Shen-li Fu 1-45818
- Gi-shou Guo see Guo Gi-shou
- Giaccaglini, G. Electronic delay relay which emulates a thermal relay 1-27658
- Giacobino, E. see Grynberg, G. 1-28636
- Giadrossi, A. see Antonini, A. 1-35079
- Giallorenzi, T.G. Fiber optic sensors 1-38081
- Giallorenzi, T.G. Fibre optic sensors 1-40912
- Giallorenzi, T.G., Bucaro, J.A. Fiber-optic sensor technology 1-42610
- Giallorenzi, T.G. see Dandridge, A. 1-37163, 1-41102, 1-46507
- Giallorenzi, T.G. see Goldberg, L. 1-51455
- Giallorenzi, T.G. see Leslie, D.H. 1-51160
- Giallorenzi, T.G. see Miles, R.O. 1-41081, 1-42611
- Giam, H. The see The Giam, H.
- Giambiasi, N. see Durante, C. 1-27450
- Gianino, P.D. see Bendow, B. 1-41139
- Giao Trinh, N. see Sarma Marudada, P. 1-30706
- Giardina, G. see Arona, N. 1-48626
- Giarola, A.J. see D'Assuncao, A.G. 1-28954, 1-45595, 1-47000
- Giarratana, V. see Camici, A. 1-51886
- Giazotto, A. see Amendola, S.R. 1-43238
- Gibart, C. Study of an tests on a hybrid photovoltaic-thermal collector using concentrated sunlight 1-53642
- Gibb, A.C.O., Lane, D.W. A line of sight stabilisation system 1-42510
- Gibb, R.M. RF-5E tactical reconnaissance standoff photography concept [aircraft] 1-48897
- Gibb, R.M. see Ashton, J.E.U. 1-28722
- Gibbings, D.L.H., Gibson, A.V. Contributions to the reciprocity calibration of microphones 1-48921
- Gibbons, D.I., Vance, L.C. A simulation study of estimators for the 2-parameter Weibull distribution 1-35678
- Gibbons, G. see Cotten, W. 1-42251
- Gibbons, J.F. see Christel, L.A. 1-36559, 1-50872
- Gibbons, J.F. see Kamins, T.I. 1-50283
- Gibbons, J.F. see Leitola, A. 1-27922
- Gibbons, J.F. see Minagawa, S. 1-35947
- Gibbons, J.F. see Nissim, Y.I. 1-27921, 1-32700
- Gibbons, J.F. see Shibata, T. 1-50757
- Gibbons, M. see Farina, C. 1-39335
- Gibbs, A.J. see Stotlar, S.C. 1-48101
- Gibbs, B.M. see Tspouridis, J.I. 1-49651
- Gibbs, S.E., Dunsmore, M.R.B. Communications to RPVs 1-43415
- Gibbs, T.D. see Yeats, R. 1-37046
- Gibbs, W. see King, P.H. 1-34584
- Gibeault, J.P. see Belanger, G. 1-28174
- Gibert, R. Latest developments in the field of audio-cassettes 1-47860
- Gibert, R. The latest developments in audio cassettes. II 1-52315
- Giboni, N. see Larigaldie, S. 1-37273
- Gibson, A.F. see Ross, I.N. 1-51414
- Gibson, A.V. see Gibbings, D.L.H. 1-48921
- Gibson, C., Haykin, S. Performance studies of adaptive lattice prediction-error filters for target detection in a radar environment using real data 1-42297
- Gibson, C.A., Cox, R.W. Economic dispatch fuel pricing 1-43600
- Gibson, G.H. see Eberhard, P.H. 1-51132
- Gibson, J. A computer-based laboratory timer 1-38300
- Gibson, J. see Sanford, R. 1-29133
- Gibson, J.D. Predictor optimization and performance improvement in DPCM 1-29112
- Gibson, J.D. Tree coding versus differential encoding of speech: a perspective 1-33594
- Gibson, J.D. Bounds on performance and dynamic bit allocation for sub-band coders 1-41583
- Gibson, J.D., Fischer, T.R. Differential encoder design using stochastic control theory 1-29107
- Gibson, J.D. see Goris, A.C. 1-51799
- Gibson, J.P., Klockner, P., Mrha, W., Salomon, B. Control and regulation of the drive of TRANS-RAPID 06 1-53725
- Gibson, N., Harper, D.J. Evaluation of electrostatic hazards associated with non-conducting materials 1-44654
- Gibson, P.N., Delaney, C.F.G., Nolan, G.E., Finch, E.C. The use of a simple optical attenuator for sub-nanosecond walk calibrations of constant fraction discriminators 1-43262
- Gibson, R.B. see Carlson, R.L. 1-51347
- Gibson, R.M., McCabe, D.P. Fourier transform algorithm implementations on a general-purpose microprocessor 1-41749
- Gibson, T.A., Jr., Ozaki, C.B., Becker, J.F. The health physics hazards of X-rays produced by evacuated microwave waveguides 1-52813
- Giddings, D. see Damerell, C. 1-38450
- Gidon, S. see Parriaux, O. 1-51147
- Gielow, T., Holly, R., Lanzinger, D., Tuttle, R.P. Monolithic driver chips for matrixed gray-shaded TFEL displays 1-48171
- Gieniewski, C. see Johnson, G.E. 1-51044
- Gier, J. Coaxial cable systems at bit rates above 400 Mbit/sec 1-42249
- Gieras, J. Views on utilization of magnetic levitation effect in high speed ground transportation 1-44438
- Gieras, J. Linear induction motor with transverse flux and the secondary suspended electro-dynamically 1-53428
- Gierke, H. Protective equipments for generators and switch plants in power generating stations. VI 1-30963
- Gierloff, J.J. Thermal distortion modeling of mirrors based on experimental data 1-33255
- Giertz, H., Vucins, V. 34 Mbit/s optical fibre line system, ZAM 34-1 1-29736
- Giesbertz, P.H. Present power supply situation at DSM Limburg chemical plant 1-43651
- Giesbrecht, D., Mahoney, M. How to test LSI components for telecommunication systems 1-27381
- Giesler, H.P., Suchy, U. IEC-bus interface for microcomputer module system SMP 1-38104
- Giessler, A., Jagemann, A., Maser, E., Hanle, J.O. Flow control based on buffer classes 1-33804
- Giffard, R.P. see Michelson, P.F. 1-28337
- Giff, D.A. see Reinhard, D.K. 1-43318
- Gigli, M.L. On the stability of turbogenerators with field control in relation to power angle and its first and second derivatives, during small disturbances 1-53375
- Giglia, R.D., Haacke, G. Performance improvements in  $\text{WO}_3$ -based electrochromic displays 1-52540
- Giglio, M., Musazzi, S., Perini, U. Distance measurement from a moving object based on speckle velocity detection 1-30254
- Gijbels, R., Van Grieken, R., Blommaert, W., Vandelanoot, R., Van'T Dack, L. Trace element geochemistry in thermal waters from Plombières and Bains (Vosges) 1-34709
- Gilabert, A. see Van den Dries, L. 1-28328
- Gilabert, A. see Vanneste, C. 1-40852
- Gilad, P. see Fisher, A. 1-48403
- Gilad, S. see Baer, H.W. 1-34516
- Gilbert, B.K., Beistad, R.D., Krueger, L.M. A hierarchical network of processors for computed tomography computation on large data bases 1-38501
- Gilbert, D.B. see Botez, D. 1-51435
- Gilbert, J.A. see Milnes, H.W. 1-39002
- Gilbert, M. Design flexibility implicit in first plastics trunking standard 1-43749
- Gilbert, M. Conduit standards rise but fittings are left behind 1-53116
- Gilbert, R.E. see Hoflund, G.B. 1-32365
- Gilbert, W. see Taylor, C. 1-51112
- Gilbert, W.S., Caspi, S., Hassenzahn, W., Lambertson, G., Meuser, R., Rechen, J., Schafer, R., Warren, R. Testing of accelerator dipoles in pressurized superfluid helium 1-48532
- Gilbert, W.S. see Althaus, R. 1-43113
- Gilbert, W.S. see Taylor, C. 1-43114
- Gilboa, H. see Messer, H. 1-40769
- Gilby, D. see Minder, R. 1-53316
- Gilchrist, J. le G. Low temperature dielectric loss spectra of polyolefins 1-28138

- Gildemeister, J.** Reduction of dissipation in the series transistor using type MAA 723 regulator circuit 1-36085
- Gilden, M.**, Montress, G.K., Wagner, R.A. Long-term aging and mechanical stability of 1.4 GHz SAW oscillators 1-36765
- Gilden, M.** *see* Grudkowski, T.W. 1-32924, 1-32939, 1-46376
- Gildwarg, P.** *see* Cahen, C. 1-41127
- Giles, D.L.** *see* Byrne, C.F. 1-52016
- Giles, G.E.** *see* Wood, R.F. 1-32728, 1-46058
- Giles, M.** One-chip stereo filter cuts noise without preprocessing signals 1-52309
- Giles, M.** *see* Isbell, T.D. 1-29890
- Giles, R.** Multiplexed analysers 1-42573
- Gilgen, H.H.**, Salathe, R.P., Rytz-Froidevaux, Y. Laser-induced luminescence band in Ge-doped (Al, Ga)As multilayer structures 1-33125
- Gilgen, H.H.** *see* Rytz-Froidevaux, Y. 1-45123
- Giling, L.J.** *see* Rijks, H.J. 1-36464
- Gill, A.** *see* Shannon, J.M. 1-50912
- Gill, D.K.**, Kirchner, E.K., Khuri-Yakub, B.T. Zinc oxide transducers for microwave bulk-wave devices 1-36801
- Gill, H.S.** *see* George, P.K. 1-40832
- Gill, S.S.**, Sealy, B.J., Topham, P.J., Barrett, N.J., Stephens, K.G. Annealing of Si<sub>3</sub>N<sub>4</sub>-capped ion-implanted InP 1-50771
- Gill, W.** Easy-to-use BASIC program analyzes transient response 1-45181
- Gill, W.D.** *see* Grant, P.M. 1-36520
- Gillan, G.D.** *see* Nalcioglu, O. 1-34592
- Gillbard, S.R.** D-to-A (by stealth) 1-40183
- Gillbro, T.** *see* Sundstrom, V. 1-28665
- Gille, W.** Electrical measurement technology 1-52499
- Gilleron, M.** *see* Bouley, J.C. 1-41080
- Gillert, H.**, Vogel, J. Remarks on testing hypotheses for Markov processes 1-50166
- Gilles, J.-P.**, Lejeune, C. Multiply charged ion beams of solids from sputter duopIGatrons 1-38402
- Gilles, J.-P.** *see* Lejeune, C. 1-38406
- Gillesen, K.**, Malinowski, C. Systems for the reduction of the numbers of connections for optical signals 1-41811
- Gillespie, A.R.** *see* Schiedge, J.P. 1-48842
- Gillespie, C.H.** *see* Bingham, G.E. 1-52463
- Gillespie, T.M.** Rural telecomms—the 80s, a decade of change 1-41875
- Gillespie, T.M.** Single channel radio links—an under utilised resource 1-47521
- Gillespie, W.A.**, Kelliher, M.G. The energy compressor at the Glasgow 170 MeV electron linac 1-43139
- Gillessen, K.**, Malinowski, C. Switching circuits for LED-displays 1-30203
- Gillessen, K.**, Malinowski, C. Information displays with reduced number of control lines 1-30207
- Gillessen, K.**, Malinowski, C. LED displays: drive circuits for complex indicator units 1-34337
- Gillessen, K.**, Malinowski, C. How to reduce the number of control wires of your LED displays 1-41030
- Gillessen, K.**, Schairer, W. LEDs—technology and applications 1-46655
- Gillet, I.**, Linard, R. Properties of the polyol fuel cell 1-49664
- Gillet, R.**, Goyer, J., Laumond, Y., Marquet, A., Berthet, M. Electricite de France—Alsthom-Atlantique superconducting turbogenerator development program 1-31182
- Gillette, D.** Telematics: the integration of computing and communications 1-37730
- Gillette, P.C.**, Garson, A., Jr., Zinner, A., Kugler, J.D. Continuous computer automated measurement of electrophysiologic data during cardiac catheterization 1-52796
- Gilli, P.V.** Oil substitution—the central theme of energy economy 1-30860
- Gilli, P.V.** Oil substitution 1-53172
- Gilli, R.** *see* Landolt, J. 1-43868
- Gilliam, D.M.** *see* Fuller, J.L. 1-34488
- Gilligan, S.R.**, Hopkinson, R.H. Conservation voltage regulation with switched capacitors 1-48973
- Gilliland, R.G.**, Smith, R.J. Power conditioning unit development for MAG-TRANSIT 1-53556
- Gilling, B.** Programmable IC controls linears and switchers 1-32161
- Gillingham, R.D.** Differential amplifier with DC restore 1-32200
- Gillingham, R.D.**, Manning, C.L. Digitally controlled variable gain amplifier 1-36106
- Gillis, J.-M.**, Joskin, Y. Reset a UART with a spare line receiver 1-50488
- Gillis, R.E.** *see* Lawrence, G.P. 1-42870
- Gillman, A.R.** *see* Damerell, C.J.S. 1-48627
- Gillner, W.**, Hohne, E. Arrangements of machine switchgear and machine output leads at the Markersbach pumped-storage power station 1-53309
- Gilloire, A.** *see* de Passoz, G. 1-41509
- Gillooly, D.L.**, Henneuse, P. Multifunction chip plays many parts in analog design 1-27531
- Gillot, B.**, Benloucif, R.M., Rousset, A. Electrical conductivity of zinc-iron ferrites in vacuum and in the presence of oxygen 1-40418
- Gil'man, B.I.**, Kasatkin, V.V., Surzhik, T.M., Tret'yakov, A.P. A dielectric-semiconductor structure with Schottky contacts for photoelectric detection 1-33145
- Gilman, S.**, Dirks, D.D., Stern, R. The effect of occluded ear impedances on the eardrum SPL produced by hearing aids 1-52291
- Gil'manov, A.N.**, Gubaidullin, F.F. Signal amplitude-digital code converter with double strobing 1-27573
- Gilmore, R.S.**, Lavender, W.M., Leith, D.W.G.S., Williams, S.H. High gain multigap avalanche detectors for Cerenkov ring imaging 1-34430
- Gilmore, T.** The search for consistency: comparison of the Army (POST), Air Force (ARC-7V) and McDonnell Douglas (ASET) infrared test facilities 1-52357
- Giloth, P.J.**, Jaegar, R.J., Jr. Planning and management of a large telecommunications software project 1-42095
- Gilpatrick, J.D.** *see* Chamberlin, D.D. 1-42964
- Gils, J.A.** *van see* van Gils, J.A.
- Gilvin, P.J.**, Mathieson, E., Smith, G.C. Subdivision of a graded-density cathode 1-48613
- Gilyazov, F.A.** *see* Starchik, L.P. 1-53856
- Gimmestad, G.G.**, Bohlander, R.A. Long path absorption cells for millimeter waves 1-48216
- Gimpelson, G.**, Batchman, T.E. Material problems in the construction of a media independent radiation probe 1-42614
- Gimpelson, L.A.** Telecommunications service systems 1-37816
- Ginalski, J.** Internal stresses in components of power engineering structures 1-34965
- Gindi, A.M.**, Money, J.B., Oswald, R.K. Design considerations for the DASTEK 4830 disk drive 1-40794
- Gindi, G.R.** *see* Gmitro, A.F. 1-30424
- Gingell, C.E.L.** *see* Thieberger, P. 1-42849
- GIN'ko, V.I.** *see* Vikulin, I.M. 1-33144
- Ginley, D.S.**, Haaland, D.M. Observation of grain boundary hydrogen in polycrystalline silicon with Fourier transform infrared spectroscopy 1-50749
- Ginn, J.W.** *see* Buttram, M.T. 1-48406
- Gintate, S.** *see* Usami, A. 1-32617
- Ginther, R.J.**, Tran, D.C. Fluoride glasses for IR transmitting fibers 1-40933
- Ginzburg, M.I.** *see* Sisakyan, E.V. 1-36858
- Ginzburg, V.E.** *see* Lokshin, V.E. 1-44528
- Ginzburg, V.M.** Synthesis of conventionalized images with the help of a 'drawing' automaton 1-47247
- Giora Ben-Yaacov** *see* Man-Loong Chan 1-43598
- Giordana, M.** *see* Conte, G. 1-35578
- Giordani, J.A.** Test fixturing for PC boards 1-26901
- Giordano, A.A.** *see* Hsu, F.M. 1-29615
- Giordano, C.** *see* Allasia, G. 1-35921
- Giordano, G.** *see* Federici, L. 1-43268
- Giordano, S.**, Votruba, J. A method of measuring and calculating the longitudinal microwave coupling impedance of ISABELLE 1-43015
- Giordmaine, J.A.** *see* Ping-King Tien 1-28515
- Giorgadze, D.P.**, Balashvili, D.N. The functions of switchgear and its auxiliary contacts in the scheme of the VL11 electric locomotive 1-31354
- Giorgetti, F.** *see* Berlasso, G. 1-52933
- Giorgetti, F.** *see* Buzzelli, S. 1-29350
- Giorgi, M.A.** *see* Amendolia, S.R. 1-43238
- Giot, M.** The accident at the Three Mile Island nuclear power station 1-30872
- Giovachini, J.-L.**, Leyrit, M., Pascal, J.-P. Assessment by scaling tests of electromagnetic linear machines 1-49489
- Giovachino, D.L.** A high speed packet switched local network 1-29320
- Giovanni, D.V.** *see* Bennett, S.B. 1-43947
- Gipe, P.** Clocking the wind 1-30542
- Gipe, P.** Power in the wind—an introduction 1-38935
- Gippetto, C.** GPG 2, a solid state high-voltage pulse generator 1-52729
- Giramonti, A.J.**, Lessard, R.D., Merrick, D. Coal-fired fluid bed combustion augmented compressed air energy storage systems 1-31057
- Giramonti, A.J.** *see* Merrick, D. 1-49302
- Girard, A.** *see* Martin, M.J. 1-41531
- Girard, G.** *see* Pinson, P. 1-46677
- Girard, J.** Solar energy applications in telecommunications 1-53322
- Girard, J.** *see* Alard, J.P. 1-52717
- Girardi, G.**, Melindo, F. A DTMF signal receiver in digital exchanges: An LSI approach 1-29557
- Girardi, S.**, Kmiecik, S. Contention recovery in start/stop communication protocol 1-29432
- Giras, T.C.**, Talukdar, S.N. Quasi-Newton method for optimal power flows 1-30690
- Giras, T.C.** *see* Talukdar, S.N. 1-48977
- Giraud, A.E.** *see* Buhler, O.R. 1-28110
- Girczyk, E.F.** *see* Sunter, S.K. 1-50550
- Girdyuk, G.V.** *see* Terziev, F.S. 1-48877
- Girgis, A.A.**, Brown, R.G. A quantitative study on fault-induced noise signals 1-53131
- Girgis, A.A.**, Grover Brown, R. Application of Kalman filtering in computer relaying 1-43793
- Girgis, R.S.** *see* Verma, S.P. 1-53385
- Giridhar, A.** *see* Narasimham, P.S.L. 1-40423
- Girlich, E.**, Kowaljaw, M.M. On a mathematical theory of optimal unification 1-31996
- Girod, B.** Objective quality measures for the design of digital image transmission systems 1-41928
- Girolami, B.** *see* Federici, L. 1-43268
- Girolami, G.** DC-DC conductor without polarity inverter transformer 1-32185
- Giroux, J.** Defluxing with chlorinated solvent [printed circuits] 1-40303
- Giroux, J.** *see* Putaux, J.C. 1-52658
- Girrens, S.P.** *see* Meier, K.L. 1-30518
- Girshfeld, V.Ya.** *see* Galashov, N.N. 1-49290
- Girvin, S.M.** *see* Rendell, R.W. 1-46024
- Gish, W.B.**, Schurz, J.R., Milano, B., Schleif, F.R. An adjustable speed synchronous machine for hydroelectric power applications 1-43986
- Gishkariany, G.** The role of electric steam generation for commerce and industry in the present day energy climate 1-43953
- Gitgarts, D.A.**, Pel'ts, B.B. Development of control systems for electrothermal processes and installations 1-31664
- Gitgarts, D.A.** *see* Prost'yakov, A.A. 1-31716
- Gitis, E.I.** *see* Vostroknutov, N.N. 1-52352
- Gitis, M.B.**, Perlatov, V.G. Estimation of the errors of acoustic velocity measurements by impact excitation of a piezoelectric transducer 1-48271
- Gitis, M.B.**, Shenker, A.A., Afanas'ev, M.I. Relationship between the propagation rate of an elastic impulse front and the probing base 1-39833
- Gitlin, R.D.**, Weinstein, S.B. Fractionally-spaced equalization: an improved digital transversal equalizer 1-42010
- Gitman, M.I.**, Maslova, T.A. Dependence of technical and economic indicators of thermal power plants on level of steam unloading 1-35050
- Gitt, W.**, Schon, K. Numerical procedure for deconvolution of Duhamel-integral in view of determining the time dependence of high-voltage impulses 1-45061
- Giudici, F.** *see* Benincasa, G.P. 1-42920
- Giuffrida, M.**, Tornielli, G.P., Pidotella, S., Repetto, A., Bellafronte, E., Zani, P.E. Parabolic trough concentrators 1-53321
- Giuli, D.**, Fossi, M., Mese, E.D. Performance evaluation of target report extractor in the monopulse ATRBS 1-52927
- Giuli, D.**, Sacco, V. Software techniques for detecting false SSR tracks [air traffic control] 1-48835
- Giuli, D.** *see* Borgheresi, E. 1-52928
- Giuliani, G.** *see* Denariez-Roberge, M.M. 1-51425
- Giuliani, J.F.**, Anderson, W.T., Jr. Elimination of micro-inhomogeneities in a ruby laser beam for improved semiconductor device processing 1-51541
- Giuliani, J.F.** *see* Anderson, W.T., Jr. 1-36517, 1-36528
- Giuliano, V.E.** Teleworking: a prospectus 1-29301
- Giuliano, V.E.** Teleworking: future shock? 1-37688
- Giulio, M.** *di see* di Giulio, M.
- Giurgiu, V.** *see* Barca, C.T. 1-49603
- Giuseppe, M.A.** *Di see* Di Giuseppe, M.A.
- Giusti, A.E.** *De see* Di Giusti, A.E.
- Giusti, P.** *see* Basile, M. 1-43250
- Giusto, P.P.** Transmit power control system in regenerative satellite communications 1-47613
- Giusto, P.** Porzio *see* Porzio Giusto, P.
- Givelet, M.** Coaxial cables for high frequency applications 1-45730
- Gjerlow, J.** *see* Braaten, J. 1-52037
- Gjerpe, I.K.** A fast filter processor as a part of the trigger logic in an elastic scattering experiment 1-38449
- Glaab, J.**, Schaeffer, W., Johnson, E., Degnan, J. A modified CAMAC system for high speed burst data acquisition 1-34014
- Gladstein, M.A.**, Komarov, V.M. Use of the MF-6 photoreceiving matrix as an optical data converter 1-47943
- Gladun, A.** *see* Eckert, D. 1-51115
- Gladushchak, V.I.** *see* Batishche, S.A. 1-33282, 1-46788
- Gladyshev, G.E.** *see* Dzhelepov, I.B. 1-30286
- Glaessgen, R.** Electronic grade solder paste: characteristic and applications 1-45801
- Glagolev, V.M.** *see* Gaponov-Grekhov, A.V. 1-46659
- Glagolevskaya, N.V.** *see* Drabkin, A.L. 1-29641
- Glanholm, A.** Comparison measurements show: True-Lite light tubes are not unique, comparable light tubes are available from other manufacturers 1-39203
- Glascok, H.** *see* Butler, J.W. 1-30515
- Glaser, H.** How to draw up a manning project for integrated manufacturing departments 1-35596
- Glaser, H.**, Orlowski, W., Schick, L. New constant-current regulator for airport lighting 1-31659
- Glaser, H.C.**, Havig, T.F. Radar backscattering from ocean waves at low grazing angles 1-52129

- Glaser, P., Herman, A., Vago, Gy. Ion evaporation techniques based on electron beam evaporation source 1-39811
- Glaser, R.M., Petrofsky, J.S. Digitizing the Parkinson-Cowan CD-4 dry gas meter 1-52759
- Glaser, R.M. *see* Turner, D.F. 1-52758
- Glasl, A. *see* Kranzer, D. 1-40692
- Glasmachers, A. *see* Keppler, E. 1-52703
- Glasmachers, G. *see* Arnold, G. 1-37128
- Glasow, P.A., Conrad, B., Killig, K., Lichtenberg, W. Aspects of semiconductor current mode detectors for X-ray computed tomography 1-34453
- Glass, A.M. *see* Jackel, J.L. 1-36939, 1-51174
- Glass, A.S. *see* Baltes, H.P. 1-47238
- Glass, G. *see* Hollas, C.L. 1-43199
- Glass, H.L. *see* Adkins, L.R. 1-36833
- Glass, J.M., Kotiveriah, P. The allocation problem in distributed signal processing 1-47181
- Glass, M.C. A six kilowatt transformer coupled converter for space shuttle solar power systems 1-30519
- Glaser, L.A. The analog behavior of digital integrated circuits 1-45429
- Glasspool, W.O., Patel, H.N. Plating and tinning technique for screened Rh conductors 1-40321
- Glattfelder, A.H., Grein, H., Dorfner, P.K. Intense system vibrations in hydro plants 1-35081
- Glattfelder, A.H., Jeanneret, F. Limiting surge tank transients in hydropower plants 1-38919
- Glatz, J. *see* Magyar, S. 1-38333, 1-42922
- Glaub, J.G. *see* Diaz, L.F. 1-53279
- Glauber, M.A. *see* Vikulin, I.M. 1-50920
- Glauret, W. *see* Ng, P. 1-46329
- Glauss, M. *see* Brunkhorst, J. 1-48138
- Glavas, X.G. *see* Oh, M. 1-40928
- Glavas, X.G. *see* Thompson, R.E. 1-33068
- Glavich, T.A. *see* Salomon, P.M. 1-38142
- Glavin, G.G. *see* Artyschenko, V.G. 1-28421
- Glavitsch, H. Temporary overvoltages 1-30821
- Glawjic, B. Direct trunk links in telephone networks 1-29351
- Glavischnig, H. Advances and limitations of commercial ion-implantation equipment 1-36564
- Glaze, J.A. *see* Speck, D.R. 1-51409
- Glaze, S.A. *see* Schneiders, N.J. 1-43306
- Glazebrook, R.W. *see* Willars, M.J. 1-44325
- Glazman, R.E. Radio interferential measurements of sea level oscillations with large tidal amplitude 1-48870
- Gleason, D. *see* Lord, D.H. 1-44749
- Glebov, G.M. *see* Khaletskiy, M.B. 1-36824
- Glebov, I.A. Scientific problems and electric equipment 1-31801
- Glebov, V.V., Zharinov, A.V., Malafayev, V.A., Novichkov, D.N., Tosunyan, G.A. Propagation velocity of relativistic electron beams in a rarefied gas 1-33316
- Glebov, V.Yu. *see* Alekseev, A.V. 1-52742
- Gleizer, I.Z., Didenko, A.N., Usov, Yu.P., Tsvetkov, V.I., Shatanov, A.A. Cross-field current flow in a magnetically insulated diode 1-27758
- Gleizer, I.Z., Usov, Yu.P., Tsvetkov, V.I., Shatanov, A.A. Sectioned Faraday cylinder for magnetized high-current beams 1-30223
- Glemba, N.N. *see* Gorobets, N.V. 1-42601
- Glen, P.J. *see* Adams, P.F. 1-41886
- Glende, I. The Norwegian main power grid, long term plans and requirements 1-30699
- Glendenin, C.G. *see* Youngbluth, O., Jr. 1-43458
- Glenn, J.W. *see* Brown, H. 1-48364
- Glenn, M.S. Magnetic bubble memory testing requirements and applications 1-46461
- Glenn, W.V., Jr. *see* Kwoh, Y.S. 1-52763
- Gleybman, Ye.Ya. *see* Filipp, N.D. 1-51604
- Glicksman, A. *see* Avery, R. 1-42826
- Glicksman, R. *see* Reiss, E.M. 1-40665
- Glinchuk, K.D., Litovchenko, N.M. On the effect of high temperature heat treatment on the minority carrier lifetime in silicon 1-50764
- Globus, A. *see* Le Floch, M. 1-28232
- Globus, I.A. Synthesis of ensembles of multifrequency pulsed sequences with minimum cross correlation 1-41512
- Glor, M. Ignition of gas/air mixtures by discharges between electrostatically charged plastic surfaces and metallic electrodes 1-36711
- Glotov, E.P., Danilychev, V.A., Milanich, A.I., Soroka, A.M. Volt-ampere characteristic curves of a self-sustained electrophotoinization discharge in three-component laser mixtures 1-28651
- Glotov, E.P. *see* Basov, N.G. 1-46696
- Glover, A.J., Stephenson, J., Brennan, A.W. Peak electrical power savings using heat pumps for residential space heating 1-44500
- Glover, J.L. *see* Bendick, P.J. 1-43328
- Glover, K.M., Bint, L., Gayther, D.B., King, M., Whittaker, B., Wiltshire, R.A.P. The preparation of stable and actinide nuclide targets for nuclear measurements 1-38383
- Glowacki, A., Sliwinski, T. Calculation of electromagnetic parameters of induction motors 1-53436
- Glowacki, S.W. A current-to-frequency converter 1-52726
- Glowacki, S.W. Digital device for measuring DC voltage ratio 1-30180
- Glowczewski, P. *see* Haman, K. 1-48848
- Gluck, N.S. *see* Nilsen, J. 1-46793
- Gluckstern, R.L. *see* Krinsky, S. 1-43041
- Glukhchev, G.I. Some properties of the linear decision rule obtained by the least-square method 1-31943
- Glukhikh, V.A. *see* Ageyev, A.I. 1-42866
- Glukhivskii, L.I. Determining the asymptotic stability of periodic conditions in nonlinear electric circuits by the differential harmonic method 1-27230
- Glukhov, N.N. Accurate adjustable voltage divider 1-30191
- Glukhov, V.M. *see* Vlasov, V.S. 1-42488
- Glushakov, E.M. *see* Geller, M.E. 1-50235
- Glushchenko, A.A. *see* Chaika, G.I. 1-32852
- Glushchenko, A.G., Kurushin, Ye.P., Neganov, V.A., Nefedov, Ye.I., Santalov, N.P. Algorithmization of wave propagation problems in microstrip structures containing gyromagnetic layers (transverse magnetization in the plane of the layer) 1-46978
- Glushchenko, A.S. Determination of the productivity of the thermist arc-welding process under an exothermic flux 1-53837
- Glushkov, E.A. *see* Vasilenko, N.D. 1-35950
- Glushkov, V.M. Systemwise optimization 1-50223
- Glushkova, L.T. *see* Pershin, A.A. 1-34401
- Gluzbert, D.Kh. *see* Polikarpov, E.D. 1-40195
- Gluzman, P.L. A multifunction magnetic pulse-modulation device 1-40843
- Gmitro, A.F., Gindi, G.R., Greivenkamp, J.E., Barrett, H.H., Swindell, W. High-resolution hybrid digital-optical processor for transaxial tomography 1-30424
- Gnandt, E. *see* Nafornta, I. 1-27567
- Gnatovsky, A.V. *see* Panchenko, V.B. 1-40926
- Gnatyuk, L.N., Gurari, M.L., Mamakina, S.V., Marchenko, S.N. On-line holographic inspection of internal inhomogeneities of semiconductors in the near infrared range 1-50354
- Gneushev, G.A. *see* Shtrikman, M.M. 1-53827
- Gniewinska, B., Kalinowska, B. Resonator dynamic thermal behaviour effects on thermostat controlled oscillator parameters 1-36731
- Goad, C.C. *see* Bossler, J.D. 1-38565
- Goad, P.R.C. *see* Potter, E.C. 1-37281
- Goates, G.B., Patil, S.S. ABLE: a LISP-based layout modeling language with user-definable procedural models for storage/logic array design 1-46245
- Gobbi, J.M. *see* Bellon, C. 1-47929
- Goben, C.A. *see* Begley, D.L. 1-32703
- Gobet, C.-A., Knob, A. Noise analysis of switched capacitor networks 1-45242
- Gobl, G. Field trial with optical communication 1-29737
- Goble, L.G., Wald, J., Williams, L.G., Pratt, P.D. Dynamic digital simulation and the assessment of operator and system characteristics affecting FLIR system performance 1-48002
- Goboh, Y. *see* Kurihara, S. 1-33771
- Gobunov, B.N., Nikitin, R.A. Binary reversible counter with difference-type control elements 1-50507
- Gocht, D. *see* Kern, J. 1-30955
- Gociek, S. Experiences with fire protection of cable distribution systems in the TZ metallurgical plant 1-30716
- Gockler, H. Principles and applications of digital filters in communications systems 1-29155
- Gockler, H. A general approach to the design of sampled-data FIR filters with optimum magnitude and minimum phase 1-32326
- Gockler, H., Eyssele, H. On the design of transversal twin filters under consideration of requirements in the frequency and time regimes 1-29192
- Godara, L.C., Cantoni, A. Uniqueness and linear independence of steering vectors in array space 1-51824
- Godbole, V., Ali, Z. Realtime spectrum analysis using a microprocessor peripheral 1-41747
- Goddard, C.T. On growth and forecasting in electronics 1-44604
- Goddard, G.C. The principle of coherence detection and its application to radar and sonar systems 1-42339
- Goddard, J.W.F., Cherry, S.M., Hall, M.P.M. Modelling attenuation on an Earth-space path using dual-polarisation radar 1-46902
- Goddard, J.W.F. *see* Cherry, S.M. 1-33334
- Goddard, R.D. *see* Dattilo, A.J. 1-29157
- Goddard, S.C. The pressurised-water-reactor generating station proposed for Sizewell 'B' 1-30887
- Goddard, V.W. *see* Fitzpatrick, J.R. 1-31643
- Godde, E., Kuipers, H.-W. Energy transport using pipeline transport of coal in methanol 1-53160
- Godejahn, G.C., Jr. *see* Khan, M.K. 1-46312
- Godfrey, B.B. *see* Miller, R.B. 1-48397
- Godfrey, B.B. *see* Sullivan, D.J. 1-48407
- Godfrey, D.M. Designer's guide to safety in pressure measurement 1-48263
- Godfrey, L.A., Garside, B.K. Optimal design of ultrafast photodetectors for the visible and near-IR: one approach 1-52486
- Godfrey, R.F. *see* Fox, S. 1-40955
- Godfrey, T.E., Clark, W.M. Boresighting of airborne laser designator systems 1-48794
- Godier, I. Maximizing the spectrum efficiency of digital radio-relay systems 1-42172
- Godin, A. *see* Abdalla, M.I. 1-41022
- Godlewski, J., Krasniewski, A. Microcomputer-controlled concentrator unit of electronic exchange CITEDIS 1-37823
- Godlewski, P. Non-synchronizing sequences in convolutional codes 1-33523
- Godlove, T.F., Herrmannfeldt, W.B. Heavy-ion beams for inertial fusion 1-38368
- Godone, A. *see* De Marchi, A. 1-48195
- Godwin, M.P., Whitaker, A.J.T., Bennett, J.C., Anderson, A.P. Microwave diagnostics of the Chilbolton 25 m antenna using the OTS satellite 1-41368
- Godwin, R.P. *see* Carlson, R.L. 1-51347
- Goebel, F., McDonald, R.C., Marincic, N. Performance characteristics of the Minuteman lithium power source 1-30527
- Goebel, F. *see* Eberts, K. 1-38701
- Goebell, J. A new method for the repair of the outer coverings of flexible cables 1-30780
- Goeddel, T.W., Bass, S.C. Complex voice generation for digital instruments [electronic music] 1-47848
- Goedhals, A.B. *see* Hanrahan, H.E. 1-33863
- Goel, A.L., Soenjoto, J. Models for hardware-software system operational-performance evaluation 1-44751
- Goel, P. Method of optimized test pattern generation for logic circuits 1-27421
- Goel, P., Rosales, B.C. PODEM-X: an automatic test generation system for VLSI logic structures 1-47931
- Goel, R.C., Bhattacharyya, M. Harmonic power and its use for self excitation or synchronous machines for achieving increased reliability 1-53412
- Goel, R.C. *see* Bhattacharyya, M. 1-49458
- Goel, R.P. An analysis of press-fit pin technology 1-47577
- Goel, T.C. Dynamic concept in electricity tariff formulation 1-43576
- Goela, J.S. *see* Nebolsine, P.E. 1-38563
- Goeldner, R. *see* Leonhardt, J.W. 1-31473
- Goell, E. *see* Dworkin, L. 1-37927
- Goemans, P.A.F.M., Hamers, L.K., Rakels, J.H., Schot, J.A. Electric currents in magnetic levitation systems 1-49762
- Goethals, J.-M., Huguet-Rotger, L. Coset coding 1-33542
- Goethe, P.K. *see* Bowers, G.H. 1-35214
- Goethem, D. Van *see* Van Goethem, D.
- Goetze, A.J., Painchaud, H.W., Searcy, S.R. A computer controlled laboratory model of a three-area, tie-line power flow system 1-43516
- Goff, L.E. *see* Rook, M.J. 1-43792
- Goff, S. Hermitian function matrices which commute with their derivative 1-39478
- Goffaux, R. The physical mechanisms responsible for the thermal disruption of solid non-homogeneous thin insulating materials 1-28168
- Goffe, R.A. *see* Kelly, J.F.D. 1-34263
- Goffe, W. *see* Reinis, G. 1-46845
- Goforth, R.E. *see* Hough, C.L., Jr. 1-44940
- Gogela, J. The improved TR161 and TR164 series of accurate thin film resistors 1-50699
- Gogin, N.D. Adamar transformation and increasing signal scale 1-29146
- Gogisvanidze, T.G. *see* Bandzeladze, A.E. 1-34316
- Gogiya, A.I. *see* Sementsov, A.N. 1-35984
- Gohar, Y. *see* Baker, C.C. 1-35016
- Gohar, Y.A. *see* de Paz, J.F. 1-30915
- Gohberg, I. *see* Dym, H. 1-39476
- Gohil, B.S. *see* Pandey, P.C. 1-46885, 1-52944
- Gohler, G. Automation at the Markersbach pumped-storage power station 1-53308
- Goikhan, V.M. *see* Kuznetsov, B.A. 1-53075
- Going, T.C.H. A very high efficiency DC to DC inverter, optimised for supplying high voltages in battery operated equipment 1-50413
- Goji, T. *see* Uwabu, T. 1-44215
- Gokan, H., Esho, S. Pattern fabrication by oblique incidence ion-beam etching 1-32772
- Gokan, H., Esho, S. Pattern profile control utilizing shadowing effect in oblique ion-beam etching 1-50885
- Gokan, H., Esho, S. A gap reduction technique for obtaining submicron geometries utilizing redeposition effect [and application to bubble memory] 1-50886
- Gokan, H. *see* Urabe, S. 1-36793
- Gokarn, R.S. *see* Sankaran, A. 1-34644
- Gokhman, A. *see* Chang, G.C. 1-31494
- Gokiel, B. *see* Sokolowski, M. 1-35967
- Goknar, I.C. *see* Newcomb, R.W. 1-32151
- Gol, O. Induction machines for traction 1-35466
- Golab, S. *see* Ciszek, M. 1-28295
- Golabek, J. Some metrological properties of an annular Venturi tube 1-52602
- Golabi, K., Scherer, C.R., Chin Fu Tsang, Mozumder, S. Optimal energy extraction from a hot water geothermal reservoir 1-43823
- Golan, P. A simple reliability model of memory systems with safety codes 1-50479
- Golanski, A. *see* Villepelet, B. 1-40504

- Golbig, W.**, Schaffer, K. The VEMoDUR winding insulation with flexible foil mica insulating materials for electric machines of medium and heavy duty 1-31185
- Golceff, B.V.** *see* Kieffer, J. 1-34511
- Gold, B.** Experiments with a pattern-matching channel vocoder 1-37445
- Gold, M.P.** *see* Conduit, A.J. 1-33030
- Gold, R.B.** *see* Leitoila, A. 1-27922
- Gold, R.B.** *see* Maclean, D.J.H. 1-40234
- Gold, R.B.** *see* Nissim, Y.I. 1-32700
- Gold, R.S.** Liquid crystal light valve projector shipboard use 1-38139
- Gold, S.H.** *see* Bettis, J.R. 1-51496
- Goldberg, B.G.** Code-division multiplexing by frequency-shifted biphasic-modulated M-sequences 1-33697
- Goldberg, J.L.** *see* Kelly, F. 1-52450
- Goldberg, L.**, Dandridge, A., Miles, R.O., Giallorenzi, T.G., Weller, J.F. Noise characteristics in line-narrowed semiconductor lasers with optical feedback 1-51455
- Goldberg, L.**, Taylor, H.F., Weller, J.F. Time-dependent thermal effects in current-modulated semiconductor lasers 1-46730
- Goldberg, M.**, Alvo, M. Classification of volume distributions of blood cells by a weighted  $\chi^2$  goodness-of-fit test 1-44842
- Goldberg, M.** *see* Alvo, M. 1-38574
- Goldberg, M.** *see* Behrend, H.-J. 1-43229
- Goldberg, M.** *see* Bridges, D. 1-43234
- Goldberg, M.** *see* Brody, A. 1-34436
- Goldberg, M.J.** Monolithic CMOS phase-locked-loop IC 1-36151
- Gol'dberg, R.D.** *see* Meshcherskii, N.N. 1-42639
- Golberger, A.** A designer's review of data communications 1-51950
- Goldburg, W.I.** *see* Kumar, A. 1-50630
- Golden, A.J.** *see* Lorig, T.S. 1-32359
- Golden, J.**, Kapetanios, C.A., Pasour, J.A., Mahaffey, R.A. The generation and application of intense pulsed ion beams 1-52652
- Golden, J.P.** Terrain contour matching (TERCOM): a cruise missile guidance aid 1-48800
- Goldenberg, L.M.**, Matyushkin, B.D., Polyak, M.N. Digital couplers (transmultiplexers) in communications systems 1-37811
- Goldermann, R.** Monitoring of communication lines in a teletype and data transmission office by means of microcomputer systems 1-29376
- Gol'dfarb, L.N.** *see* Lozovoi, B.S. 1-35541
- Goldfinch, A.J.** Prototype class 210 diesel-electric multiple unit trains for British Railways 1-49752
- Goldfinger, A.D.** The drag balance: an apparatus for studying atmosphere-satellite surface interactions 1-34714
- Goldhar, J.**, Murray, J.R. Pump intensity averaging and nondegenerate four-wave mixing effects in a backward Raman amplifier using multiple pump beams 1-51527
- Goldhirsh, J.** Correlation of slant path ice depolarization events at 28.56 GHz with radar reflectivity structure and the determination of ice depolarization statistics for Wallops Island, Virginia 1-46900
- Goldhor, R.S.**, Lund, R.T. University to industry advanced technology transfer 1-31824
- Goldie, H.** *see* Patel, S.D. 1-47733
- Gol'din, A.D.** *see* Nikol'skii, V.V. 1-28966
- Gol'din, F.** *see* Fisher, A. 1-48403
- Gol'din, G.N.** *see* Baryshev, V.I. 1-49279
- Gol'din, L.L.** *see* Alexeev, N.N. 1-48471
- Gol'din, L.L.** *see* Bol'shakov, A.E. 1-30291
- Gol'din, M.L.**, Virnik, F.V. Determining optimum conditions in measurement by gamma quantum attenuation method 1-48683
- Goldman, A.M.** *see* Epstein, K. 1-48143
- Goldman, A.W.** Selection of generator stepup transformer ratings 1-44164
- Goldman, B.A.**, Kilty, R.S., Johnston, J.J. Installation testing with software systems. I. Development of test software 1-37833
- Goldman, D.T.** The metric system: its status and future 1-42503
- Goldman, I.B.** Differential thermal analysis as an aid to solder flux characterization 1-32521
- Goldman, L.** *see* Kacenjjar, S. 1-43252
- Goldman, L.H.**, Schneider, G. An in-situ neutron activation analysis system for assaying metal ores 1-38454
- Goldman, M.** Corona discharges and their applications 1-32529
- Goldman, M.V.** *see* Perkins, F.W. 1-46876
- Goldman, R.J.** Pay television as a mode of distribution for science programming 1-47821
- Gol'dmann, D.**, Solonenkin, A.A. Unsynchronized autoreclosure of large induction motors 1-53431
- Goldmann, L.S.** Thermally enhanced single-chip module 1-44706
- Goldmann, L.S.** Four-point for peripheral brazed pins 1-48044
- Goldmann, L.S.** *see* Fredriks, R.M. 1-27709
- Goldobin, I.S.**, Kurnosov, V.D., Luk'yanov, V.N., Semenov, A.T., Sapozhnikov, S.M., Shelkov, N.V., Yakubovich, S.D. Investigation of a two-component injection heterojunction laser 1-37147
- Goldoni, Z.**, Boldorini, R. Variable speed drives for pumps and ventilators 1-49726
- Gol'dort, V.G.**, Om, A.E. Frequency stabilization system for lasers 1-37188
- Goldrick, M.R.** *see* Taylor, G.N. 1-27713
- Goldsberry, F.L.** Geopressure-geothermal energy conversion: the supercritical propane cycle for power generation 1-49319
- Goldsmid, H.J.**, Davies, K.E., Papazian, V. Probes for measuring the thermal conductivity of granular materials 1-52468
- Goldsmith, D.L.** *see* Bollobas, B. 1-44920
- Goldstein, A.D.** Two-or-more detector circuit 1-36190
- Goldstein, B.**, Redfield, D., Szostak, D.J., Carr, L.A. Electrical characterization of solar cells by surface photovoltage 1-53615
- Goldstein, B.** *see* Dresner, J. 1-46604
- Goldstein, B.A.**, Wierner, W.R. Acoustic analysis of the Sonic Guide 1-52802
- Goldstein, D.** *see* Levine, M. 1-31694
- Goldstein, D.J.** *see* Robinson, K. 1-48676
- Goldstein, J.C.**, Czuchlewski, S.J., Nowak, A.V. Saturation of hot CO<sub>2</sub> by short 10.6  $\mu$ m laser pulses 1-41138
- Goldstein, J.C.** *see* Newnam, B.E. 1-51314
- Goldstein, M.**, Jacobs, M.E., Suozzi, J.J. Worth of a watt—further insights [central office supplies economics] 1-42089
- Goldstein, N.P.**, Chen, C.L., Todt, W.H. Gamma-sensitive self-powered detectors and their use for in-core flux-mapping 1-34458
- Goldstein, S.A.** *see* Martin, T.H. 1-48297
- Goldstein, Y.** *see* Abeles, B. 1-49670
- Goldstine, J.** *see* Jones, L.P. 1-39578
- Gole, A.M.**, Menzies, R.W. Analysis of certain aspects of forced commutated HVDC inverters 1-44201
- Gole, J.L.** Aspects of sparsely studied gas phase chemistry of import to the energy technologies 1-53694
- Gole, P.**, Dautriche, M., Hamelin, J., Mon, J.-P., Ramat, P., Vernet, M. Radar and atmospheric electricity measurements associated with microwave attenuation and cross-polarization observed on a slant path 1-28899
- Golebiowski, J.**, Lipinski, W. Analysis of dynamics of electromagnetic shield of spherical symmetry 1-28846
- Golecki, I.**, Kinoshita, G., Paine, B.M. Furnace and CW Ar laser induced solid-phase epitaxial regrowth of SOS films implanted with Si, Si+B, P and P+B ions 1-39805
- Golenetskii, S.P.**, Zaletin, V.M., Protasov, I.I., Dudarev, A.T. Possibility of using semiconductor detectors based on epitaxial gallium arsenide in X-ray radiometric analysis 1-30385
- Goles, R.W.**, Brauer, F.P. An automated krypton-85  $\gamma$ -ray stack monitor 1-34548
- Gol'fel'd, G.B.** *see* Shiloma, A.M. 1-47222
- Golikova, O.A.** *see* Andreev, A.A. 1-32666
- Golin, J.**, Nordquist, P. Rural satellite earth stations 1-29709
- Golja, B.**, Nassibian, A.G., Cohen, D. Proton-induced X-ray emission studies of generation impurities in silicon 1-27786
- Golja, B.** *see* Nassibian, A.G. 1-50932
- Golkin, D.V.** Characteristics of space-time processing by a moving radar with a long coherent integration of signals 1-47212
- Goll, J.H.** A SAW convolver-based spread spectrum communications subsystem 1-29614
- Goll, J.H.** Dispersion in acoustoelectric convolvers: a time domain model 1-32935
- Goll, J.H.**, Malocha, D.C. An application of SAW convolvers to high bandwidth spread spectrum communications 1-37488
- Goll, J.H.** *see* Wagers, R.S. 1-32932
- Gollan, B.** Perturbations in nondifferentiable optimization problems 1-44953
- Gollmann, D.** *see* Bichl, I. 1-33509
- Gollnick, D.**, Heckert, R., Ilse, H., Seidel, D. Control of data transmission between data processing installations remotely connected in star fashion 1-33819
- Gollnitz, M.** *see* Frosch, P. 1-38274
- Golmayo, D.** *see* Briones, F. 1-37014
- Golodnikov, A.N.** A method of solving certain stochastic problems with partially defined distribution function 1-35831
- Golomb, S.W.** A selective update on shift register sequences 1-33528
- Golosoman, B.S.** *see* Otto, R.G. 1-41693
- Golosov, A.O.**, Tulovskij, V.N., Calenko, M.S. Optimization tasks in tolerance spaces 1-35851
- Golovach, E.A.**, Ivanov, V.A., Popov, B.S., Freiberg, V.G. Mathematical modelling of a system comprising a boiling-water reactor, a turbine and a generator 1-38855
- Golovachev, V.A.** *see* Arson, A.G. 1-35230
- Golovanov, L.B.**, Mazarskii, V.L., Tsvinev, A.P. Cryogenic hydrogen-helium target with a large aperture 1-30307
- Golovanov, N.**, Hurdubetiu, S. Characteristics of high-voltage overhead electric lines with several circuits for permanent (invariant) operation 1-49130
- Golovanov, O.A.** *see* Nikol'skii, V.V. 1-41279
- Golovanov, V.E.** *see* Vorob'ev, V.A. 1-36011
- Golovanov, V.F.** *see* Artyushenko, V.G. 1-28421
- Golovanov, Yu.A.**, Ermakov, O.N., Sushkov, V.P. Light emitting p-n structures based on In<sub>1-x</sub>Ga<sub>x</sub>P solid solutions 1-41029
- Golovanova, S.I.** *see* Vorob'ev, V.A. 1-36011
- Golovin, E.S.** The reliability of mobile radio systems with polarization-diversity reception 1-42200
- Golovin, E.S.** *see* Bulanda, G.I. 1-42201
- Goloviznin, V.M.**, Samarskii, A.A., Favorskii, A.P. Variational principles of deriving the equations of magnetohydrodynamics in mixed Euler-Lagrange variables 1-44796
- Golovner, T.M.** *see* Bordina, N.M. 1-28580
- Golt'sman, E.R.**, Ponomarev, D.P. Electric loads on contacts of AC control circuits 1-31390
- Goltstein, G.A.M.** *see* Diekmann, A. 1-28492
- Golub, G.H.**, Luk, F.T., Overton, M.L. A block Lanczos method for computing the singular values and corresponding singular vectors of a matrix 1-39671
- Golub, M.A.**, Zhivopistsev, E.S., Karpeev, S.V., Prokhorov, A.M., Sisakyan, I.N., Soifer, V.A. Obtaining aspherical wave fronts with computer holograms 1-41168
- Golubchik, E.M.**, Lozovik, T.A., Koshechko, L.G., Lugovikh, Yu.M. Carrier injection and extraction at germanium and silicon surfaces during cementation 1-27968
- Golubentsev, A.F.**, Davidovich, M.N. One-dimensional single-speed theory of noise in an electron beam 1-46839
- Golubev, A.A.** *see* Barabash, A.S. 1-30320, 1-52669
- Golubev, A.A.** *see* Gasiev, A.G. 1-37076
- Golubev, A.S.**, Verevkin, V.M., Pavros, S.K. Acoustic system of a flow detector when testing plates by the immersion method of the echo transmission method 1-36004
- Golubev, A.S.** *see* Abbakumov, K.E. 1-36002
- Golubev, G.F.** Results of the experimental investigation of the controlled starting system of diesel-trains 1-31554
- Golubev, G.K.**, Khas'minskii, R.Z. Estimation in Gaussian white noise using a finite number of linear statistics 1-44884
- Golubev, N.F.**, Latsyhev, A.V. Investigation of electrical properties of palladium-doped germanium 1-32625
- Golubkov, G.E.**, Savel'eva, L.N., Pital, Yu.S., Minein, V.F. Properties of epoxy compounds at cryogenic temperatures 1-32910
- Golunov, V.A.** *see* Andreyev, G.A. 1-33355
- Golyaev, Y.D.**, Evtyukhov, K.N., Kaptsov, L.N. Uniaxial generation in YAG:Nd<sup>3+</sup> continuous ring laser with nonplanar resonator 1-33250
- Golyamina, E.M.** *see* Belenov, E.M. 1-51110
- Gombar, A.** *see* Caulton, M. 1-46107
- Gomes Martins, A.** *see* Traca de Almeida, A. 1-49200
- Gomez, G.** *see* Jacard, B. 1-47035
- Gomez, R.S.**, Scaccia, R.J. Compression buffer 1-45378
- Gomi, J.**, Yoneyama, T., Nishida, S. Analysis of tube-contacted slab waveguide at millimeter wavelengths by the series expansion WKB method 1-41280
- Gomi, M.**, Uchino, K., Abe, M., Nomura, S. Bistable optical device using the electrostrictive displacement transducer 1-40964
- Gomi, T.** *see* Noda, N. 1-38762
- Gomis, J.P.** A French industrialist's view of strategy for cost reduction 1-53665
- Gommlich, H.** Metering technology in the data transfer networks of energy supply concerns 1-43803
- Goncharenko, A.A.** *see* Kravchenko, V.F. 1-37367
- Goncharov, A.V.** *see* Petrova, A.P. 1-46541
- Goncharov, V.I.** *see* Vainberg, E.I. 1-45148
- Goncharova, N.I.** *see* Vaganov, V.I. 1-30089
- Goncharuk, E.S.**, Marchenko, B.G., Myslovich, M.V., Osadchii, E.P. Linear RLC-noise model in problems of statistical modelling of electric machine assembly operation 1-44029
- Gonczy, J.** *see* Wang, S.-T. 1-28377
- Gondarev, V.P.** Methods of one-dimensional superimposition of one-dimensional distributions 1-52319
- Gonfrève, P.** What does spatial teledetection give us? 1-52929
- Gong, E.Y.** *see* McMaster, W.H. 1-39684
- Gong, J.**, van Vliet, K.M., Sutherland, A.D., Chenette, E.R. Noise measurements on photo avalanche diodes 1-28582
- Gong, K.** *see* Nebenzahl, L. 1-33321
- Gong, K.F.** *see* Lindgren, A.G. 1-37556
- Gong Guang-yuan** *see* Lin Shao-chi 1-28616
- Gong Jishu**, Zheng Baozhen, Zhuang Weihua, Xu Zongying. Laser annealing of Zn-implanted GaAs and laser alloying of ohmic contacts on GaAs 1-32634
- Gong Zhong-lin** *see* Zhou Le-zhu 1-28607

- Gong-qiang Liu *see* Liu Gong-qiang  
 Gongpan Li *see* Li Gongpan  
 Gonin, S.R.G. Corporate finance necessary for engineering firms 1-49904  
 Gonnard, P. *see* Eyraud, L. 1-40741  
 Gonnert, R. *see* Galand, D. 1-48987  
 Gonsalves, R.A. Phase coded imaging 1-37657  
 Gonsalves, R.A., Johnson, G.R. Image compression with approximate transform implementation 1-37656  
 Gontar, I.M. Noise matching of induction-type magnetic field sensors using transistorized preamplifiers under aperiodic conditions 1-38181  
 Gontier, V. *see* Fougeron, C. 1-48378  
 Gontowski, W.S. High-voltage, semi-custom component arrays 1-40694  
 Gonzalez, F.I. *see* Thompson, T.W. 1-52940  
 Gonzalez, F.N., Neugroschel, A. Design of quasi-grain-boundary-free (QGBF) polycrystalline solar cells 1-39123  
 Gonzalez, H. *see* Perez Ferreira, E. 1-42853  
 Gonzalez, J. *see* Redondo, F. 1-34356  
 Gonzalez, J.L. Gutierrez *see* Gutierrez Gonzalez, J.L.  
 Gonzalez, R.C. *see* Woods, R.E. 1-29183  
 Gonzalez, R.L. The optimal generation of sinusoidal waves 1-39971  
 Gonzalez, V.H. *see* Rino, C.L. 1-33353  
 Goo, E.K.W., Mishra, R.K., Thomas, G. Electron microscopy study of the ferroelectric domains and domain wall structure in  $\text{PbZr}_{0.52}\text{Ti}_{0.48}\text{O}_3$  1-40744  
 Gooch, D.J. *see* Millar, C.A. 1-40950  
 Gooch, R.P. *see* Widrow, B. 1-37603  
 Good, B.J. *see* Calva, J.R. 1-36191  
 Good, E. *see* Bosch, M.A. 1-32755  
 Good, J.L. *see* Noble, L.D. 1-53192  
 Good, R.K. *see* Le Good, R.K.  
 Goodale, D.B., Reagan, P., Miskolcay, G., Lieb, D., Huffman, F.N. Combustion performance of CVD silicon carbide thermionic diodes 1-31480  
 Goodall, A. *see* Calver, D.W. 1-42260  
 Goode, J.J. *see* Bazaraa, M.S. 1-44944  
 Goodenough, S.J., Mills, T.M. On interpolation polynomials of the Hermite-Fejer type. II 1-32013  
 Goodfellow, R.C., Carter, A.C., Rees, G.J., Davis, R. Radiance saturation in small-area  $\text{GaInAsP/InP}$  and  $\text{GaAlAs/GaAs}$  LEDs 1-33152  
 Goodfellow, R.C., Harding, M., Carter, A.C., Davis, R. Buried heterostructure 1.3- $\mu\text{m}$  lasers with multiple layer infill 1-37169  
 Goodhue, W.D. *see* Waldman, J. 1-47724  
 Goodkin, E.M., Mossman, P., Peachey, C.J. A 160 Mbit/s asynchronous optical data link for transmission of studio quality optical television 1-42264  
 Goodman, A.L. *see* Budde, D.L. 1-32313  
 Goodman, D. Tune in with Morse and RTTY decoders 1-51925  
 Goodman, D.M. Fibre optics for local data communications 1-29477  
 Goodman, D.M. Quadrantal symmetry conditions and their use in the design of two-dimensional filters 1-36263  
 Goodman, J.M. The environment and Earth-space propagation—challenges for the future 1-46887  
 Goodman, J.R. *see* Upton, H.W. 1-48826  
 Goodman, J.W., Rawson, E.G. Statistics of modal noise in fibers: a case of constrained speckle 1-46532  
 Goodman, J.W. *see* Hansen, E.W. 1-30423  
 Goodman, J.W. *see* Rawson, E.G. 1-33056, 1-51211  
 Goodman, J.W., Ross, M. (editor) Laser applications. Vol.4 1-49863  
 Goodman, K., Zurada, J. Frequency limitations of programmable active biquadratic filters 1-40105  
 Goodman, K.A. *see* Smith, J.R. 1-44414  
 Goodman, M. Calibration circuit avoids matching optical sensors 1-34280  
 Goodman, M.S., Denis, G., Hall, M., Karpovsky, A., Wilson, R., Gabriel, T.A., Bishop, B.L. Liquid argon as an electron/photon detector in the energy range of 50 MeV to 2 GeV: a Monte Carlo investigation 1-34447  
 Goodman, P.O. *see* Folz, D.J. 1-53281  
 Goodman, R.M.F., Winfield, A.F.T. Soft-decision minimum-distance sequential decoding algorithm for convolutional codes 1-37425  
 Goodnick, S.M., Fathipour, M., Ellsworth, D.L., Wilmsen, C.W. Effects of a thin  $\text{SiO}_2$  layer on the formation of metal-silicon contacts 1-50893  
 Goodrich, D.W. Using VLSI to overcome the Winchester interface jungle 1-27461  
 Goodrich, J.M. *see* McIntyre, R.L. 1-34764  
 Goodrich, R.A., Lengerman, L.H., Pesch, J.A. Magnetic force resistance weld head unit 1-39232  
 Goodrich, R.A. *see* Chladek, T.G. 1-46407  
 Goodridge, E.R. Independent test houses 1-31857  
 Goodridge, E.R. Mass lamination [multilayer PCB fabrication] 1-36401  
 Goodwin, A.R. *see* Davies, I.G.A. 1-51294  
 Goodwin, E.J., DiGiovio, A.M., Power, B.A., Davenport, A.G., Davidson, H.L. Probability-based wind loadings for the design of transmission line structures 1-34901  
 Goodwin, E.J., III, Davenport, A.G., Davidson, H.L., DiGiovio, A.M., Jr., Power, B.A. Probability-based wind loadings for the design of transmission line structures 1-43734  
 Goodwin, G. *see* Seastrom, B. 1-39979  
 Goodwin, G.C. *see* Hoang, D.B. 1-29044  
 Goodwin, M.W. *see* Seiler, D.G. 1-46620  
 Gooi, H.B., Hill, E.F., Mobarak, M.A., Thorne, D.H., Lee, T.H. Coordinated multi-machine stabilizer settings without eigenvalue drift 1-49261  
 Gool, W. Van *see* Van Gool, W.  
 Goom, V. 'Helford' HF SSB transceiver. V 1-29645  
 Gooss, W. Readditivation of the turbine oils used in turbogenerator operation 1-49407  
 Goossens, J.F., Calvaer, A.J., Soenen, L.J. Full scale short circuit and other tests on the dynamic torsional response of Rodenhuize NR 4-3000 MW-3000 rpm turbogenerator. II. Test and postcomputed results—electrodynamics damping analysis elementary fatigue study 1-53362  
 Goovaerts, H.G., Meekes, M.A.M. Accurate isolated and microprocessor-controlled current source for a wide range of applications [in biology] 1-42523  
 Gopal, K., Rai, S., Aggarwal, K.K., Gupta, J.S. Reliability education in India—present and future 1-35576  
 Gopal, T.V. *see* Bapeswara Rao, V.V. 1-34952  
 Gopal, V. Measurement of carrier concentration by IR reflectance. Si and GaAs 1-32608  
 Gopalan, M.N., Natesan, J. Stochastic behaviour of a 1-server n-unit system subject to general repair distribution 1-50055  
 Gopalan, M.N., Natesan, J., Dharmadhikari, A.D. s-expected number of repairs and frequency of failures of a n-unit system with a single repair facility 1-50054  
 Gopinath, B. *see* Foschini, G.J. 1-47086  
 Gopinath, B. *see* Kaufman, L. 1-33699  
 Gora, T., Komorowski, J. Rectifier unit for internal combustion engine starting battery electric aggregate 1-31609  
 Gorbachev, B.V. *see* Kitayev, V.E. 1-45276  
 Gorbachev, G.Ya. *see* Klakubov, A.G. 1-46597  
 Gorbatshev, S.V., Krasnov, K.A., Mazurov, V.-. Precision comparator for measuring in the range 1-10 mV 1-30218  
 Gorbics, S.G., Nash, A.E., Johnson, T.L. Use of an albedo neutron personnel dosimeter for X- and  $\gamma$ -ray monitoring 1-52822  
 Gorbunov, A.I. *see* Voloshina, V.I. 1-36009  
 Gorbunov, V.I., Startseva, L.V. Potential use of linear-difference filters for flaw detection 1-36016  
 Gorbunova, G.Yu., Gorin, B.N. Recording corona discharge currents on Ostankino television tower 1-43765  
 Gorbuntsov, A.F. *see* Kolesnikov, E.V. 1-44146  
 Gorbuntsov, A.F. *see* Voro'bev, V.V. 1-44144  
 Gordeev, B.N. *see* Ryaben'kii, V.M. 1-34864  
 Gordeev, E.M. *see* Ganichev, V.A. 1-38418  
 Gordeev, V.I. A correlation resonance method of equalisation of load group diagrams 1-34751  
 Gordeev, V.I. *see* Avilov-Karnaukhov, B.N. 1-43629  
 Gordeev, V.N. Simple method of solving an auxiliary quadratic programming problem 1-50220  
 Gordeyev, L.S. Errors due to quadrupling the carrier frequency in FM magnetic recording 1-40815  
 Gordienko, N.I. *see* Kozlov, M.I. 1-36084  
 Gordon, A.C. Requirements for navigation and guidance 1-42358  
 Gordon, C. *see* DeCarlo, R. 1-45175  
 Gordon, E.B., Nalivaiko, S.E., Pavlenko, V.S. Pulsed chemical  $\text{CS}_2\text{-O}_2$  photoinitiation laser utilizing overtone transitions ( $\Delta v=2$ ) of the CO molecule 1-37080  
 Gordon, H. *see* Botner, O. 1-34444  
 Gordon, H.A., Palmer, R.B., Smith, S.D. New ideas in calorimetry 1-43224  
 Gordon, J.L. Data store by running average 1-30033  
 Gordon, J.T., Jr., Reaugh, J.E. Strain-rate effects on turbine missile casing impact 1-45018  
 Gordon, K.S., Sladen, F.M.E. Difficulties encountered in the measurement of optical fiber interconnection performance 1-28500  
 Gordon, M. Artifacts created by imbalanced electrode impedance 1-38507  
 Gordon, M.M., Marti, F. Electric focusing in cyclotrons with unusual dees 1-48451  
 Gordon, M.M. *see* Marti, F. 1-42824  
 Gordon, N.T. Electroluminescence by impact excitation in  $\text{ZnS:Mn}$  and  $\text{ZnSe:Mn}$  Schottky diodes 1-33160  
 Gordon, S.A., Logozinskii, V.N., Novikov, A.G. Experimental investigation of nonreciprocal effects in a glass fiber ring interferometer 1-28480  
 Gordon, W.B. *see* Cantrell, B.H. 1-33997  
 Gorecki, F.D. *see* Meditch, J.S. 1-29444  
 Gorenok, A.T., Zhigarev, M.Z., Mamutin, V.V., Tibilov, V.K., Usikov, A.S. High-efficiency heterophotodiodes of  $\text{InGaAsP-InP}$  in the spectral range 1.0-1.6 microns 1-28574  
 Gorenok, A.T. *see* Bert, N.A. 1-27792, 1-39779  
 Gorelik, A.Kh., Ducl, M.A., Rozenbaum, I.D., Solodovnikov, V.N. A system for optimising the combustion process for the boiler of an 800 MW power generating plant 1-31034  
 Gorelik, M.S. ADCSMA—array driven channel sensed multiple access protocol for computer communication 1-29447  
 Gorenstein, P., Harnden, F.R., Jr., Fabricant, D.G. In orbit performance of the Einstein Observatory HEAO-2 imaging proportional counter 1-34472  
 Goretzki, J.A., Hedman, R.L., Ho, J.P.L., LePage, J.D., Mitby, J.S. Detector for eliminating readback errors from disk file 1-36296  
 Goreva, G.S. *see* Bruer, G.G. 1-49282  
 Gorfinkel, V.B., Levinshstein, M.E. Current-voltage characteristic of a two-valley semiconductor in a transverse magnetic field 1-32645  
 Gorga, K.J. *see* Farrell, W.R. 1-40046  
 Gorgellino, F. *see* Cocito, M. 1-46036  
 Gori, M. *see* Chiarini, F. 1-52167  
 Gorin, B.N. *see* Gorbunova, G.Yu. 1-43765  
 Gorin, E.A., Erofeichev, V.G. Formation of the surface photo-EMF of indium antimonide at high excitation rates 1-33117  
 Gorin, J.M. Noise reduction techniques [audio equipment] 1-29929  
 Gorin, J.M. Hi-fi noise filter/range expander 1-34141  
 Gorin, J.M. Noise reduction techniques 1-38063  
 Gorin, J.M. Hi-fi noise filter/range expander. II 1-52295  
 Gorina, Yu.I. *see* Aleksandrov, O.V. 1-50808  
 Goris, A.C., Gibson, J.D. Incremental tree coding of speech 1-51799  
 Gorislavets, Yu.M., Borisov, B.P., Volchenko, S.A., Vitchinnikov, A.S. Study of the influence of feed systems of submerged-resistor induction furnaces on their electromagnetic characteristics 1-49804  
 Gorka, K. Economic effectiveness of small hydro-power stations 1-38914  
 Gorkunov, E.S. *see* Mikheev, M.N. 1-36000  
 Gorlei, P.N. *see* Gavaleshko, N.P. 1-32626  
 Gorlina, L.P. *see* Zaez, H.E. 1-35114  
 Gorlov, A.M. Hydrogen as an activating fuel for a tidal power plant 1-49336  
 Gorlov, Yu.I. *see* Starchik, L.P. 1-53856  
 Gorman, F.B. The hurdles to long focal length, high altitude standoff photography 1-48899  
 Gorman, J.C. *see* Greenwood, J. 1-44290  
 Gorman, M.R. *see* Theodorou, E.A. 1-41391  
 Gornall, W. *see* Clark, W. 1-46704  
 Gorobets, A.P. *see* Anikin, V.I. 1-51205  
 Gorobets, N.N. *see* Voloshin, V.A. 1-37368  
 Gorobets, N.N., Glemba, N.N., Semenyuk, K.K., Prostebi, L.I. Device for checking the efficiency of thermocouples 1-42601  
 Gorodetskii, S.M., Iordanisvili, E.K., Kasymakhu-nova, A.M., Kyatkovskii, O.E. Computer calculation of efficiency of thermoelectric batteries for photothermal converters 1-31472  
 Gorodetskii, S.M. *see* Borisov, S.N. 1-49667  
 Gorodetskii, V.A., Shutov, V.N. Power losses in cooling buses of large rectifier circuits 1-39063  
 Gorodetzky, P. *see* Alard, J.P. 1-52717  
 Gorodkov, E.M. *see* Mis'kevich, A.I. 1-33189  
 Gorodkov, V.E. *see* Rakhimov, V.F. 1-50359  
 Gorog, E. Satellites and computer communications 1-29442  
 Gorog, T. *see* Harsy, M. 1-39743  
 Gorog, T. *see* Lendvay, E. 1-39784, 1-50301  
 Gorokhov, V.P., Epshtein, L.E., Perchukov, V.I., Fedin, Yu.N. Quick acting resistor optron and its use in analogue functional elements of automatic equipment 1-41014  
 Gorol, R. *see* Schneeberger, G. 1-42376  
 Gorres, J.M. *see* Lund, R.E. 1-45809  
 Gorria, J.M. *see* Dides, R. 1-31300  
 Gorshkov, V.N. *see* Vladimirov, V.V. 1-51376  
 Gorshkov, V.P. *see* Bagin, N.V. 1-45853  
 Gorshkova, E.Z., Kiyanovskiy, M.P., Poddelskiy, N.P. The mode and temporal structures of decameter signals 1-51619  
 Gorshunov, N.M. *see* Velikanov, A.G. 1-28660  
 Gorskii, B.A. *see* Khodakov, V.E. 1-53841  
 Gortsev, A.M., Pottosina, S.A. Structural adaptation of a two line queuing system with an auxiliary device 1-50040  
 Gory, G. Electronic ignition and its distribution 1-49772  
 Gos, W., Kuller, H. The microcomputer and its application on railway vehicles 1-35430  
 Gosele, U., Morehead, F. Diffusion of zinc in gallium arsenide: a new model 1-50873  
 Goserich, H. A second battery in the motor car 1-31605  
 Goshchurenko, V.I. *see* Kozlov, M.I. 1-36084  
 Goshima, S., Oka, Y., Kozawa, T., Mori, T., Takeguchi, Y., Ohno, Y. Diagnostic system for large scale logic cards and LSI's 1-47930

Goshin, G.G., Kravchenko, G.G., Myshkin, V.G. Scattering of planar electromagnetic waves by a radially conducting bicone reflector 1-33327

Gos'kov, P.I., Sapunov, A.N., Titov, V.S. Scanistor analyzer for outside dimensional tolerances of parts 1-48117

Gosling, R.G. *see* Coghlan, B.A. 1-34606

Goss, D., Werk, H.-H. Compact heat pumps for industry and trade 1-44479

Gossard, A.C. *see* Petroff, P.M. 1-45972

Gossard, A.C. *see* Stormer, H.L. 1-36500

Gossard, A.C. *see* Tsui, D.C. 1-34355

Gossard, A.C. *see* Weisbuch, C. 1-40390

Gossard, E.E., Strauch, R.G. The refractive index spectra within clouds from forward-scatter radar observations 1-46884

Gosse, B., Gosse, J.P., Tobazeon, R. Ion conduction through paper and polypropylene foils impregnated with liquid dielectric 1-28140

Gosse, J.P. *see* Gosse, B. 1-28140

Gossen, R.N. *see* Mohan Rao, G.R. 1-40696

Gosset, J. *see* Alard, J.P. 1-52717

Gossett, C.A. *see* Barker, M.D. 1-43164

Gossett, C.A. *see* Hachlerli, W. 1-43150

Gostelow, I.B. *see* Halfacree, R.S. 1-44477

Gostenkors, T. Working experiences with combined operation in the VEW power station Gersteinwerk 1-31013

Goszczynski, T., Harasimowicz, J. Charge-balancing modulator aids analog-signal isolation 1-39985

Gotanda, Y. *see* Obata, O. 1-49535

Gothe, G. The ANIK-B slim TDMA pilot project 1-29717

Gothling, A. Reliability of soldered joints of connector lugs 1-45745

Gotlib, G.I., Zagurskii, V.Ya. Parallel-series analog-digital byte converter 1-27574

Goto, H., Kawai, K., Takeuchi, T. Integrated voice-data digital switching system for in-house business communications 1-29574

Goto, H. *see* Nishitani, T. 1-51813

Goto, J. *see* Tsukamoto, M. 1-36901, 1-36935

Goto, K., Inagaki, K., Tsukamoto, M., Yoshikawa, M., Yajima, S., Iwama, K. A computer communication control technique for virtualization of network memory resources and its implementation 1-41970

Goto, M., Isono, A., Okuda, K. A method of analyzing the transient behavior of a synchronous machine connected to a multimachine power system 1-35140

Goto, M. *see* Kuwahara, H. 1-51164

Goto, N. *see* Shidara, K. 1-32571

Goto, S., Kumaki, S. New measurement methods of amplifier performance—3DA(3-dimension analysis, I/O distortion analysis and automatic measurement system 1-34196

Goto, S. *see* Jung, J. 1-32864

Goto, S. *see* Yokoyama, K. 1-32444

Goto, T. A note on the excitation mechanisms and radial profiles of the Cd(II) 441.6 nm line in the positive column He-Cd<sup>+</sup> discharge 1-28627

Goto, T., Arai, T. A note on the population densities of He excited states of  $n \geq 3$  and their contribution to the total Penning excitation rate in the positive column He-Cd<sup>+</sup> laser discharge 1-28628

Goto, T., Hane, K., Hattori, S. Competition between different excitation processes of the Cd(II)  $5s^2\ ^2D_{5/2}$  state at low discharge currents in the positive column He-Cd<sup>+</sup> laser discharge 1-28629

Goto, T. *see* Morita, Y. 1-30566

Goto, T. *see* Ohshita, Y. 1-35301

Goto, T. *see* Takasu, K. 1-37072

Goto, Y. *see* Nagoshi, H. 1-43353

Goto, Y. *see* Yoshida, J. 1-46290

Gotoda, T. *see* Ohyama, T. 1-47421

Gotoh, H., Suga, T., Suzuki, H., Kimata, M. Low temperature growth of gallium nitride 1-45091

Gotoh, K., Itoh, M. Design concepts of a digital switching system for higher performance 1-29318

Gotoh, S. *see* Sudoh, T. 1-47946

Gotoh, T. New sound localization control technology 1-34163

Gotoh, T., Kimura, Y., Yamada, A., Watanabe, K. New sound localization control system 'ambience processor' 1-34164

Gotoh, T. *see* Suzuki, K. 1-45762

Gotow, K. *see* Hargrove, C.K. 1-43237

Gotra, Z.Yu., Rykhlinkaya, S.I. Mask transparency and chromaticity uniformity of mask kinescope screen 1-42417

Gots, S.S. *see* Bakhtizin, R.Z. 1-27752

Gotszalk, R., Stadnicki, W. An adaptive signal sampling method for monitoring the operation of power units 1-38221

Gott, G.F. *see* Dutta, S. 1-46874

Gottesfeld, S. *see* Harzion, Z. 1-35333

Gottfeldt, P. *see* Ross, I.N. 1-51414

Gottfried, N.L. *see* Ahamed, S.V. 1-29591

Gotthardt, M.R. *see* Mettler, S.C. 1-36945

Gottilla, S.C. *see* Bagchi, C.N. 1-43928

Gottlieb, G. Asymptotic failure distributions 1-44876

Gottlieb, M., Brandt, G.B., Butler, J. Measurement of temperature with optical fibers 1-34388

Gottlieb, M., Feichtner, J.D., Conroy, J. Programmable acousto-optic filter—a device for multiplexed optical processing 1-28544

Gottlob, M.-P. Energy saving by compensation for reactive currents 1-43499

Gottschalk, A. *see* Hoffer, P.B. 1-34614

Gottsmann, H. *see* Wolk, C. 1-37127

Gotz, G. *see* Dvurechenskii, A.V. 1-27930

Gotzlich, J., Ryssel, H. Tapered windows in SiO<sub>2</sub>, Si<sub>3</sub>N<sub>4</sub>, and polysilicon layers by ion implantation 1-32739

Gouard, P. *see* Fleuret, N. 1-34479

Gouars, B. *see* Fichaut, J. 1-42002

Gouda, M.M. Kairo method: computationally 1-44954

Goudey, D.A. A new angle estimator for radar tracking of extended targets 1-52147

Goudie, K.M. *see* Kun-Shan Lin 1-41539

Gougerot, L., Petitclerc, T. Automation of the 'pointed circle' method for impedance measurements 1-38270

Gough, M.H. Microprocessor's part in power transmission protection 1-30802

Gough, M.H. Rotary systems for uninterruptible power supply 1-34813

Gough, M.H. Rotary no-break systems maintain power supply 1-43961

Gough, R.A. Design of a high power earth station transmitter for the band 7.9 to 8.4 GHz 1-47772

Gough, R.A. Use of a small off-line computer in the operation of a versatile heavy ion cyclotron 1-48351

Gough, R.G., Frater, R.H. Wide band multiplier correlator 1-38158

Gould, C.L. Space to benefit mankind, 1980-2000 1-52827

Gould, C.R., Haase, D.G., Clegg, T.B., Thompson, W.J. Cryogenic polarized target facility for spin-spin neutron total cross section measurements 1-43169

Gould, D. *see* Heathcote, P. 1-26947

Gould, M.C. *see* Browne, P.E. 1-26808

Gould, R.A. *see* Richter, B. 1-42876

Gould, R.G., Genant, H.K. Quantitative and qualitative comparison of two microfocus-tube imaging systems 1-30425

Gould, R.G. *see* Reinhart, E.E. 1-52204

Goulden, O.A. Market choice critical to future of electrical exporters 1-31792

Goulette, P.L. *see* Kenefic, R.J. 1-47706

Gouni, L. Energy perspectives and the electro-nuclear programme 1-53193

Gourber, J.P., Wyss, C.W. Prototypes of LEP bending magnets with steel-concrete cores 1-43089

Gourdon, J. *see* Crignon, I. 1-30947

Gourjon, R., Holler, G. AIRCAT 500 ATC systems for Australia and Mexico 1-52924

Gourvez, P., Sizun, H. Results obtained on experimental radio circuits over medium distances 1-47537

Goutte, R. *see* Jayet, Y. 1-30572

Gove, H.E. *see* Litherland, A.E. 1-48663

Gove, H.E. *see* Purser, K.H. 1-48666

Gover, A., Sprangle, P. A generalized formulation of free-electron lasers in the low-gain regime including transverse velocity spread and wiggler incoherence 1-37048

Gover, A., Sprangle, P. A unified theory of magnetic bremsstrahlung, electrostatic bremsstrahlung, Compton-Raman scattering, and Cerenkov-Smith-Purcell free-electron lasers 1-41039

Govil, A.K. Reliability of a stand-by system with common-cause failures and scheduled maintenance 1-35698

Govil, K.K. Optimum load expressions for pn junction solar cells 1-39121

Govil, K.K. Calculation of fill factor from maximum power considerations in p-n junction solar cells 1-44362

Govind, S., Ramani, K., Ramakrishna, J., Srinivasan, R., Rajagopalan, S.R., Ramesh, R. Comments on 'A programmable digital signal averager' [by Ramakrishna, J., Srinivasan, R., Rajagopalan, S.R., Ramesh, R. with their reply] 1-52351

Govinda Raju, G.R., Hackam, R. A generalized method for predicting the sparking potentials of electronegative gases 1-40738

Govorun, N.N. *see* Buklei, A.E. 1-30325

Govdy, J.N. *see* Queen, G.W. 1-39731

Gowland, L. *see* Prewett, P.D. 1-50308

Goyal, D.P. *see* Arya, N.S. 1-52720

Goyal, I.C. *see* Thyagarajan, K. 1-36962

Goyal, N.C. *see* Kekre, H.B. 1-27073

Goyal, P.K. *see* Sethi, B.R. 1-32637

Goyer, J. *see* Gillet, R. 1-31182

Goyet, R., Rioux, C. Contribution to the study of an interleaved disc reluctance machine 1-53416

Goyke, P.M. A speaking car dashboard 1-35488

Gozani, T. *see* McQuaid, J.H. 1-34547

Grabarczyk, Z. Electromagnetic hazard on aerial masts 1-30482

Grabbe, P. *see* Jackel, L.D. 1-50878

Grabbe, P. *see* Kirsch, S.T. 1-51216

Grabbe, W. *see* Zywiets, Chr. 1-48721

Grabenstatter, K. *see* Watzel, G. 1-53204

Grabhorn, E.A. Telecommunications in the 1980s—feat or famine? 1-33718

Grabowski, A., Msciwojewski, E. Static thyristor excitation and voltage control systems for large power synchronous generators 1-49425

Grabulosa, J. Battle *see* Battle Grabulosa, J.

Grace, D.J. How one contractor uses a microcomputer 1-49945

Grace, P.C. The evolution of a high level language for LSI device modelling 1-28073

Gracewski, S. *see* Bathe, K.J. 1-39691

Grachev, I.D. *see* Gross, L.G. 1-34317

Grachyeva, I.V., Ivanov, A.I., Koltun, M.M., Naimova, G.D., Orshanskii, I.S. Selective radiometers for adjusting solar simulators 1-35392

Graczyk, J.F., Mildonian, H.A., Jr., Davis, J.R., Reilly, A.K. The retrofit application of T1D 1-29590

Gradinarov, P.G., Mladenov, S.S., Kolevska, D.G., Simeonova, S.V. Design, production technology, characteristics and parameters of Darlington optrons 1-46635

Gradi, D.A. 250 MHz CCD driver 1-32263

Gradman, A.H., Lewis, J.W., Mayer, J.L. An improved method for computer measurement of the R-R interval on the ambulatory electrocardiogram 1-48728

Graener, H., Laubereau, A. Shorter and bandwidth-limited Nd:YAG laser pulses 1-37095

Graener, R., Werner, J. Development of a microprocessor system for biomedical data acquisition 1-30402

Graf, C., Trimble, J. Multisensor image processing integration for missile guidance 1-48819

Graf, E.R. *see* Johnson, T.A. 1-42327

Graf, E.R. *see* Machuzak, R.J. 1-42314

Graf, E.R. *see* Phillips, C.L. 1-43409

Graf, E.R. *see* Tatum, M.C. 1-42319

Graf, F. *see* Bauer, W. 1-43110

Graf, P., von Thuck, W. Sensors in laser printers 1-30135

Graf, P.H. Antiope—transmission system for wide-band Videotex 1-29400

Graff, P. *see* Fichaut, J. 1-42002

Graffeuil, J. Low-frequency noise spectrum of GaAs FETs 1-40580

Graffeuil, J. *see* Azizi, C. 1-40607

Grafinger, A.B., Michon, G.J. Review of charge injection device (CID) technology [image sensors] 1-47972

Grafstrom, P. *see* Burq, J.P. 1-52679

Graham, A.K. Economic stimulation through technological innovation: maybe in the 1990s 1-31815

Graham, D., Choong, Y.C. Robot vision in automated surface finishing 1-52272

Graham, G.C. Display station's user interface is designed for increased productivity 1-38128

Graham, H. *see* Oni, B. 1-43524

Graham, H.L. *see* Walker, L.N. 1-30613

Graham, H.L. *see* Yau, T. 1-34772

Graham, I.G. The numerical solution of Fredholm integral equations of the second kind 1-50267

Graham, K.A. *see* Meyer, E.W., Jr. 1-31624

Graham, K.F. *see* Wassel, W.W. 1-34192

Graham, M. *see* Carleton, G. 1-44643

Graham, R. Improving pair gain performance 1-33891

Graham, R.L. *see* Chung, F.R.K. 1-39568

Graham, S.M. Sliding outer shunt sleeve pole piece (magnetic coupling) 1-47838

Graham, W.G. *see* Schneider, P.J. 1-38396

Grabame, R.E. The education and training of technicians for the para-professional role within industry 1-31783

Graichen, G., Graichen, H. The photoresistor; its theory, characteristics and applications 1-40242

Graichen, G., Grasshoff, P., Niksch, D. A single phase control unit for a mains quenched rectifier using the U 706 D 1-44313

Graichen, H. *see* Graichen, G. 1-40242

Grainger, J.J., Lee, S.H. Optimum size and location of shunt capacitors for reduction of losses on distribution feeders 1-30724

Grainger, J.J. *see* Lee, S.H. 1-38751

Gramada, A. *see* Chiriac, T. 1-49072

Gramagna, F. *see* Boccaccio, P. 1-38426

Gramenitsky, I.M. *see* Vasiliev, V.V. 1-48466

Grammatica, S., Mort, J. Infrared sensitive organic photoconductor 1-37000

Grammatica, S. *see* Mort, J. 1-32658, 1-45944

Gammel, S.J. *see* Pierson, E.S. 1-31471

Gammer, J.R., Forney, P.B. Lockheed sensor test facility 1-52358

Grams, T., Angermann, D. A simple method of estimating reliability quantitatively 1-31907

Gramz, M. *see* Lipinski, W. 1-41266

Gramz, M. *see* Sikora, R. 1-37260

Granatstein, V.L., Read, M.E., Barnett, L.R. Gyrotrons: using relativistic electronics to produce high power, high efficiency, millimeter-wave sources 1-40352

Granatstein, V.L. *see* Barnett, L.R. 1-40351

Granatstein, V.L. *see* Chu, K.R. 1-40350

Grand, P. *see* Takata, K. 1-48337

Grandfield, J.E. *see* Ha, T.T. 1-29057

- Grandguillot, M.**, Nolot, V., Nuez, J.P. Automatic dotting at the personalization step of a read-only storage 1-40687
- Grandia, J.** *see* Albert, P.A. 1-39813, 1-46409
- Grange, K.** The business of industrial design 1-39379
- Granger, M.** Interpolation spline functions, optimal control and filtering 1-27070
- Grankov, A.G.**, Shutko, A.M. Estimates of the efficiency with which the parameters of the sea's surface and the parameters of the atmosphere are obtained by a microwave radiometric method 1-43449
- Granlund, J.** *see* Archer, J.W. 1-50464
- Grannis, P.D.**, Jaffe, D., Marx, M.D. Low cost lead glass Cherenkov detectors 1-52696
- Granot, D.**, Huberman, G. Minimum cost spanning tree games 1-39593
- Granovskii, V.L.**, Kolomoets, N.V., Kopaev, V.G., Kuvyrkina, T.N. Optimization of the parameters of miniature thermoelectric generators 1-49711
- Granrath, D.J.** The role of human visual models in image processing 1-33625
- Grant, D.** CMOS multiplying D/As 1-32387
- Grant, D.A.** The use of ratio changing in pulse width modulated invertors 1-31522
- Grant, D.E.** Low level voltage comparator 1-40161
- Grant, I.S.**, Longo, V.J. Economic incentives for larger transmission conduits 1-53107
- Grant, I.S.**, Paulson, A.S., Presser, M.A. Phase-phase switching surge flashovers: weather correction factors [HV transmission lines] 1-34902
- Grant, I.S.**, Paulson, A.S., Presser, M.A. Phase-phase switching surge flashovers—weather correction factors 1-38773
- Grant, I.S.** *see* Paulson, A.S. 1-43797
- Grant, J.K.** *see* Cooper, L.H. 1-49533
- Grant, L.J.** Telemetry of ECG waveforms via the GPO telephone system 1-52773
- Grant, M.E.**, Gundel, W.D. An improved, versatile microcomputer system for left ventricular wall motion analysis 1-48698
- Grant, P.M.**, Tani, T., Gill, W.D., Krounbi, M., Clarke, T.C. Properties of metal/polyacetylene Schottky barriers 1-36520
- Grant, P.M.** *see* Campbell, P.A. 1-48014
- Grant, P.M.** *see* Clarke, T.C. 1-51141
- Grant, P.M.** *see* Collins, J.H. 1-37967, 1-47729
- Grant, R.** Maintenance policy within the factory 1-49954
- Grant, R.J.**, Johnson, C.G., Sturge, D.P. Performance of a Wells turbine for use in a wave energy system 1-49332
- Grant, R.W.** *see* Kowalczyk, S.P. 1-27855
- Grant, S.J.C.** Cornerstone of a multifunction workstation—electronic mail 1-47352
- Grant, W.N.** A technology updatable chip design in a latch-up free CMOS technology 1-40727
- Granville-George, D.A.**, Woods, D. Computer-controlled 6-port reflectometer for the frequency range 10 MHz to 1 GHz 1-42534
- Grappel, R.D.** Huffman codes condense text 1-47114
- Gras, M.** *see* Le Gras, M.
- Graser, U.** *see* Diehl, R. 1-48616
- Grasevich, V.N.** *see* Sokolov, M.M. 1-35414
- Grassani, E.** Thermal relays with functional memory 1-27657
- Grassani, E.** Contactor: commands and power controls heart 1-32469
- Grassani, E.** Contactors—working characteristics 1-35165
- Grasser, A.** The analysis of technical systems—an efficient aid for product development 1-49983
- Grasshoff, P.** *see* Graichen, G. 1-44313
- Grassi, A.** *see* Adorni, N. 1-38568
- Grassi, M.**, Cantarutti, S. Optoelectronic techniques contribute to industrial furnaces and steam generators combustion chambers design 1-46603
- Grassie, A.D.C.** *see* Yaraneri, H. 1-36494
- Grassl, E.** *see* Stockmann, M. 1-29749
- Grassner, H.** *see* Degn, W. 1-49634
- Grasso, G.** Simple basic materials and advanced technology. [optical fibres] 1-36889
- Grasso, R.J.** *see* Pollak, T.M. 1-46718
- Grasso, R.J.** *see* Wing, W.F. 1-46717
- Grassot, F.**, Voillaume, J.C. Low bit rate speech transmission [Vocoder system] 1-51771
- Grasyuk, A.Z.**, Karev, Yu.I., Losev, L.L., Smirnov, V.G. Hydrogen Raman laser based on rotational transitions with longitudinal nonaxial pumping by Nd laser radiation 1-51372
- Grasyuk, A.Z.**, Letokhov, V.S., Lobko, V.V. Molecular infrared lasers using resonant laser pumping 1-37077
- Grattan, K.T.V.** Calculation of gain coefficients for various phase dyes 1-46706
- Grau, G.K.** Comments on 'Index profile measurement of fibers and their evaluation' 1-36882
- Graumann, D.** *see* Baker, C.C. 1-30916, 1-35016
- Graur, A.G.** *see* Diaconescu, E.N. 1-49375
- Gravel, R.L.**, Nelson, A.R. Asymmetrical star coupler for optical fiber systems 1-51156
- Gravely, M.L.**, Mysing, J.O. The influence of smart computers on the cockpit of the future 1-52895
- Graves, J.** *see* Lukens, F.E. 1-30521
- Graves, J.E.**, Widener, A.L. Sky photometer for ground-based coronal photography 1-38207
- Graves, Y.B.** *see* Anderson, J.E. 1-30086
- Gravisse, P.** *see* Sarti, D. 1-53638
- Graw, G.** *see* Daniel, H. 1-42899
- Graw, G.** *see* Schiemenz, P. 1-43156
- Grawe, J.** The agreed Rhein energy scheme between Germany, France and Switzerland aiming at protecting the environment from pollution 1-43450
- Gray, A.** *see* Caruso, E. 1-38342
- Gray, A.H., Jr.** *see* Mansour, D. 1-41745
- Gray, A.H., Jr.** *see* Parikh, D.D. 1-37550
- Gray, A.H., Jr.** *see* Wong, D.Y. 1-33875, 1-37437
- Gray, D.A.** *see* Winter, A.E. 1-47623
- Gray, D.J.** A multiservice optical fiber system for business applications 1-29771
- Gray, G.W.** Bright outlook for liquid crystals 1-40970
- Gray, J.L.**, Colquhoun, J., Pearson, R. The repair of an advanced gas cooled reactor at Hunterest 'B' power station following an ingress of sea water 1-49242
- Gray, J.L.** *see* Lundstrom, M.S. 1-32781
- Gray, J.P.** *see* Trimberger, S. 1-46203, 1-46234
- Gray, J.S.** A theory of digital communications. II 1-33419
- Gray, J.S.** Filters and codes bolster digital designs [satellite communications] 1-42212
- Gray, K.E.** *see* Kampwirth, R.T. 1-28281
- Gray, K.S.** *see* Bula, J. 1-50583
- Gray, L.J.** *see* Cheng, C.-S. 1-27010
- Gray, M.H.** *see* Rosiewicz, A. 1-40949
- Gray, P.R.**, Brodersen, R.W., Hodges, D.A., Choi, T.C., Kaneshiro, R., Hsieh, K.C. Some practical aspects of switched-capacitor filter design [MOS implementation] 1-45521
- Gray, P.R.** *see* Kuo, C. 1-27518
- Gray, R.E.** *see* Moghe, S.B. 1-45678
- Gray, R.M.** *see* Abut, H. 1-33598, 1-37440
- Gray, R.M.** *see* Dunham, J.G. 1-51776
- Gray, R.M.** *see* Fontana, R.J. 1-41456
- Gray, R.M.** *see* Rebollo, G. 1-33560
- Gray, R.M.** *see* Shore, J.E. 1-33691
- Gray, T.** Abnormal behaviour of Doppler navigation systems 1-42362
- Gray, T.**, Thorne, T.G. Modern Doppler navigation systems 1-29815
- Gray, T.J.** Strontium ceramics for chemical applications 1-32089
- Gray, T.J.** *see* Cocke, C.L. 1-38373
- Gray, W.H.** *see* Martin, J.A. 1-42895
- Graziani, C.** *see* Boussard, D. 1-48496, 1-48497
- Greanias, E.C.** The evolution of electronics in office mechanization 1-29307
- Greatbatch, W.** Metal electrodes in bioengineering 1-38468
- Greaves, A.J.** *see* Rollett, J.M. 1-45488
- Greb, H.**, Muth, B. Resistance measurement by means of a reference voltage 1-48199
- Grebe, E.** *see* Braess, D. 1-43635
- Grebenikov, V.V.** *see* Afonin, A.A. 1-31266
- Grebinkina, V.G.** *see* Pyatkin, A.A. 1-35979
- Grebennik, V.S.**, Lantukh, V.M., Perov, A.V., Ermolov, I.N., Volkov, A.S., Vyatskov, I.A. The ultrasonic testing of austenitic welded joints in electrical plant during manufacture and operation 1-39830
- Grebnyuk, S.V.** *see* Prudkii, V.P. 1-37354
- Greber, I.** *see* Abramson, J. 1-38506
- Greblicki, W.** Asymptotic efficiency of classifying procedures using the Hermite series estimate of multivariate probability densities 1-41802
- Grechin, D.P.** *see* Filts, R.V. 1-31228
- Grechko, E.N.**, Tonkal', V.E., Verteletskii, D.S. Characteristics of output voltage curves and energy indices of invertors with improved pulse amplitude modulation 1-44218
- Grecner, J.** Television receiver as a display unit 1-52401
- Greco, V.P.** Microstructural and property changes of laser-treated electrodeposits 1-46818
- Grecu, V.** *see* Beldiman, C. 1-32286
- Greef, D.** *see* De Greef, D.
- Greefe, K.**, Runtsch, E. Stotz main MCB for the electrical installations in buildings 1-39075
- Green, A.A.**, Cowey, M., Frankland, E. Duct valve drive system modification at Dungeness A power station 1-53218
- Green, A.H.** *see* Polge, R.J. 1-42320
- Green, C.** Solar energy goes to work in Saudi Arabia [telephony] 1-37697
- Green, D.C.** *see* Penner, S. 1-42871
- Green, D.C.** *see* Scott, B.A. 1-45104
- Green, H.E.** Gain measurement of pencil beam antennas on ground reflection ranges 1-41377
- Green, J.B.**, Khuri-Yakub, B.T., Kino, G.S. A new narrow-beamwidth high-efficiency zinc oxide silicon storage correlator 1-28207
- Green, J.B.**, Kino, G.S., Khuri-Yakub, B.T. Focused surface wave transducers on anisotropic substrates: a theory developed for the waveguided storage correlator 1-32936
- Green, J.H.**, Moyer, S.F., Nahas, J.J. A channel unit signal controller for shared codec D-type channel banks 1-52024
- Green, J.M.** *see* Bernstein, S. 1-44690
- Green, K.** Digital audio recording 1-34165
- Green, K.** *see* Miller, J. 1-40876
- Green, M.A.** Orbit studies for the 100 MeV Aladdin racetrack microtron injector 1-42812
- Green, M.A.** Solar cell fill factors: general graph and empirical expressions 1-44370
- Green, M.A.** Quench protection and design of large high current density superconducting magnets 1-51130
- Green, M.A.**, Gauja, E., Withayachamnankul, W. Silicon solar cells with integral bypass diodes 1-44378
- Green, M.A.**, Krafft, G., Mitina, S. Modeling the cooldown of force cooled coils 1-51125
- Green, M.A.**, Rowe, E.M., Trzeciak, W.S., Winter, W.R. Design and operation of the 100 MeV Aladdin microtron injector 1-42793
- Green, M.A.** *see* Eberhard, P.H. 1-51132
- Green, M.A.** *see* Rowe, E.M. 1-48555
- Green, M.A.** *see* Singh, R. 1-31460
- Green, M.C.**, Skinner, H.B., Tuck, R.A. Osmium-tungsten alloys and their relevance to improved M-type cathodes 1-32546
- Green, M.L.** *see* Chin, G.Y. 1-46430
- Green, R.E., Jr.** *see* Kline, R.A. 1-27189
- Green, R.G.** *see* Hardy, W.C. 1-43162
- Green, R.M.**, Boys, J.T. The starting and low speed performance of inverter/induction machine drives 1-44111
- Green, R.M.**, Boys, J.T. The starting and low speed performance of inverter/induction machine drives 1-53698
- Green, R.R.** *see* Schroeder, K.R. 1-38583
- Green, S.M.** *see* Slattery, G.F. 1-45134
- Green, T.S.** High-brightness high-current ion sources 1-38399
- Green, T.S.** *see* Holmes, A.J.T. 1-38369
- Green, W.H.F.**, Roper, M.E. New generation PCM Primary Multiplex and Signalling system 1-42038
- Greenberg, B.**, Bindokas, V.P. Effects of high-voltage transmission lines on honey bees 1-53112
- Greenberg, H.J.**, O'Neill, R.P. Representing super-sparse matrices with perturbed values 1-44983
- Greenberg, J.S.** A financial risk analysis of a district heating business venture 1-30974
- Greenberg-Kosinski, S.** *see* Nagel, S.R. 1-36938
- Greenblatt, M.** *see* Strobel, P. 1-35939
- Greene, A.** *see* Thompson, P. 1-43118
- Greene, A.** *see* Wanderer, P. 1-43097
- Greene, A.F.** *see* Willen, E. 1-43117
- Greene, B.I.** *see* Fork, R.L. 1-37175, 1-51509
- Greene, D.A.** *see* Clayton, T.N. 1-30937
- Greene, E.P.**, Ephremides, A. Distributed reservation control protocols for random access broadcasting channels 1-37670
- Greene, J.E.**, Cadien, K.C., Lubben, D., Hawkins, G.A., Erikson, G.R., Clarke, J.R. Epitaxial Ge/GaAs heterostructures by scanned CW laser annealing of a-Ge layers on GaAs 1-50811
- Greene, J.E.**, Eltoukhy, A.H. Semiconductor crystal growth by sputter deposition 1-35969
- Greene, J.E.** *see* Clarke, J.R. 1-45120
- Greene, J.E.** *see* Grender, M.C. 1-35377
- Greene, J.E.** *see* Klinger, R.E. 1-32761
- Greene, J.W.** *see* Krasniansky, E. 1-33513
- Greene, K.B.** *see* De Greene, K.B.
- Greene, K.H.** *see* Kreutel, R.W. 1-29671
- Greene, L.H.**, Sievers, A.J., Figueira, J.F. Non-linear optical properties of matrix isolated SF<sub>6</sub> 1-33271
- Greene, S.** Into the jet age [flight simulators] 1-34657
- Greene, S.J.** *see* Ransome, R.D. 1-43200
- Greenfield, J.** *see* Anzelone, T.A. 1-44709
- Greenfield, S.R.** *see* Thorson, J.M., Jr. 1-43520
- Greenhall, C.A.**, Miller, R.L., Butman, S.A. A quick-look decoder with isolated error correction and node synchronization 1-33518
- Greenhall, C.A.**, Miller, R.L., Butman, S.A. A quick-look decoder with isolated error correction and node synchronization 1-41505
- Greenhaus, L.G.** *see* Besset, D. 1-42776
- Greenland, D.J.** High frequency doubling with CMOS 1-27563
- Greenleaf, J.F.**, Bahn, R.C. Signal processing methods for transmission ultrasonic computerized tomography 1-38503
- Greenshields, R.** *see* Chalmers, I.D. 1-36723
- Greensmith, J.** *see* Hebbis, G. 1-42037
- Greenspan, S.B.**, Moore, V.S., Walewski, L.G., Wylie, T.J. Module serial light pipe 1-28462
- Greenstein, L.J.**, Czekaj, B.A. Modeling multipath fading responses using multitone probing signals and polynomial approximation 1-41231
- Greenstein, L.J.**, Fitzgerald, P.J. Phasing multitone signals to minimize peak factors 1-47178
- Greenstein, L.J.** *see* Acampora, A.S. 1-29247
- Greenwald, A.C.** *see* Little, R.G. 1-36651
- Greenway, T.J.L.** *see* Barratt, P.J.S.B. 1-43124
- Greenwood, A.** Power system and circuit breaker interactions 1-35305

- Greenwood, A.** Power system and circuit breaker interactions 1-43487
- Greenwood, D.R.** *see* Duckworth, F.C. 1-53209
- Greenwood, E.R.** Automatic substitution tester for circuit boards 1-50679
- Greenwood, F., Laabs, J.V.** Microcomputers control energy use 1-30629
- Greenwood, J., Ambre, J.M., Gorman, J.C.** Automatic two-way source transfer in pad-mounted gear 1-44290
- Greer, R.H., Newport, J.B.** The real world of residential load management 1-30731
- Greeson, J.C., Jr., Pleshko, P.** Self-aligned, patterned overcoat material for high resolution AC plasma displays 1-30201
- Greeson, J.C., Jr. *see* Pleshko, P.** 1-34345
- Greeven, M., Coombs, M., Eastwood, J.** A solar receiver for a 25-kW(e) gas turbine 1-31056
- Gregoire, C.A.** *see* Bouquegneau, C.R. 1-38789
- Gregor, L.V.** *see* Friessner, R.G. 1-27904
- Gregoret, F.** *see* Conte, G. 1-35578
- Gregori, G.P.** *see* Medford, L.V. 1-33912
- Gregorian, R.** High-resolution switched-capacitor D/A converter 1-40191
- Gregorian, R., Amir, G.** An integrated, single-chip, switched-capacitor speech synthesizer 1-47160
- Gregorian, R., Nicholson, W.E.** Integrated band-split filter system for a dual-tone-multifrequency receiver 1-29500
- Gregorian, R., Shih-chung Fan** Offset free high-resolution D/A converter 1-36313
- Gregorian, R., Wegner, G.A., Nicholson, W.E., Jr.** An integrated single-chip PCM voice codec with filters 1-52008
- Gregorian, R.** *see* Amir, G. 1-37470
- Gregorkiewicz, T., Jaworski, M.** Microwave contactless method of conductivity measurement in the studies of ion implantation effects 1-30237
- Gregory, Ch.** *see* Brissou, V. 1-43241
- Gregory, D.C., Johnson, B.M., Jones, K.W.** Interaction of multiply-charged ions with electrons and photons 1-38377
- Gregory, D.N.** *see* Blonstein, J.L. 1-37868
- Gregory, E.** *see* Adam, E. 1-43115
- Gregory, E.** *see* Hong, S.O. 1-28389
- Gregory, E.** *see* Spencer, C. 1-28394
- Gregory, L.P.** Radioactivity of potable waters in New Zealand 1-43454
- Gregory, L.P., Matthews, K.M.** A four-sample, low-background  $\alpha$  and  $\beta$  scintillation counter 1-52685
- Gregory, P.E.** *see* Boettcher, R.J. 1-35359
- Gregory, P.E.** *see* Borden, P.G. 1-35385
- Gregory, P.E.** *see* Escher, J.S. 1-36426
- Greguss, P.** Coherent optical reconstruction of ultrasound transmission tomograms of attenuation by reconstruction 1-30421
- Greifer, A.P.** *see* Baltz, A. 1-46387
- Greig, A., Jackson, K.** Educating Sidney with informality: an Australian public radio station 1-52213
- Grein, H., Jermann, P.** Water turbine guide vanes as an example of computer-aided development and design of machine components 1-38917
- Grein, H.** *see* Glatfelder, A.H. 1-35081
- Greiner, J.H., Klepner, S.P.** Process characterization of Josephson circuits 1-46474
- Greivenkamp, J.E.** *see* Gmitro, A.F. 1-30424
- Grejcz, B.** *see* Adaszewski, W. 1-47306
- Grekalov, N.E., Ogienko, Yu.P.** The importance of rural electrification from the Kiev power system 1-30732
- Grekhov, I.V., Kardo-Sysoev, A.F., Kostina, L.S., Shenderov, S.V.** High-power subnanosecond switch 1-36378
- Grekhov, I.V., Kireyev, O.A., Shorokhova, V.S.** Investigation of the electric fields of high-voltage silicon  $p^+-n-n^+$  structures 1-32678
- Grekhov, I.V., Yassievich, I.N.** Theory of a high-power thyristor optoelectronic switch 1-33142
- Grekhov, I.V.** *see* Ayazyan, R.E. 1-36510
- Grekhov, Yu.N.** *see* Torfomov, A.I. 1-38171
- Grekov, A.A.** *see* Kolesnikov, E.V. 1-44146
- Grelaud, B.** *see* Augustin, J.E. 1-43230
- Gremalsky, A.A., Klistorin, I.F.** Construction of discriminating sets of combination digital devices 1-39860
- Gremmel, H., Leonhardt, G., Petry, H.** High voltage switchboards for power station auxiliaries and for other fields of application having very high short circuit current levels 1-49639
- Grender, M.C., Uppal, P.N., Burton, L.C., Rivaud, L., Greene, J.E.** Composition analysis of heterojunctions by means of electron and optical spectroscopies 1-35377
- Grenier, Y., Bry, K., Le Roux, J., Sulpis, M.** Autoregressive models for noisy speech signals 1-41599
- Grenier, Y., Miclet, L., Maurin, J.C., Michel, H.** Speaker adaptation for phoneme recognition 1-41610
- Grenon, M.** World fossil resources: availability and constraints 1-34982
- Grenzdoerfer, S.** *see* Dempf, G. 1-41975
- Grepper, P., Huguenin, F.** Flight simulators exemplified by the DC-9-81 1-30499
- Greschner, J.** *see* Bohlen, H. 1-27906
- Greschner, J.** *see* Engelke, H. 1-27946
- Greshner, R.A.** RCA's electron-beam exposure system 1-40626
- Greshnikov, V.A., Braginskii, A.P.** Analysis of acoustic-emission signals 1-36024
- Gress, R.I.** *see* Karpilovskii, L.P. 1-27169
- Gretchev, V.** LSSD testable J/K flip-flop 1-50500
- Grethlein, M.** Videotext and Screentext 1-29398
- Gretsch, R.** Interferences in power systems caused by diode-controlled appliances 1-46953
- Gretsch, R., Krost, G.** Measurement of the amount and phase relation of voltage and current harmonics 1-52556
- Gretton-Watson, P.** Distributed database network architecture 1-33792
- Greve, A.** Metrology of the Effelsberg 100 meter radio reflector 1-52184
- Greve, H.W.** *see* van Someren *see* van Someren Greve, H.W.
- Grevel, R.** Ripple-control installations in the Bewag-frequency generation and coupling 1-34740
- Grianti, G.** The importance of communication 1-47314
- Gribanov, P.F.** *see* Nazikyan, A.G. 1-38997
- Gribble, D.** Speeding battery electric vehicles 1-53722
- Gribet, J.** *see* Baud, A. 1-53345
- Gribkov, V.A., Krokhn, O.N.** On the possibility of creating a neutron source on the basis of a micropinch with combined plasma heating 1-52666
- Gribkov, Yu.G.** *see* Antonenko, V.T. 1-44531
- Gribkovskii, V.P.** *see* Lukashevich, P.G. 1-33212
- Gribnau, W.J.C.** Energy situation at DSM 1-44561
- Grice, D., McClurg, R., Pi, S.C.** Exclusive OR PLA and array 1-27406
- Grichina, Yu.I.** *see* Bovina, V.Z. 1-49574
- Gridasov, V.I.** *see* Ageyev, A.I. 1-42866
- Grieder, W.F.** *see* Murphy, R.E. 1-42554
- Grieggs, R.J.** *see* Potter, R.C. 1-48280
- Grieken, R.** *see* Van Grieken, R.
- Gries, T.** A simple interrupt-circuit for the Z80 systems 1-32255
- Griewank, A.O.** Generalized descent for global optimization 1-35841
- Griffath, D.** The basic contact processes 1-39557
- Griffeth, N.D.** *see* Fischer, M.J. 1-37764
- Griffin, D.W.** Cross-polarised radiation from metal patch type microstrip antenna elements 1-47043
- Griffin, D.W.** A novel harmonic balancing bridge for characterising microwave modules for phased array antenna service 1-48158
- Griffin, E.J.** An introduction to the six-port reflectometer 1-42732
- Griffin, E.J.** *see* Clark, R.F. 1-48189
- Griffin, J.** Standby generators and the effects of the recent BS 5000 1-49313
- Griffin, J.E., MacLachlan, J.A., Bridges, J.F.** Preparation and study of bunches containing  $10^{11}$  protons in the Fermilab main ring 1-42887
- Griffin, J.E., MacLachlan, J.A., Bridges, J.F.** Review of the Fermilab main ring accelerator study program as directed to the pp program 1-42888
- Griffith, C.E.** A new switch protects 480 V service equipment 1-44292
- Griffith, D.C.** A new hybrid UPS inverter 1-44230
- Griffith, J.M., Rasmuson, D.M.** Optimal replication for a specific system objective 1-39447
- Griffith, P.** *see* Hsia, D.Y. 1-49240
- Griffith, R.V.** *see* Tommasino, L. 1-30368, 1-30369
- Griffith, R.W.** *see* Kampas, F.J. 1-45103
- Griffith, R.W.** *see* Vanier, P.E. 1-45943
- Griffiths, D.B., Hobson, E., Milroy, I.P., Windsor, R.L.** Trade/technician/degree course integration in electrical engineering in South Australia 1-26818
- Griffiths, D.H.** Toward quantitative industrial thermography 1-47967
- Griffiths, D.J.** Introduction to electrodynamics 1-39323
- Griffiths, G., Khan, P.J.** Analysis of planar optical waveguide fabrication by ion exchange in glass 1-33040
- Griffiths, H.D.** A four-element VHF adaptive array processor 1-41425
- Griffiths, J.** Adaptive aerials 1-47064
- Griffiths, L.J., Cooley, D.W.** Nonstationary effects in adaptive filtering 1-37635
- Griffiths, L.J., Jim, C.W.** Angular tracking results for a highly-quantized adaptive array 1-51740
- Griffiths, L.J.** *see* Medaugh, R.S. 1-37614
- Griffiths, N.** *see* Henshaw, D.L. 1-30360
- Griffiths, P.H.** *see* Harvey, C. 1-42119
- Griffiths, R.E., Polucci, G., Mak, A., Murray, S.S., Schwartz, D.A., Zombek, M.V.** Preliminary results from a single-photon imaging X-ray charge coupled device (CCD) camera 1-47975
- Griffiths, S.** *see* Metzler, R. 1-34312
- Grigaitis, P., Pranevicius, L.** Characteristics of the relief patterns in ion-beam lithography 1-32741
- Griggs, G.E.** *see* Carlson, L.E. 1-49771
- Grigo, M.** *see* Einfeldt, J. 1-52520
- Grigorash, V.V., Utkin, G.M.** On energy relationships in a system of two resistively coupled oscillators 1-45319
- Grigorenko, N.M.** *see* Ageyev, A.I. 1-42866
- Grigorescu, R.** *see* Fara, V. 1-35097
- Grigor'ev, S.V., Lebedev, A.K.** Theory of lasers using free-free transitions 1-51321
- Grigorin-Ryabov, V.V., Bogachev, A.P., Shelukhin, O.I.** Multichannel short-range noise radar systems with integral scanning 1-42294
- Grigoriu, C.** *see* Chis, I. 1-37073
- Grigoriu, M.** *see* Arie, A.A. 1-38765
- Grigorov, S.S.** *see* Sheremet'ev, A.I. 1-30435
- Grigoryan, K.R.** *see* Astabaty, R.A. 1-30321
- Grigor'yants, V.V., Detinich, V.A., Zhabotinskiy, M.Ye., Milyavskiy, Yu.S., Minovich, V.P., Nanush'yan, S.R., Petrovskiy, G.T., Simanovskaya, Ye.I., Stepanchuk, V.I., Chamarovskiy, Yu.K.** An optical fibre with a polymeric sheath and a light-conducting core, manufactured from industrial quartz glass 1-33057
- Grigor'yants, V.V., Kuzyakov, B.A., Sinitsyn, A.M.** Output power of a waveguide CO<sub>2</sub> laser 1-28657
- Grigor'yants, V.V., Makovetskii, A.A., Tishchenko, R.P.** Kinetics of emission from a neodymium pentaphosphate microlaser pumped by short pulses 1-28698
- Grigor'yants, V.V., Zhabotinskii, M.E., Kuzyakov, B.A.** Cross section for stimulated emission of the CO<sub>2</sub> molecule from the 00<sup>0</sup>1-10<sup>0</sup> transition in a waveguide laser 1-28656
- Grigor'ev, B.I., Togatov, V.V.** Measurement of life time of minority charge carriers in base regions of diode and thyristor structures at high current densities 1-46102
- Grigor'ev, B.I., Togatov, V.V.** Measurement of lifetime of minority charge carriers in the high-impedance collector region of power transistors 1-46119
- Grigsby, L.L.** *see* Ramanathan, R. 1-53040
- Grigulis, Yu.K., Dzilyums, K.A., Porin'sh, V.M.** Measuring instrument for nickel coatings 1-27191
- Grigulis, Yu.K.** *see* Gavrilin, V.V. 1-38242
- Grijp, A.** *see* van de Grijp, A.
- Gril, C.** *see* Pommier, R. 1-27154
- Grilikhes, V.A., Zav'yalova, G.M., Popov, L.B.** Solar electric propulsion systems: a survey 1-31530
- Grilikhes, V.A.** *see* Bezruchko, K.V. 1-49351
- Grill, G.P., Tomcavage, J.R.** 125 Kw-52.88 MHz tetrode amplifier for the National Synchrotron Light Source 1-48646
- Grim, V.** Signal reception from the Magion satellite 1-43416
- Grimaldi, M.G., Maenpaa, M., Paine, B.M., Nicolet, M.-A., Lau, S.S., Tseng, W.F.** Epitaxial growth of amorphous Ge films deposited on single-crystal Ge 1-39769
- Grimaldi, M.G., Paine, B.M., Maenpaa, M., Nicolet, M.A., Sadana, D.K.** Epitaxial regrowth of thin amorphous GaAs layers 1-50276
- Grimaldi, M.G.** *see* Campisano, S.U. 1-32604
- Grimble, M.J.** *see* Jukes, K.A. 1-27061
- Grimbleby, J.B.** Algorithm for finding the common spanning trees of two graphs 1-39850
- Grimes, P.** *see* Bellows, R.J. 1-31415
- Grimm, E.** *see* Konstroff, L. 1-29752
- Grimm, M.A.** *see* Armitage, J.D. 1-28548
- Grimmeiss, H.G.** Deep-level impurities in semiconductors and their role in optoelectronic devices 1-50744
- Grimmeiss, H.G., Ovren, C.** Fundamentals of junction measurements in the study of deep energy levels in semiconductors 1-50816
- Grimsdale, R.L.** System design considerations for data communication networks 1-51974
- Grimsdale, R.L., Halsall, F., Martin-Polo, F., Shoja, G.C.** POLYPROC II - the University of Sussex multiple microprocessor system 1-37759
- Grimsmo, N., Boe, A.** INMARSAT: International Maritime Satellite Organisation 1-33950
- Grinberg, J.** *see* Efron, U. 1-46592
- Grindahl, M.L.** Automatic communications control system 1-29660
- Grindel, D.R.** *see* Arnold, R.W. 1-28600
- Grindhammer, G.** *see* Behrend, H.-J. 1-43229
- Grindon, J.R.** An optimal multisensor source location algorithm for passive sonar with moving source or sensors 1-41676
- Grinenko, V.I.** Analysis of the applicability of automatic site pipe-welding equipment in constrained conditions 1-53831
- Grinev, A.Yu., Pankratov, V.M., Temchenko, V.S., Fomichev, N.N., Voronin, E.N., Demina, T.P., Kas'yanova, L.V., Evseev, V.I.** Multichannel electrooptic lithium tantalate light modulator for parallel processing of signals from antenna arrays 1-51229
- Grinev, A.Yu., Voronin, E.N., Temchenko, V.S.** Plane radiooptical antenna arrays with rejection of interference signals in the direction of incidence 1-37375
- Grinev, A.Yu.** *see* Bratchikov, A.N. 1-51200
- Grinval'd, A.B.** *see* Ismatullaev, P.R. 1-34405
- Gris, Y.** *see* Brice, J.M. 1-40700

- Grisar, R., Riedel, W.J., Preier, H.M. Properties of diffused PbSnSe homojunction diode lasers 1-37102
- Griseanti, R., Zecca, A. Design data for a triple square coil system 1-48208
- Grisham, D.L., Lambert, J.E. Water-cooled beam line components at LAMPF 1-48335
- Grisham, D.L., Lambert, J.E., Baldwin, T.S., Ekberg, E.L. Monitor 1981 [experimental proton beam line maintenance] 1-48281
- Grisham, D.L. *see* Korn, R.D. 1-48553
- Grishchenko, A.I., Korabel'nikov, B.M., Kuznetsov, S.A., Krainov, G.S., Kuksanov, N.K., Salimov, R.A., Samoilovich, A.N. Dual accelerators of the ELV type 1-30288
- Grishin, A.M. The effect of instabilities of the transmission coefficient of the channel on broadcast quality 1-37997
- Grishin, V.P. *see* Sisakyan, E.V. 1-36858
- Grishuhin, V.P. Polyhedra related to a lattice 1-39595
- Grishutin, M.M. *see* Bezruchko, K.V. 1-49351
- Griswold, T.W. Test chips for custom design in a high-reliability environment 1-40682
- Grits, Yu.A. *see* Isachenko, V.I. 1-31337, 1-49540
- Gritsenko, V.I. *see* Bulochin, G.I. 1-43508
- Gritsevskii, E.A., Meshkovskii, I.K., Togatov, V.V. High-power temperature-protected transistor switch for currents to 500 A and voltages to 100 V 1-36598
- Gritskov, V.I. *see* Stefani, E.P. 1-35058
- Gritsyk, V.V., Palenichka, R.M. Preprocessing of images in the analysis of scenes 1-37517
- Gritzali, F. *see* Papakostantinou, G. 1-43332
- Grivaz, J.F. *see* Behrend, H.-J. 1-43229
- Grob, A., Grob, J.J., Mesli, N., Salles, D., Siefert, P. Recoil implantation of antimony into silicon 1-36557
- Grob, J.J. *see* Fogarassy, E. 1-39125
- Grob, J.J. *see* Grob, A. 1-36557
- Grob, R. Ergonomics for products and workplace 1-26895
- Grobe, R., Heidner, D. Signal restoration for high bit rate graded-index fibre transmission systems 1-29762
- Grobin, A.W., Jr. *see* Damm, E.P., Jr. 1-28419
- Grobman, W.D. Multilayer packaging using resist layers 1-39406
- Groch, A., Gruszczynski, W. Computer analysis and design of electronic circuits 1-27215
- Grodel, M. *see* Atanasov, P.A. 1-33184
- Grodziewicz, W.H. *see* Singh, S. 1-27940
- Grodnev, G.I. Calculation of the crosstalk in optical cables 1-37917
- Grodnev, I.G., Muradyan, A.G. The development of optical systems and communication cables 1-47693
- Grodskii, S.Kh. Some aspects of determination of electrical loads and design of power supplies for industrial plants 1-34852
- Grodzinski, E.V., Chashchin, V.V. High-voltage adjustable DC source 1-36081
- Groenewoud, J.J.C. *see* Butterweck, H.-J. 1-39839
- Groenke, J. *see* Burkett, M. 1-27989
- Groenland, J.P.J., Fluitman, J.H.J. Measurement system for two-dimensional magnetic field distributions, applied to the investigation of recording head fields 1-30045
- Groenland, J.P.J. *see* Druyvesteyn, W.F. 1-46416
- Grofflin, H., Hoffman, A.J. On matroid intersections 1-39570
- Grofflin, H., Lieblich, T.M. Connected and alternating vectors: polyhedra and algorithms 1-27003
- Groger, B., Kronmuller, H. The effect of internal stresses on the magnetization curve of amorphous ferromagnetic FeNi alloys 1-32960
- Groh, G. An integral equation method for the three-dimensional potential flow about arbitrary bodies 1-37264
- Grokholskii, A.L., Lyashenko, V.N. Low-level noise amplifier for bridges with capacitive transducers 1-38241
- Grolleau, B. *see* Turban, G. 1-27156
- Grolmus, J. *see* Cermak, J. 1-45086
- Grombone, A., Kerr, M.V. Optical sensor circuit 1-30082
- Gromoglasov, N.M. Correlational analysis on the basis of frequency-pulse signals 1-42587
- Gromov, E.A., Meshkov, A.N., Shishko, V.I. High-frequency magnetohystristor generator of powerful nanosecond pulses 1-27351
- Gromov, E.M. *see* Vol'ftein, S.P. 1-41916
- Gromov, G.R. Economical integrating current-frequency convertor 1-50600
- Gromov, O.V. *see* Motusks, E.B. 1-37015
- Gromov, V.S., Kuvshinov, I.A., Ivanov, O.N., Silaev, E.F., Zhilko, E.I., Gurevich, V.L., Dun'ev, V.A., Brudnyi, B.P., Sukhov, I.Ya. Automatic production-process control system for six-stand endless cold-rolling mill 1-31709
- Gromova, G.V. *see* Blatov, V.V. 1-27428
- Gronau, H.-D.O.F. On maximal families of subsets of a finite set 1-35804
- Gronau, H.-D.O.F. *see* Clements, G.F. 1-26997
- Groncki, P.J. *see* Marcuse, W. 1-26849
- Grondin, R. Computer-dedicated voltage regulation method for distribution substations 1-44155
- Grondin, R.O., Blakey, P.A., East, J.R., Rothman, E.D. Monte Carlo estimation of hot carrier noise at millimeter- and submillimeter-wave frequencies 1-45891
- Gronemeyer, S.A. Packet radio for mobile communications 1-29666
- Groner, P. Computer aided design of VLSI saves man-hours, reduces errors 1-50958
- Grono, A., Redlarski, K., Redlarski, K. The exponential method of realizing a constant advance time of the automatic synchronizer of synchronous generators 1-31208
- Grooff, D.de *see* de Grooff, D.
- Grooff, D. *see* de Grooff, D.
- Groom, V. 'Helford' HF SSB transceiver. VI 1-37864
- Gros, A., Gaume, F., Gacon, J.C. Synthesis of new luminescent materials activated with divalent samarium 1-32106
- Grosch, C.B., Rosenthal, T. Use of a Kalman filter for registering radar imagery 1-52148
- Grosch, C.B. *see* Kober, W. 1-48816
- Groschupf, E. Operations management in mining 1-53858
- Grosdidier, G. *see* Augustin, J.E. 1-43230
- Grosheva, L.A., Sakharov, V.V., Smolya, A.V., Shevchenko, A.N. Polycrystalline zinc selenide doped with zinc and cadmium sulfides 1-32088
- Grosikov, L.M. *see* Belyakov, A.V. 1-36435
- Grosjean, C.C., De Vos, A. On the upper limit of the energy conversion efficiency in tandem solar cells 1-35360
- Grosjean, J.P., Richards, O.L. The development of high-quality receivers for AM stereo 1-34055
- Gross, B., West, J.E., von Seggern, H., Berkley, D. Generalized box model for electron irradiated Teflon foils 1-32101
- Gross, C. Will mini networks connect to the outside world? [computer networks] 1-37745
- Gross, C. Production and materials flow control in an electrical household goods factory 1-44665
- Gross, C. Automated design and CAD in a medium-size organisation 1-45766
- Gross, D. *see* McInturf, A.D. 1-40874
- Gross, E.E. *see* Becker, T.H. 1-34515
- Gross, F.B., Young, J.D. Physical optics imaging with limited aperture data 1-37290
- Gross, G. Wolfgang *see* Wolfgang Gross, G.
- Gross, L.G., Kulikov, V.F., Berdnik, V.V., Kochkina, V.D., Grachev, I.D. Infrared three-frequency moisture meter for cinematographic materials 1-34317
- Gross, R. *see* Fauchoux, F. 1-43281
- Gross, S.T. Measuring reliability of criterion-based tests 1-35662
- Gross, T. Fast current limiter protects stalled power tools 1-43783
- Gross, W.H. *see* Isbell, T.D. 1-29890
- Grosse, E. *see* Bjorstad, P. 1-35867
- Grosse, G., Unger, H. Studies on the findings-dependent maintenance method for medium-voltage cables 1-49106
- Grosse, H.-J. *see* Leonhardt, J.W. 1-31473
- Grosse-Wiesmann, P. *see* Behrend, H.-J. 1-43229
- Grossekathofer, H.-D., Kruska, M. Economic efficiency of 3AF vacuum circuit breakers 1-39090
- Grosser, H.D. Electronic word and picture screen communication for the medium-sized business 1-41912
- Grossetete, B. *see* Behrend, H.-J. 1-43229
- Grossfield, K. *see* Pocock, S.N. 1-30392
- Grosskope, R. An improved method for calculating the efficiency and the soil-conductivity in the immediate vicinity of an MF transmitting antenna 1-33410
- Grosskopf, G. *see* Kanbe, H. 1-51273
- Grosskopf, R., Zichanowicz, K. Resistance of MNS switchgear to earthquakes 1-31342
- Grossman, B.M. *see* Buturla, E.M. 1-50899
- Grossman, E. *see* Eberhard, P.H. 1-51132
- Grossman, M. Focus on switching power supplies: advances fuel high growth rate 1-27251
- Grossman, M. Focus on ferrite materials: they star as HF magnetic cores 1-40817
- Grossman, M. Focus on filter L/Cs: switchers drive improvements 1-50540
- Grossman, M. *see* Board, J.E. 1-29691
- Grossmann, J.M., Mayergoyz, I., Striffler, C.D. Theoretical studies of collective ion acceleration in a linear beam-evacuated drift tube system 1-42817
- Grossmann, K., Schaefer, H.-H. Requirements to the Deutsche Eisenbahn Consulting GmbH (DEC) for electrification projects with system decisions 1-31538
- Grossoni, M., Leggieri, C. Transistorized low-power plant for telecommunication systems 1-44240
- Grossoni, M., Molinari, F. Particular solutions used in the development of new power plant by SIP [telecommunication systems] 1-30674
- Grosu, N.D. The use of silicon photodetectors in low level laser radiation detection systems 1-48114
- Grosz, M. Optimal designing of pipe networks by integer programming 1-50400
- Groszko, M. The electrical field with a frequency of 50 Hz and the appropriate Polish environmental protection regulations 1-51560
- Groszko, M. An electric field, 50 Hz, under 400 kV six-phase overhead power lines 1-53105
- Groszynski, J. *see* Kunowski, W. 1-53388
- Grote, H. Data analysis for electronic experiments [high energy physics] 1-48654
- Grote, N. *see* Beneking, H. 1-33156, 1-39789
- Grote, W.A. *see* Georgopoulos, P. 1-34540
- Grothe, H., Proebster, W. Influence of Mg doping on cutoff frequency and light output of InGaAsP/InP heterojunction LEDs 1-33153
- Grothe, H. *see* Proebster, W. 1-37940
- Grothues, H.L. *see* Hamlin, D.R. 1-35988
- Grotloh, M. Combined safety valve and by-pass valve in forced-feed boiler installations 1-53271
- Grotschel, M., Thomassen, C., Wakabayashi, Y. Hypotracheable digraphs 1-39583
- Grotschel, M. *see* Bachem, A. 1-35847, 1-44897
- Grotzbach, M. Analysis of periodically switch controlled lowpass systems by continuous approximation models 1-27234
- Grotzbach, M. Influence of network losses on the mean-value behavior of switching converters 1-35260
- Grotzbach, M. Discrete small-signal behaviour of pulse-width-controlled rectifiers in light mode 1-36063
- Grotzbach, M. Exact and approximated analysis of voltage-commutated DC-to-DC converters 1-53559
- Grotzschel, R. *see* Klages, R. 1-32620
- Grouillet, A. *see* Villepelt, B. 1-40504
- Grounds, M.K. An ultrasonic transducer characterization and analysis system 1-43475
- Grove, A.W. Alarm network interface to the subscriber [PAXNET communication system] 1-47295
- Grove, E. *see* Thompson, P. 1-43118
- Grove, G. Telecommunications in the electronic office—distributed or centralized? 1-47310
- Grove, R.B. Pirate broadcast stations 1-52223
- Grove, R.C., Rapp, B.E., Souder, C.W. Real-time image processing system for automated inspection of drilled holes 1-41700
- Grove, R.E. *see* Anderson, R.S. 1-51386
- Grovender, S.L. The QUIP system approach [packaging] 1-44719
- Grovenor, C.R.M. Au/Ge based ohmic contacts to GaAs 1-40456
- Grover, M.K. Some analytic models for quasi-static source region EMP: application to nuclear lightning 1-28934
- Grover Brown, R. *see* Girgis, A.A. 1-43793
- Groves, C., Aitken, A., Marquis, F., Morris, J., Perry, P. The application of ISO-CMOS technology to high-density high-performance logic circuits 1-40722
- Groves, S.H., Plonko, M.C. Liquid-phase epitaxial growth of InP and InGaAsP alloys 1-39792
- Groves, S.H., Plonko, M.C. n<sup>+</sup>-InP growth on InGaAs by liquid phase epitaxy 1-45077
- Groves, S.H. *see* Tsang, D.Z. 1-28709
- Groves, T.R. *see* Kelly, J. 1-50964
- Grow, R.W. *see* Schow, F.L. 1-37206, 1-51524
- Groysberg, L.B. A fiducial approach in the case of interval estimation of the reliability of complex systems 1-50045
- Grubb, G. Pseudo-differential boundary problems depending on a parameter 1-39493
- Grubb, R.L., Hudis, M., Traut, A.R. A transformer thermal duct study of various insulating fluids 1-35235
- Gruber, F. *see* Rebaudo, M. 1-32580
- Gruber, J. Performance considerations for integrated voice and data networks 1-41949
- Gruber, J.G. *see* Williams, G. 1-41909
- Grubin, H.L. *see* Ferry, D.K. 1-40712, 1-46090
- Gruboi, A.P. *see* Danko, V.G. 1-49422
- Gruca, R., Boruta, E. A simple method for accurate temperature measurement 1-30274
- Gruden, D.O. *see* Kuper, P.-F. 1-38602
- Grudev, K.L. Realization of parametric invariance in direct-current amplifiers on the basis of sensitivity models 1-32213
- Grudin, O.M. *see* Zargar'yants, M.N. 1-28604
- Grudin, A.B. *see* Belanov, A.S. 1-51206
- Grudkowski, T.W., Black, J.F., Reeder, T.M., Culen, D.E., Wagner, R.A. Fundamental mode VHF/UHF bulk acoustic wave resonators and filters on silicon 1-36802
- Grudkowski, T.W., Gilden, M. Realization of temperature-compensated GaAs surface acoustic wave delay lines 1-32924
- Grudkowski, T.W., Montress, G.K., Gilden, M., Black, J.F. GaAs monolithic SAW devices for signal processing and frequency control 1-32939
- Grudkowski, T.W., Montress, G.K., Gilden, M., Black, J.F. IC compatible SAW devices on GaAs 1-46376
- Grudzien, P., Zawadzki, G. Voltage-controlled square wave oscillator 1-32230
- Grudzinski, M.A., Merenkov, V.N., Zuckerman, I.L., Shostatskii, N.N. Image filtration for suppressing discretization interference in digital television 1-41720

- Gruebel, J., Robison, W.N., Rutledge, S. Intrastate educational telecommunication systems: a national survey 1-5263
- Gruebler, W., Schmelzbach, P.A. New developments in polarized ion sources 1-43149
- Gruebler, W. see Schmelzbach, P.A. 1-43158, 1-48552
- Gruer, J.P. see Juarez Fernandez, A.M. 1-29547
- Gruke, N. Automation in forges 1-39224
- Grull, K. Bucket-wheel excavator with converter-fed bucket wheel drive 1-53721
- Grumbles, G.R. An international perspective of integral modems [data communications] 1-29462
- Grumbrecht, P. see Fink, R. 1-53401
- Grumm, H. Safeguards '85 1-43828
- Grun, L., Lee, S.W. A new method for waveguide lens analysis 1-51705
- Grunbaum, E. see Barkai, M. 1-35958
- Grunder, H. see Avery, R. 1-42826
- Grunder, H. see Lothrop, F. 1-48275
- Grundey, T. see Klein, U. 1-43100
- Grundinin, A.B. see Andreev, A.T. 1-36870
- Grundl, J.A. see Fuller, J.L. 1-34488
- Grundmann, J.W. see Bass, S.C. 1-32275
- Grundy, P.A. see Capps, E.M. 1-52168
- Gruener, K., Haerter, H., Ott, H.  
Transmitter/receiver switch for the German HELIOS ground station 1-29720
- Gruener, K. see Wovinkel, B. 1-42620
- Gruener, R.W. see Persinger, R.R. 1-46927
- Grunert, J. see Braver, R. 1-42409
- Grunigen, D.C. von see von Grunigen, D.C.
- Gruning, G., Polack, A. A colour chassis built with the use of a single circuit board technique. II 1-38006
- Gruning, G., Pollak, A. Colour chassis in single-board technique [Telefunken 415 TV subassembly] 1-29867
- Gruning, H.-U. see Dommann, D. 1-39302
- Grunwald, S. White and coloured noise with noise generator SUF 2 1-30148
- Gruodis, A.J., Chang, C.S. Coupled lossy transmission line characterization and simulation 1-28949
- Grupp, G., Hamilton, C.H. An improved integrated SSR antenna system 1-41442
- Grusecky, D. Hardware of hierarchical systems 1-33814
- Grushevaya, N.P. see Alymkulov, K.A. 1-31330
- Gruszczyński, W. see Groch, A. 1-27215
- Grutzmacher, B., Schroder, D., Worner, R. The main DC drives of a two-stand skin pass mill 1-31721
- Gruver, W.A. see Klein, C.F. 1-50107
- Gryko, J. see Kujaszczk, S. 1-53079
- Grynberg, G., Giacobino, E., Biraben, F. Two-photon optically pumped laser 1-28636
- Grzegorski, J. see Cholewicka, J. 1-53439
- Grzeszak, W. Some remarks on transformer pole-substations 1-53509
- Gsellmann, J. see Kordesck, K. 1-53603
- Gsodam, H. Limits of conclusions from partial discharge measurements on equipment 1-53506
- Gu Benguang Linear electron accelerators for medicine and radiation processing developed in Beijing, China 1-38344
- Guagliumi, R., Verduzio, L. The development of an antilock system for hydraulic brakes 1-39196
- Gualda, J. An entirely efficient voltmeter 1-34318
- Gualtieri, G.J. see Aspnes, D.E. 1-32711
- Gualtieri, P. see Benedetti, P.A. 1-52769
- Gualtierotti, A.F. see Baker, C.R. 1-33460
- Guan-De Yang see Yang Guan-De
- Guan-zhong Zhang see Zhang Guan-zhong
- Guang, D. China starts tapping rich geothermal resources 1-31065
- Guang-hua Chen see Chen Guang-hua
- Guang-leng Xiong see Xiong Guang-leng
- Guang-lin Kong see Kong Guang-lin
- Guang-ming Shen see Shen Guang-ming
- Guang-yuan Gong see Gong Guang-yuan
- Guangbo Gao see Gao Guangbo
- Guanghua Chen see Chen Guanghua
- Guangsui, L. see Luguang, Y. 1-51138
- Guangyin Zhang see Zhang Guangyin
- Guanjun Ni see Ni Guanjun
- Guardincerri, A. see Biserna, T.G. 1-30917
- Guardino, T.E. see Boyd, D.W. 1-49917
- Guardo, R. see de Guise, J. 1-48733
- Guardo, R. see Gallais-Hamonne, F. 1-52811
- Guarini, G. see Fanetti, E. 1-31463
- Guarino, C.R. A new method of spectral analysis and sample rate reduction for band-limited signals 1-51829
- Guarino, M., Jr. The planning of research and development of electrical traction for railroads in the light of the energy shortage 1-49768
- Guarnieri, C.R., Wieder, H. Wavelength-selective infrared detector 1-30122
- Guarrella, C. see Congeduti, F. 1-43436
- Guattari, G. see Cesini, G. 1-28799
- Guazzoni, P., Michelato, P., Moroni, A., Zetta, L., Taiocchi, G. DAG, a digital-to-analog generator of coincidence pulse pairs 1-48643
- Guba, A.A. see Nikolaenko, A.T. 1-38291
- Gubaidullin, F.F. see Gil'manov, A.N. 1-27573
- Gubankov, V.N., Koshelets, V.P., Ovsyannikov, G.A. Excess current in variable-thickness superconducting microbridges 1-28315
- Gubankov, V.N., Margolin, N.M. Nonlinear electrical phenomena and microwave detection in superconductor-normal metal contacts 1-28331
- Gubankov, V.N., Tarasov, M.A. Low-frequency noise of Josephson junctions 1-33005
- Gubankov, V.N. see D'yakov, V.P. 1-29824
- Gubanov, B.I. see Kal'nishevskii, V.Y. 1-31031
- Gubanov, N.N. see Pryanishnikov, V.A. 1-27200
- Gubanov, V.Ya. see Liseykin, I.D. 1-35046
- Gubarevich, V.N. see Arkushin, V.P. 1-31303
- Gube, M. Outgoing-longwave-flux computation from Meteosat data 1-34711
- Gubenkov, A.N. see Kulikov, E.L. 1-32923
- Gubin, V.P. see Bazarov, E.N. 1-51374
- Gubin, V.V., Mukhortov, A.M. Regulation of electrical power requirements in a metallurgical plant 1-35520
- Gubin, Yu.A. see Andreev, A.L. 1-48047
- Gubkin, E.S., Drichko, A.F., Karavaev, F.M., Sluzhneva, R.M. Spherical 4 $\pi$ -ionization chamber with a well 1-52713
- Gubonin, N.S., Karetko, A.I., Krinitsin, L.V. Influence of in-flight maintenance of measuring devices on the quality indices of the spacecraft rendezvous process 1-30493
- Gubrienko, K.I. see Vasiliev, V.V. 1-48466
- Gubser, D.U. see Howe, D.G. 1-28284
- Gubser, D.U. see Weiser, K. 1-51139
- Gubser, D.U. see Wolf, S.A. 1-46464
- Gubskaya, V.I., Lomako, V.M. Bipolar pulse generator for capacitive spectrometer 1-39982
- Guchait, B., Banerjee, R.N., Dutta, S. Computer aided reliability analysis of equipment of thermal power plant 1-49263
- Gucht, A. van see van Gucht, A.
- Gud, M.B. see Kovalyukh, V.R. 1-48268
- Gudefin, E. see Kauffmann, J.-M. 1-49516
- Guder, H., Abel, K., Hoffmeyer, H.-H. A concept for coal and coke 1-53267
- Gudkova, N.V. see Shabanov, V.N. 1-40486
- Gudmundsen, R.A. see Taur, Y. 1-41008
- Gudzenko, A.B., Telis, A.I. Analysis of the stability of pulse-duration speed regulation systems for DC motors 1-31513
- Gudzhunov, B.S. see Khristov, H.R. 1-34060
- Guegan, Y. see Notelet, F. 1-53450
- Gueguen, C. Linear prediction in case of non positive definite covariance matrices 1-37582
- Gueguen, C. Linear prediction in the singular case and the stability of eigen models 1-41759
- Guen, D. Le see Le Guen, D.
- Guena, J. see Soares, R.A. 1-40221
- Guenin, J.P., Ghillebaert, B., Funtowicz, C.  
Towards the integrated services digital network: TELECOM 1 1-47624
- Guenther, A.H. see Bettis, J.R. 1-51496
- Guenther, D.A. see Chiou, W. 1-31092
- Guercio, J.S. see Pecina, R.J. 1-47901
- Gueret, P. see Garcia, E. 1-52771
- Guerin, B. see Awad, S. 1-45312
- Guerin, D. see Aubourg, P. 1-51522
- Guerin, G. see Brice, J.M. 1-40700
- Guerin, J. see David, J.P. 1-53641
- Guerin, J.-M. see Chang, M.B. 1-28521
- Guernsey, R.W., Stasiak, J.W. Slip-on vacuum connection for low temperature use 1-26935
- Guerra, A. Del see Del Guerra, A.
- Guerra, F. Oil bath transformers: cooling by thermosiphon 1-31282
- Guerra, M.A. see Northam, D.B. 1-33206
- Guerrero, E. see Selberherr, S. 1-46063
- Guerris, S. see Armigliato, A. 1-40986
- Guerry, M. Evaluation of small signal transistors in metal cans 1-44717
- Guest, C.C. see Gaylord, T.K. 1-52495
- Guest, G.W. see Hardy, W.C. 1-43162
- Gugg, J. Software for controlling stepping and collector motors 1-35197
- Guggenbuhl, W. see Descombes, A. 1-28597
- Guggenbuhl, W. see Furrer, B. 1-45243
- Guglielmi, R. see Careno, A. 1-36969
- Guglielmi, R. see Thioulouse, P. 1-33084
- Guha, S., Narasimhan, K.L., Pietruszko, S.M. On light-induced effect in amorphous hydrogenated silicon 1-37003
- Guha, S. see See, Y.C. 1-33246
- Guha, S. see Subramanian, S. 1-36482
- Gui Zhenxing see Wang Yumin 1-41119
- Gui-Liang, F. Generalization of the minimum distance bound on Goppa codes 1-33534
- Gui-lin Yang see Yang Gui-lin
- Gui-sheng Tang see Tang Gui-sheng
- Gui-Ying Wang see Wang Gui-Ying
- Guiard, J.-P. see Classen, A. 1-47473
- Guibaly, F. El see El Guibaly, F.
- Guibas, L.J. see Fischer, M.J. 1-37764
- Guidi, M. see Marchesi, C. 1-48677
- Guidici, D.A. Evaluation-how can it aid innovation? 1-31797
- Guidoux, L., Behar, F. A 2.4 kbit/s two-wire full duplex modem with echo canceller 1-42016
- Guiducci, A. A new type of ionogram storage-and-display-system using a CCIR 625 lines/frame TV monitor 1-48846
- Guiducci, S. see Biagini, M.E. 1-48506
- Guifen Zhang see Zhang Guifen
- Guigliano, F.W. see Bogusch, R.L. 1-41239
- Guignard, G. Beam-beam limit as a function of the damping time in electron rings 1-43008
- Guignard, G. Adjustment of emittance ratio by coupling control in electron-positron storage rings 1-48505
- Guignard, J.P. Final acceptance of the MDA software SAR processor [radar imaging] 1-29803
- Guilbault, G.G. Uses of the piezoelectric crystal detector in analytical chemistry 1-28190
- Guilbeau, E.J., Mayall, E.J. Microthermocouple for soft tissue temperature determination 1-30396
- Guild, J.M. see Madan, R.N. 1-34002
- Guilfoyle, P.S., Hecht, D.L., Steinmetz, D.L. Joint transform time-integrating acousto-optic correlator for chirp spectrum analysis 1-51239
- Guillaume, J.C. see Mariette, H. 1-35951
- Guillaume, M.E., Bizeul, J.-C. Impulse response of a transmission medium: application to optical fibres 1-46484
- Guille, J. see Machet, J. 1-50327
- Guillemont, M. see Zimmermann, H. 1-37758
- Guillon, P., Balabaud, J.P., Garault, Y. TM<sub>01p</sub> tubular and cylindrical dielectric resonator mode 1-45615
- Guillon, P., Garault, Y. Complex permittivity measurement of MIC substrate 1-27610
- Guillon, P., Mekerta, S., Garault, Y. Microstrip bandstop filter using a dielectric resonator 1-40222
- Guillon, P., Mekerta, S., Garault, Y. A dielectric resonator bandstop filter 1-45617
- Guillou, D. see Ravinet, P. 1-47845
- Guimaraes, I. see Martins, R. 1-45897
- Guiragossian, Z.G.T., Orthel, J.L. Multi-stage intense ion beam electrostatic accelerator for ICF 1-43048
- Guiragossian, Z.G.T., Orthel, J.L., Lemons, D.S., Thode, L.E. Method of active charge and current neutralization of intense ion beams for ICF 1-48408
- Guiragossian, Z.G.T. see Christensen, T.C. 1-43180
- Guiraud, F.O. see Hogg, D.C. 1-34710
- Guise, J. de see de Guise, J.
- Guisti, P. see Basile, M. 1-43251
- Gujral, T. Singh see Singh Gujral, T.
- Gukallo, O.N. see Brailov, E.S. 1-30091
- Gukov, A.I., Chadin, A.B. Apparatus for diagnosing the structural condition of pylons. I. Vibration and electrochemical methods 1-38787
- Gul, K. see Waheed, A. 1-38428
- Gulachenski, E.M. see Emanuel, A.E. 1-39032, 1-44152
- Gulachenski, E.M. see Thomae, I.H. 1-34788, 1-43535
- Gulamov, A.A. see Ganceev, R.A. 1-41147
- Gulbrandsen, A. Multiprocessor nodes arrange communication 1-33795
- Gulczynski, J. see Staszak, Z. 1-27977
- Guldian, A. Plasma etching equipment for microelectronics 1-36570
- Guldenpenning, A. Five years operation of the Langenprozelten Pump-Storage Station [for railway power supply] 1-49338
- Guldenpenning, A. Ten years DWK—ten years electric power generation for DB's electric traction network 1-49736
- Guldi, R.L., Fontana, R.E., Jr., Bullock, D.C. Effects of multiple slice epitaxy and front end processing on generation threshold current in bubble memory devices 1-32985
- Guldmann, J.-M., Rosenthal, B.D. Modeling the interactions between geothermal energy use and urban structure 1-35076
- Guldseth, O.J., Kogler, W., Muller, K. Service experience with vacuum circuit-breakers 1-49637
- Gulev, V.S., Pivtsov, V.S., Folin, K.G. Differences in the free-lasing dynamics of ruby and neodymium lasers 1-37096
- Gulich, M. von see von Gulich, M.
- Guliev, A.O. see Abdullaev, G.B. 1-37010
- Gulin, V.N. see Znamenskiy, A.E. 1-40772
- Gulkok, Y.Z. see Saylor, T.K. 1-38372
- Gully, B. Berkeley—the middle years 1-53210
- Gulyaev, I.B. see Prikhod'ko, V.G. 1-32686
- Gulyaev, Yu.V., Mansfield, G.D., Orlova, G.A. Acoustoinjection transistor—a new type of electrically controlled transducer 1-36739
- Gulyukina, N.A. see Adonin, V.M. 1-32119
- Gumaste, A.V., Slemmon, G.R. Steady-state analysis of a permanent magnet synchronous motor drive with voltage source inverter 1-44406
- Gumen, N.B. see Petrenko, A.I. 1-39675
- Gumenyuk, B.V. see Byl'chenko, F.S. 1-36018
- Gumerova, N.I., Efimov, B.V., Kostenko, M.V. Calculation of deformation of atmospheric surges in transmission lines 1-49103
- Gumowski, I., Souriac, P. Analysis of the blood platelet control mechanism 1-27083
- Gunawardana, R. General purpose speech synthesis peripheral using LPC 1-41614
- Gunawardane, G., Hoff, S., Schrage, L. Identification of special structure constraints in linear programs 1-39627
- Gundel, W.D. see Grant, M.E. 1-48698
- Gunderson, B. see Behrend, H.-J. 1-43229

- Gunderson, G. *see* Potts, C. 1-48376
- Gunderson, G.R. *see* Rauchas, A.V. 1-42959
- Gunes, M. *see* McEwan, N.J. 1-46928
- Gun'ko, N.A., Konnikov, S.G., Popova, T.B., Tropp, E.A. Application of the Monte Carlo method to the solutions of problems of X-ray spectral microanalysis of thin heteroepitaxial films and structures based on them 1-27110
- Gunn, E.A. *see* Anders, G.J. 1-34785, 1-38662
- Gunn, J.G. *see* Belrose, J.S. 1-41415
- Gunn, M.W. *see* Jordan, T.A. 1-31787
- Gunnar Ahlborn, L., Larsson, B.-O., Zetterberg, L.H. A microprocessor system for real time analysis of EEG 1-30462
- Gunning, W. *see* Yeh, P. 1-51246
- Gunningham, A.H. Premoulded accessories join forces with HV polymeric cables 1-53088
- Gunshor, R.L. *see* Martin, S.J. 1-36755
- Guntensperger, J. *see* Dillier, N. 1-38521
- Gunter, P. Installation of telecommunications and electrical equipment in buildings with removable false floors 1-26870
- Gunter, P. The new telephone network connection system with 6 and 12-pole sockets and plugs 1-40283
- Gunter, P. Telecommunications and electrical installations in buildings with removable false floors. II 1-49949
- Gunter, P. Communication and electrical wiring in buildings with false floors. III 1-53074
- Gunther, B., Huffman, F.N. Characteristics of a cesiated W(110) electrode annealed in oxygen 1-31482
- Gunther, J. *see* Meier, P.J. 1-47735
- Gunther, K., Sander, S. Safeguarding supply and economy—an attempt at optimization in an electricity network 1-38718
- Gunther, K.D. Prevention of deadlocks in packet-switched data transport systems 1-33807
- Gunther, M. Innovations in light sources. Advances in compact fluorescent lamps 1-53764
- Gunther, M., Karger, R. Measuring and testing equipment for electric parameters of light sources 1-34228
- Gunther, W. *see* Ries, H. 1-48603
- Gunterodt, H.-J. *see* Muller, M. 1-29981
- Gunthersen, C. *see* Lauridsen, O. 1-38615
- Gunthorpe, G. *see* Nichols, S.T. 1-53743
- Guntner, H. *see* Braver, R. 1-42409
- Guntton, D. *see* Darby, B.J. 1-32933
- Gunzburger, M.D. *see* Fix, G.J. 1-35902
- Gunzel, K. The sensor as a system component in process measurements 1-34270
- Guo, T.C., Guo, W.W. A potential scattering formulation for mode couplings of electromagnetic waves in waveguides 1-37342
- Guo, W.W. *see* Guo, T.C. 1-37342
- Guo, Y.-N. *see* Seely, M.L. 1-43165
- Guo Gi-shoung, Zheng Pao-zheng, Zhuang Wei-hua, Hsu Chung-in Laser annealing of Zn ion implanted GaAs 1-50793
- Guo Kang-Jin *see* Wiley, J.D. 1-36491
- Guo Shi-lun Application of solid state track detector in science and technology 1-34495
- Guo-dong Li *see* Li Guo-dong
- Guo-guang Shen *see* Shen Guo-guang
- Guo-liang Zhu *see* Zhu Guo-liang
- Guo-Sheng Zhou, Caspersen, L.W. Modes of a laser resonator with a retroreflective mirror 1-37174
- Guoding, H., Shiyi, S. Some new results of Shannon theory 1-33466
- Guoxueng Pan *see* Pan Guoxueng
- Gupal, A.M. Minimizing method for functions that satisfy the Lipschitz condition 1-50224
- Gupalo, O.M. *see* Shats, Yu.Ya. 1-37715
- Gupta, A., Gupta, H. Optimal inspection policy for multistage production process with alternate inspection plans 1-39411
- Gupta, A. *see* Hoo-min D. Toong 1-36169
- Gupta, A. *see* Yau, T. 1-34772
- Gupta, A.D. *see* Maitra, A. 1-41235
- Gupta, A.K. *see* Decker, D.R. 1-45690
- Gupta, A.K. *see* Petersen, W.C. 1-45687
- Gupta, B. *see* Dewal, M.L. 1-49172
- Gupta, B. *see* Maken, N.J.S. 1-53692
- Gupta, B. *see* Sodha, M.S. 1-53691
- Gupta, B.C., Ramanujan, P.B. On  $k$ -quasihyponormal operators. II 1-50186
- Gupta, B.R., Thapar, B. Impulse characteristics of grounding electrodes 1-49173
- Gupta, C. Microwaves in medicine 1-38487
- Gupta, C.D. Prevention of cable pressure dam failures 1-33917
- Gupta, C.D. *see* Martin, I.E. 1-32488
- Gupta, G.P., Rohatgi, V.K. Evaluation of electrode voltage drop in Faraday-type MHD generators 1-31469
- Gupta, G.S., Claydon, B., Evans, B.G. Depolarisation effects of space-frame radomes [satellite ground stations] 1-41445
- Gupta, G.S. *see* Philippou, G.Y. 1-50607
- Gupta, G.S. *see* Gupta, A. 1-39411
- Gupta, H.M. Theory of dielectric relaxation in blocking contact MIM structures 1-27888
- Gupta, J.S. *see* Gopal, K. 1-35576
- Gupta, K.C., Chadha, R., Sharma, P.C. Two-dimensional analysis for stripline/microstrip circuits 1-47004
- Gupta, K.C., Sharma, P.C. Segmentation and desegmentation techniques for analysis of planar microstrip antennas 1-47040
- Gupta, K.K. Modern signalling on Indian Railways 1-31551
- Gupta, M.C., Kumar, A. On profit evaluation in a two-unit maintained redundant system 1-49968
- Gupta, O.R., Holt, A.G. Air-cooled module with conformal inner fin 1-35653
- Gupta, P.C. *see* Kotrappa, P. 1-52700
- Gupta, P.K., Kar, A.K., Taghizadeh, M.R., Harrison, R.G. 12.8- $\mu$ m  $\text{NH}_3$  laser emission with 4-60% power conversion and up to 28% energy conversion efficiency 1-46671
- Gupta, P.K. *see* Harrison, R.G. 1-51393
- Gupta, P.N.L. *see* Gupta, V.P. 1-50698
- Gupta, R. *see* Assal, F.T. 1-47647
- Gupta, R.R., Donnelly, S.F., Morris, P.B., Vence, R.L., Jr. Omega station 10.2 kHz signal coverage prediction diagrams 1-37984
- Gupta, R.R. *see* Healy, R.D. 1-52175
- Gupta, S. *see* Dobyns, T. 1-47640
- Gupta, S. *see* Elnoubi, S. 1-42196
- Gupta, S.C., Krikor, K.S., Muhamed, N.A. Synchronous drive using hybrid control system 1-53714
- Gupta, S.C. *see* Dewal, M.L. 1-49172
- Gupta, S.C. *see* Mittle, V.N. 1-53710
- Gupta, S.C. *see* Nair, R.A. 1-41435
- Gupta, S.C. *see* Singh, R. 1-33830
- Gupta, S.D., Al-Musawi, M.J. Optimum configurations of an n-section system 1-39454
- Gupta, S.Das *see* Das Gupta, S.
- Gupta, S.K. *see* Khosla, K.L. 1-31853
- Gupta, S.N. *see* Jain, V.K. 1-47542
- Gupta, V.P., Pal, K., Gupta, P.N.L. Evaporated thin film RC filters 1-50698
- Gupta, Y.P. Photovoltaic power system for the Oklahoma Center for Science and Arts (OCSA) 1-53325
- Gupta Avijit *see* Avijit Gupta
- Gupton, J.A., Jr. Unicorn-1 robot. VI 1-27549
- Gupton, J.A., Jr. Unicorn-1 Robot. VIII 1-33775
- Gupton, J.A., Jr. Unicorn-1 robot. VII. Adding remote control 1-37719
- Gupton, J.A., Jr. Unicorn-1 robot. IX 1-50590
- Guran, A. Survey of the electric power supply of the 400 GeV synchrotron accelerator in the experimental area at CERN 1-52622
- Gurari, M.L. *see* Gnatyuk, L.N. 1-50354
- Gurashvili, V.A. *see* Gasiev, A.G. 1-37076
- Gurbaxani, S.H., Jones, D.E., Tesche, F.M. On the effectiveness of charged wire structures for reducing electron backscatter in system-generated EMP simulators 1-48778
- Gur'ev, A.S. *see* Khokhlov, Yu.I. 1-39225
- Gurevich, A.S. *see* Ado, Yu.M. 1-48457
- Gurevich, A.V. Ducting of electromagnetic waves in weak waveguides in the ionosphere and magnetosphere 1-51605
- Gurevich, M.Kh. *see* Ivanov, V.A. 1-30640
- Gurevich, N.Yu. *see* Vinograd, E.L. 1-30328, 1-38438
- Gurevich, R.V. *see* Belousov, S.P. 1-47070
- Gurevich, V.L. *see* Gromov, V.S. 1-31709
- Gurevich, Yu.E., Kudryavtseva, L.F. Obtaining probability estimates of complex power system dynamic stability 1-43502
- Gurevich, Yu.E., Kudryavtseva, L.F. Obtaining stochastic estimates for the transient stability of complex power systems 1-48926
- Gurman, B. *see* Brindle, J. 1-30208
- Gurov, Yu.V. *see* Bazhenov, V.Yu. 1-51471
- Guru Bhag Singh *see* Bhag Singh Guru
- Gururaja, T.R., Newnham, R.E., Klicker, K.A., Lynn, S.Y., Schulze, W.A., Shrout, T.R., Bowen, L.J. Composite piezoelectric transducers 1-36735
- Gurvich, A.K. Method of computing scanning parameters for ultrasonic inspections of welded joints 1-45150
- Guryanov, A.N. *see* Andreev, A.T. 1-36870
- Gur'yanov, A.N. *see* Andreev, A.Ts. 1-28479
- Guryn, W. *see* Parker, S.I. 1-43235
- Gusakov, G.M. *see* Basov, Yu.G. 1-31649
- Gusarova, N.F. Determination of the geometrical position of a raster in TV measuring systems 1-30257
- Gusdal, I. *see* de Jong, M. 1-42881
- Gusdal, I. *see* Oh, S. 1-43155
- Guseinov, Dzh.T., Gasanov, N.E., Nani, R.Kh. Electrical and photoelectrical properties of  $\text{AgGa}(\text{S}_{1-x}\text{Se}_x)_2$  single crystals with  $x=0.5$  1-33103
- Guseinov, G.M. *see* Aliev, I.M. 1-33104
- Guseinov, G.M. *see* Dzhabavadov, M.G. 1-50083
- Gusel'nikov, E.M. *see* Alymkulov, K.A. 1-31330
- Gusel'nikov, E.M. *see* Baukov, N.A. 1-35172
- Gusev, A.V., Rudenko, V.N. Calculation of the voltage fluctuations of a Josephson contact 1-40870
- Gusev, A.V. *see* Panfilov, G.G. 1-38876
- Gusev, O.A. *see* Ageyev, A.I. 1-42866
- Gusev, V.D., Kunitsyn, V.Ye. Reconstruction of an ionospheric radio signal wave front 1-28920
- Gusev, V.D., Prikhod'ko, L.I. The angles of arrival of a reflected ionospheric signal in multibeam propagation 1-41250
- Gusev, V.G. *see* Vorobeychikov, E.S. 1-46693
- Gusev, V.K. *see* Voronin, Yu.V. 1-41007
- Gusev, V.N., Titov, V.V. The energy economics of a developing electrical power complex 1-43511
- Guseva, L.P. *see* Kramar, M.S. 1-49751
- Guseva, L.V., Sinitsyn, G.F. Some aspects of tungsten creep in the process of recrystallization and the initial sag of lamp filament 1-31646
- Gushchin, V.A. *see* Belyaev, B.F. 1-36444
- Gus'kov, S.V. *see* Lepeshinskii, I.N. 1-43842
- Gustafson, D.E. *see* Tolan, G.D. 1-48742
- Gustafson, G.C. Standoff reconnaissance imagery: applications and interpreter training 1-48902
- Gustafson, T.K. *see* Chen, C.W. 1-46641, 1-51263
- Gustafson, T.K. *see* Slayman, C.W. 1-45684
- Gustafsson, B. The convergence rate for difference approximations to general mixed initial boundary value problems 1-35912
- Gustafsson, H.A. *see* Bjornstad, T. 1-48551
- Gustavson, D.B. *see* Deiss, S.R. 1-42802
- Gustavson, H.G. *see* Geller, R. 1-38395
- Gustin, P. *see* Bouwman, H. 1-47357
- Gustin, P. *see* Schayes, R. 1-47358
- Gut, R.E. Efficiency of data transmission with discrete control of signal duration 1-42162
- Gut, R.E., Minevich, M.L. Data transmission with adaptation of elementary signal duration and code characteristics 1-41472
- Gut, R.E., Minevich, M.L., Sobchakov, L.A., Udalt'ev, Yu.E. A method for increasing the interference rejection of a receiver subject to interference in the near field 1-51660
- Gutberlet, H. Interaction of micro-electronic and electro-mechanical components in motor vehicles 1-31607
- Gutbier, E.A., Chavers, R.A., Ouellette, P.J. Recent developments on condensation soldering external leads to hybrid integrated circuits 1-45835
- Gutbrod, H.H., Maier, M.R., Ritter, H.G., Warwick, A.I., Weik, F., Wieman, H., Wolf, K.L. Charged particle identification with modules of the Plastic Ball 1-34433
- Guth, V., Abbink, F., Heinrichs, W., Theysohn, H. A method for simultaneous registration of motion and electromyography during walking 1-38499
- Guthrie, H.P., Young, D.A. Energy management in Telecom Australia 1-41857
- Gutierrez, J.L. *see* Inigo, R. 1-46458
- Gutierrez, R.H. *see* Laura, P.A.A. 1-40208
- Gutierrez Gonzalez, J.L. *see* Angulo Usategui, J.M. 1-40840, 1-51098
- Gutin, M.D. Detecting failure mechanisms in current-carrying equipment utilizing both an infrared line scanner and an infrared imager 1-47965
- Gutkin, A.A. *see* Gerasimov, A.L. 1-27882
- Gutknecht, M.H. Solving Theodorsen's integral equation for conformal maps with the fast Fourier transform and various nonlinear iterative methods 1-35923
- Gutkowicz-Krusin, D. *see* Abeles, B. 1-49670
- Gutman, M.B. *see* Fillipov, V.I. 1-31672
- Gutman, S., Schwartz, G. A root-clustering theorem 1-50074
- Gutmann, R.J. Solar power satellites as a class design project in the university 1-44617
- Gutmann, R.J. *see* Steckl, A.J. 1-40728
- Gutmann, R.J. *see* Sun, H.J. 1-45656
- Gutorenko, O.M. *see* Arkhipov, T.A. 1-48000
- Gutttag, K.M., Macourek, P.H. Video Display Processor 1-34211
- Gutteberg, O. Measurements of tropospheric fading and crosspolarisation in the Arctic using orbital test satellite 1-46910
- Guttman, I. *see* Dawid, A.P. 1-50132
- Guttner, K. *see* Zienert, J. 1-52636
- Gutyrya, A.N. *see* Shevchenko, V.I. 1-49485
- Guvemis, A. *see* Fischl, R. 1-49056
- Guy, A.W. *see* Wolbarsht, M.L. 1-30484
- Guy, J.R.F. *see* Davies, D.E.N. 1-51734
- Guy, J.R.F. *see* Rahim, T. 1-41431
- Guyker, W.C. Six-phase protection hurdle cleared 1-43764
- Guyomard, D. *see* van Amerongen, G. 1-44317
- Guyton, R.D. *see* McIngvale, P.H. 1-42323
- Guzman, A.M., Rueger, W.J., Steele, D.G. Magnetic holding device 1-40791
- Gvozden, B. Controlled electric-motor lift drive for higher speeds with squirrel cage induction motor 1-49717
- Gvozdetkii, V.S., Rublevskii, I.N. Calculation of the electrical conductivity of the multi-component plasma 1-49830
- Gvozdetkii, V.S. *see* Kotelnikov, D.I. 1-31717
- Gwinner, J.U. On the computation of the temperature distribution at the combustion chamber of a diesel engine using ADINAT 1-39658
- Gwyn, C.W. Custom MOS LSI circuit design 1-40729
- Gyavgyan, L.V. *see* Blokhin, A.A. 1-36975
- Gyergyek, L., Zazula, D. Natural languages as efficient codes 1-29082
- Gygi, E. *see* Jonker, M. 1-43256
- Gyorfi, L. Recent results on nonparametric regression estimate and multiple classification 1-31942

- Gyorfi, L.** The rate of convergence of  $k_n$ -NN regression estimates and classification rules 1-4158
- Gyorfi, Z., Molnar, L., Ostvath, L., Pomozi, A.** Real-time digital filtering of electrocardiographic signals by means of an Intel 8080 microprocessor 1-38512
- Gyr, M.** *see* Faugier, A. 1-48459
- Gyu-Ha Choe** *see* Min-Ho Park 1-49570
- Gyu-Hyeong Cho, Song-Bae Park** A new wide range current source converter for AC motor drive. I. Six-step inverter 1-35251
- Gyulai, J.** *see* Lohner, T. 1-50888
- Gyulai, J.** *see* Mezey, G. 1-40507
- Gyul'khandanyan, A.M.** *see* Ageyev, A.I. 1-42866
- Gyzulian, R.N.** *see* Janszky, J. 1-51502
- H. Lee Chi** *see* Chi H. Lee
- Ha, T.T., Grandfield, J.E.** System distortion effects on cross-correlation [TDMA Earth stations] 1-29057
- Ha Suh Chung** *see* Chung Ha Suh
- Haacke, G.** *see* Giglia, R.D. 1-52540
- Haaga, J.R., Miraldi, F., MacIntyre, W., LiPuma, J.P., Bryan, P.J., Wiesen, E.** The effect of mAs variation upon computed tomography image quality as evaluated by in vivo and in vitro studies 1-34612
- Haaland, D.M.** *see* Ginley, D.S. 1-50749
- Haaland, P.D.** *see* Brockett, P.L. 1-51759
- Haan, G.de** *see* de Haan, G.
- Haas, A.** On one property of a square matrix in the Frobenius normal form 1-44772
- Haas, G.** Recent thermionic emission studies at NRL 1-32545
- Haas, G.** A two-terminal constant current circuit 1-39899
- Haas, J.de** *see* de Haas, J.
- Haas, L.C., Smith, R.** Received-line-signal quality analysis 1-51819
- Haas, L.C., Stilwell, G.R., Jr.** Low noise optical receiver 1-30123
- Haas, P.** *see* Muller, G. 1-39650
- Haas, W.H., Lindquist, C.S.** Transitional FFT-based filters for delay estimation 1-36272
- Haas, W.H., Lindquist, C.S.** A synthesis of frequency domain filters for time delay estimation 1-41664
- Haase, C.** Peak value measuring device for detecting and evaluating inner overvoltages at the network analyzer 1-34954
- Haase, D.G.** *see* Gould, C.R. 1-43169
- Haase, E.** *see* Pasedach, K. 1-29217
- Haase, M.** Training of power station personnel using BEWAG as an example 1-49882
- Haase, M.A.** *see* Burgess, J.F. 1-45741
- Haase, W.C.** *see* Edison, J.C. 1-50963
- Haass, W.-D.** *see* Deutschmann, A. 1-47433
- Haasz, A.A., Lever, J.H.** Schlieren diagnostics of the Los Alamos hypersonic gas target neutron generator 1-48542
- Haave, B.** *see* Mendelsohn Ytrehus, A. 1-44613
- Haavisto, J., Pajer, G.A.** Characteristics of thin-film ring resonators 1-40946
- Habedank, U., Kugler, R.** Theoretical and experimental studies of the critical line length for the interruption of short-line faults 1-44283
- Habekotte, E., Hoefflinger, B., Renker, W., Zimmer, G.** A coplanar CMOS power switch 1-39900
- Habekotte, E., Hoefflinger, B., Renker, W., Zimmer, G.** Design and operation of integrated 300 volt MOS switches for the drive of capacitive matrices 1-46320
- Haber, I.** *see* Bisognano, J. 1-43009
- Haber, I.** *see* Garren, A. 1-42996
- Haber, R.** Euronet and videotex: competitive or complementary? 1-41933
- Haber, R.** *see* Kovacs, K. 1-43587
- Haberger, K.** *see* Ryssel, H. 1-27782
- Haberkorn, W.** *see* Albrecht, G. 1-34259
- Habermeier, H.-U.** Properties of indium tin oxide thin films prepared by reactive evaporation 1-51143
- Habert, M.** Architecture of a unified communication system for minicomputer interconnection 1-33827
- Habib, M.K., Cambanis, S.** Sampling approximations for non-band-limited harmonizable random signals 1-44865
- Habib, S., Minski, M.J., MacMahon, T.D.** A method of bremsstrahlung background reduction in intrinsic Ge detectors using anti-coincidence spectroscopy 1-30340
- Habib, S.E.-D., Eltoukhy, A.A.** Modelling the optical MIS thyristor 1-28010
- Habib, S.E.-D., Eltoukhy, A.A.** A new 'surface-states' mode of switching in M-thin insulator-n-p<sup>+</sup> devices 1-46007
- Habibollahi, H.** *see* Binns, D.F. 1-49141
- Habibullah, B.S.** Optimal governor control of a synchronous machine 1-35148
- Habich, A.B., Halter, E.A., Ramirez, C.N., Sweet, M.D.** Limit switch for printer carrier 1-27660
- Hablutzel, R., Herbst, O., Mohr, P.** Prefabricated outdoor cable terminations without porcelain for nominal voltages of 1 to 17 kV 1-49153
- Habock, A., Schmalzl, F.** Power supplies in remote areas [microwave links] 1-47316
- Habrat, A.** The four-channel transmitter ECG 1-38511
- Habuka, T., Yuki, S., Urabe, S.** Oscillation frequency analysis of voltage-controlled multivibrator using a piezoelectric resonator 1-45322
- Haccoun, D., Dufour, M.** Stack and input buffers overflow of stack decoding algorithms 1-33520
- Hachino, H.** *see* Misawa, Y. 1-36533
- Hachtel, G., Sangiovanni-Vincentelli, A., Visvanathan, V.** An optimization-based approach to model simplification [semiconductor devices] 1-46091
- Hachtel, G.D., Mack, M.H., O'Brien, R.R.** Semiconductor analysis using finite elements. II. IGFET and BJT case studies 1-50901
- Hachtel, G.D., Mack, M.H., O'Brien, R.R., Speelpenning, B.** Semiconductor analysis using finite elements. I. Computational aspects 1-50900
- Hack, W., Schott, W., Schneberger, H.** Software aspects of IDA: principles and implementations 1-29481
- Hackam, R.** *see* Govinda Raju, G.R. 1-40738
- Hackam, R.** *see* Klapas, D. 1-44433
- Hackbarth, M.** Development of a microprocessor-controlled U-V-irradiation apparatus 1-30475
- Hacker, P.S., Schrank, H.E.** Range distance requirements for measuring low and ultralow sidelobe antenna patterns 1-51680
- Hackett, C.M., Jr.** Adaptive arrays can be used to separate communication signals 1-33391
- Hackett, D.F.** *see* Lugtu, R.L. 1-34829
- Hackley, D.S.** The General Dynamics superconducting magnet for the Large Coil Program—a progress report 1-51117
- Hackley, D.S., Kruse, G.S., Ring, D.S.** The ORNL/General Dynamics/Airco design for the DOE 12-tesla magnet program 1-28380
- Hackstein, H., Scham, M.** A new microprocessor concept to reduce software costs 1-45399
- Hackwood, S.** *see* Beni, G. 1-34332, 1-51225
- Hackwood, S.** *see* Dautremont-Smith, W.C. 1-36979
- Haddad, H., Chang, D.C.** Transient electromagnetic field generated by a vertical electric dipole on the surface of a dissipative Earth 1-33347
- Haddad, N., Bartz, W.J.** Micromasurements in convex highly loaded lubricated contacts 1-52563
- Haddad, N.F.** *see* Clark, L.J. 1-50905
- Hadden, H.** *see* Burrell *see* Burrell Hadden, H.
- Haddon, J., Lo, P., Mousley, T.J., Vilar, E.** Measurement of microwave scintillations on a satellite down-link at X-band 1-46914
- Haddon, J.** *see* Mousley, T.J. 1-51603
- Hadjimimos, A.** *see* Evans, D.J. 1-45040
- Hadjifotiou, A., Rodrigues-Tellez, J.** Automatic data acquisition and parameter estimation of nonlinear device models 1-42565
- Hadjiioannou, T.P.** *see* Efstathiou, C.E. 1-40009
- Hadley, L.J.** New chips that simplify motor control 1-35200
- Hadley, M.R.** Isolation amplifier 1-36122
- Hadorn, E., Butikofer, J.-F.** Digital transmission in the telecommunications network of Swiss PTT 1-29298
- Hadwick, J.G.** *see* Penman, J. 1-53413
- Hadzidakis, N.E.** Five-chip meter measures impedances ratiometrically 1-34306
- Haebel, E.** *see* Bernard, P. 1-48533
- Haerberli, W., Barker, M.D., Caskey, G., Gossett, C.A., Mavis, D.G., Quin, P.A., Sowinski, J., Wise, T.** The Wisconsin colliding-beam negative polarized-ion source 1-43150
- Haerberli, W.** *see* Barker, M.D. 1-43164
- Haefner, H., Morawetz, H., Oelgart, G.** Cathodoluminescence measurements on green light-emitting GaP diodes 1-28602
- Haegel, K.H., Kisela, E., Ulrich, R.** Tunable FIR generation by optical mixing in LiNbO<sub>3</sub> waveguides 1-37220
- Haenschke, D.G., Kettler, D.A., Oberer, E.** Network management and congestion in the US telecommunications network 1-33887
- Haensel, R.** Comparison of laboratory and synchrotron radiation EXAFS facilities 1-34523
- Haering, R.R.** *see* McKinnon, W.R. 1-44349
- Haeringen, W.** *see* Van Haeringen, W.
- Haertelmeyer, P.** Microprocessors: new triumphs for electric heating 1-31677
- Haerter, H.** *see* Gruner, K. 1-29720
- Haesendonck, C.** *see* Van Haesendonck, C.
- Hafele, W., Kirchmayer, L.K. (editor)** Modeling of Large-Scale Energy Systems. Proceedings of the IASA/IFAC Symposium on Modeling of Large-Scale Energy Systems 1-30863
- Hafer, C.H.** *see* Crooks, W. 1-36821
- Hafer, L., Parker, A.C.** A formal method for the specification, analysis, and design of register-transfer level digital logic 1-45432
- Hafez, H.M.** *see* El-Tanany, M.A. 1-50471
- Hafich, M.J.** *see* Kawanishi, H. 1-51464
- Hafner, C., Ballistic, R.** Electromagnetic waves on cylindrical structures calculated by the method of moments and by the point-matching technique 1-51593
- Hafner, E.R.** *see* Braun, F.G. 1-29329
- Hafner, K.** *see* Holze, D. 1-49821
- Hafsia, M.** *see* Ben Hafsia, M.
- Hafstad, T.J.** Hollow masts give rigidity and strength, but what about the wood pecker 1-49145
- Haga, O.J.** Expansion of telecommunications network 1-33735
- Hagberg, E.** *see* Burq, J.P. 1-52679
- Hage, J.A., Prestinario, J.A., Sidingar, J.L., Savage, J.C.** Developing software for the stored program controlled network 1-37832
- Hagedoorn, H.L.** *see* Botman, J.I.M. 1-42798
- Hagedoorn, H.L.** *see* Corsten, C.J.A. 1-43042
- Hagedorn, F.B.** *see* Nelson, T.J. 1-28257
- Hagedorn, P., Schafer, B.** On non-linear free vibrations of an elastic cable 1-28947
- Hageler, K.** *see* Bae, E. 1-33864
- Hagenauer, J., Papke, W.** Data transmission via the real and stored MARISAT channels using small ship antennas 1-29704
- Hagenauer, J.** *see* Bahl, L.R. 1-33519
- Hagenmuller, P.** *see* Demazeau, G. 1-46394
- Hagenmuller, P.** *see* Vlasse, M. 1-28571
- Hager, P.** Laser applications 1-28827
- Hager, P.** Switches 1-35292
- Hager, P.** New Cables 1-53099
- Hagermann, D.C., Hill, R.E., Hunter, W.T., Macek, R.J., van Dyck, O.B.** LAMPF dual-energy operation 1-48347
- Hagfors, T., Lehtinen, M.** Electron temperature derived from incoherent scatter radar observations of the plasma line frequency 1-52942
- Hagg, H.A.** Induction furnace voltage flicker reduction 1-31705
- Hagg, H.A.** Induction furnace voltage flicker reduction 1-35515
- Haggag, A.** Improvements and computational results of the generalized reduced gradient (GRGAH) algorithm 1-35826
- Haggan, V., Ozaki, T.** Modelling nonlinear random vibrations using an amplitude-dependent autoregressive time series model 1-35750
- Haggard, L.** Signature analysis in practice 1-38089
- Haggard, L.** *see* Simpler with self test 1-38091
- Haggard, L.** *see* Ericsson, J.E. 1-38092
- Hagihara, E., Akaike, M., Imai, N.** Radiation suppressed high-Q dielectric resonators for MIC applications 1-27597
- Hagihara, T., Nagata, S., Ayai, N.** Temperature dependence of the photovoltaic effect in PbI<sub>2</sub> single crystals 1-40991
- Hagino, Y.** *see* Yamada, H. 1-47728
- Hagisawa, T.** *see* Sekine, M. 1-37959, 1-47708
- Hagiwara, H., Imai, S., Hanayama, K.** 45-inch projection receivers: NTSC 3.58 receiver; PAL/SECAM/NTSC 4.43/NTSC 3.58 receiver 1-47783
- Hagiwara, N.** *see* Ito, Y. 1-27391
- Hagiwara, S.** *see* Obata, O. 1-49535
- Hagiwara, S.** *see* Yamakido, K. 1-33870, 1-52005
- Hagiwara, T.** *see* Hosoe, T. 1-33769
- Hagiwara, Y., Sawase, T., Takai, A., Kita, Y.** A single-chip microcomputer with realtime rewritable nonvolatile data storage 1-27475
- Haglund, R.F., Jr., Nowak, A.V., Czuchlewski, S.J.** Gaseous saturable absorbers for the Helios CO<sub>2</sub> laser system 1-51518
- Haglund, R.F., Jr.** *see* Carlson, R.L. 1-51347
- Hagmann, M.J.** Convergence tests of several moment-method solutions [plane wave scattering] 1-41214
- Hagmann, M.J., Gandhi, O.P., Ghodgaonkar, D.K.** Application of moment-methods to electromagnetic biological imaging 1-48693
- Hagner, J.** Dependence of the coercivity field strength on the packing density of small particles of hard ferrite powder. I 1-28231
- Hagston, F.W.** *see* Killoran, N. 1-27825
- Hahan, F.W., Jr., Mueller, M., III** Head wear sensors 1-42599
- Hahn, C.E.W.** Techniques for measuring the partial pressures of gases in the blood. II. In vivo measurements 1-43279
- Hahn, G.** Telemetering—the technology of long-distance transmission of measurements 1-29390
- Hahn, G.** The automorphism group of a product of hypergraphs 1-44921
- Hahn, H.** The proton-proton colliding beam facility ISABELLE 1-42865
- Hahn, H., Dahl, P.F., Kaugerts, J.E., Prodell, A.G.** Upgraded coil configuration for ISABELLE magnets 1-52640
- Hahn, H.** *see* Falkenberg, E. 1-53081
- Hahn, H.** *see* Opitz, R. 1-31569
- Hahn Song Yop** *see* Song Yop Hahn
- Hahne, G., Kober, H.** Modern construction of power cables 1-30740
- Hahnemann, H.** To the possibility of realization of the computable mutual inductance comparison standard according to Page 1-34176

- Hahnemann, H.** Resonance measuring bridge for frequency-dependent high-accuracy measurements of inductance comparison standards 1-34331
- Hai Chin Tung** *see* Tung Hai Chin
- Hai Hoc Hoang** *see* Hoang Hai Hoc
- Hai-zheng Su** *see* Su Hai-zheng
- Haider, G.** The electrical equipment of a stretching and degreasing line 1-31700
- Haifa Al-Ani** *see* Spear, W.E. 1-40996
- Haig, A.L.** A review of the effects of unbalance in power networks and methods of monitoring 1-43572
- Haigler, R.M.** *see* Bussey, W.S. 1-42479
- Hailey, C.J., Hamilton, T.T., Ku, W.H.-M.** Imaging X-ray spectrophotometers 1-43265
- Hailey, C.J.** *see* Ku, W.H.-M. 1-34466
- Halpern, B.T.** A simple protocol whose proof isn't 1-41989
- Haimes, R.** *see* Caulfield, H.J. 1-29218
- Haimes, R.F.** *see* Blower, R.W. 1-35321, 1-44294
- Haines, A.A., Salgado, J.M., Strauss, G.E.** Automated test selection for spectrum analyzer 1-48018
- Hairer, E.** Order conditions for numerical methods for partitioned ordinary differential equations 1-32034
- Hairston, L.E.** *see* Sauerland, E.K. 1-48714
- Haisenko, P.** Ignition equipment with constant closed period 1-35483
- Haisenko, P.** Ignition system with increased closing angle 1-35484
- Haistler, W.E.** *see* Allen, D.H. 1-39683
- Haissinski, J.** *see* Behrend, H.-J. 1-43229
- Hajdich, P.** *see* Burger, I. 1-50365
- Hajek, B.** Dynamic decentralized estimation and control in a multi-access broadcast channel 1-29613
- Hajek, B.** Information of partitions with applications to random access communications 1-33467
- Hajek, J.** Solar cells production 1-44372
- Hajek, J.** Electronic testers for matchmakers 1-52425
- Hajek, Z.** A parallel stabiliser from a different viewpoint 1-39911
- Hajivandi, M.** *see* Gardner, W.A. 1-37397
- Haji, I.N.** An updating algorithm for the shortest path problem 1-45163
- Haji, I.N., Ping Yang, Trick, T.N.** Avoiding zero pivots in the modified nodal approach 1-36047
- Haji, I.N., Skelboe, S.** Steady-state analysis of piecewise-linear dynamic systems 1-27231
- Hakalahti, H.** *see* Tervonen, M. 1-29969
- Hakanson, H.** *see* Ivarsson, A. 1-43315
- Hakansson, K.** *see* Bartels, J. 1-35206
- Hakansson, K.** *see* Hellborg, R. 1-42844
- Haken, H.** Light. Vol.1. Waves, photons, atoms 1-44624
- Hakjowicz, L.A., Bramley, E.N., Browning, R.** Drift analysis of random and quasiperiodic scintillations in the ionosphere 1-46883
- Hakoda, K.** *see* Shikano, K. 1-41548
- Hakonsen, O.P.** Prospects of development in satellite telecommunications in the 1980s 1-33958
- Hakopian, H.** Multivariate divided differences and multivariate interpolation of Lagrange and Hermite type 1-35870
- Hala, I.** Demands on electrical apparatus deduced from a system solution of electric distribution networks in agriculture 1-49063
- Halama, H.J.** *see* Briggs, J. 1-48293
- Halama, H.J.** *see* Schneider, W.J. 1-42829
- Halamaj, J.** *see* Lippitt, M.E. 1-37710
- Halas, A., Marks, J., Pytkowski, S., Szreter, M.** Vacuum technology in development of modern electron technology [VLSI] 1-32848
- Halas, G.J.** Power Factor Controller. What is it? What are its applications? 1-49007
- Halasa, G.H.** Radio noise meter for the detection of incipient faults on high-voltage transmission lines 1-30834
- Halasz, S.** Optimal control of voltage source inverters supplying asynchronous motors 1-53466
- Halasz, S., Schmidt, I.** Electric power source for starter motor tests 1-31578
- Halavee, U.** *see* Tamir, M. 1-28757
- Halbach, K., Chin, J., Hoyer, E., Winick, H., Cronin, R., Yang, J., Zambre, Y.** A permanent magnet undulator for SPEAR 1-48391
- Halbach, K.** *see* Winick, H. 1-38348
- Halbach, R.E., Battocletti, J.H., Salles-Cunha, S.X., Sances, A., Jr.** The NMR blood flowmeter—design 1-43308
- Halbach, R.E.** *see* Battocletti, J.H. 1-43307
- Halbach, R.E.** *see* Salles-Cunha, S.X. 1-43309
- Halbeisen, M., Mouligner, J.C.** Computer-aided quality control for turbocchargers 1-49311
- Halberg, N., Kleinbloesem, B.A., Willemsen, P.** Wind power with pumped storage in electricity production 1-43999
- Halbleib, J.A.** *see* Miller, P.A. 1-38389
- Halbout, J.M., Blit, S., Tang, C.L.** Evaluation of the phase-matching properties of nonlinear optical materials in the powder form 1-33273
- Halbritter, H.** *see* Bauer, W. 1-43110
- Halbritter, J.** On residual RF losses and tunnel currents caused by interface states 1-28345
- Halbritter, J.** *see* Philipp, A. 1-28292
- Hale, D.** Choosing transformers—the drier the better 1-35210
- Hale, G.J.** Uniform aluminum deposits on large nonplanar and planar polyimide substrates by physical vapor deposition 1-27150
- Hale, J.R.** *see* Leupold, M.J. 1-51127
- Halfacree, R.S., Gostelow, I.B.** Computer techniques for the design of street lighting 1-44477
- Halfmann, K.** *see* Klein, H. 1-43088
- Halfmann, K.** *see* Muller, R.W. 1-48336
- Halfmann, K.-D.** *see* Junior, P. 1-38336
- Halford, G.J., Cullagh, W.J.** Design studies for a thinned active planar array 1-41412
- Halgren, R.C., Peterson, I.R.** Simple phase-locked loop with large pull-in range to noise bandwidth ratio 1-39986
- Haliyak, C.A.** The maximal slope of a sinusoid and the accurate digital filter 1-41782
- Hall, A.L.** *see* Riederer, S.J. 1-34591
- Hall, C.D.** Canadian telecommunications and BNR 1-29258
- Hall, C.F.** Perceptual coding in the Fourier transform domain 1-29230
- Hall, D.** Further notes on some recent receivers. II 1-34065
- Hall, D.G.** Optimum mode size criterion for low-gain lasers 1-37191
- Hall, D.J.** *see* Coombs, V.D. 1-44675
- Hall, D.R.** *see* Allcock, F. 1-33182
- Hall, E.** ADC front end withstands high common-mode voltages 1-40176
- Hall, E.** Flat panels challenge CRTs for large-area displays 1-52526
- Hall, E.L., Hwang, J.J., Sadjadi, F.A.** Pattern recognition guidelines for three-dimensional image matching 1-47206
- Hall, E.L.** *see* McPherson, C.A. 1-48892
- Hall, E.L.** *see* Sadjadi, F.A. 1-48893
- Hall, E.L.** *see* Tio, J.B.K. 1-43296
- Hall, F.F.** *see* Lawrence, T.R. 1-48864
- Hall, F.M.** *see* Corfield, J.R. 1-43298
- Hall, G., David, N.G., Regan, J.H.** The optimisation and management of the maintenance of electricity distribution equipment 1-48992
- Hall, H.M., Kadota, T.T., Seery, J.B., Silverberg, M.H.** Detection of weak secondary signals with the aid of already detected strong primary signals 1-37563
- Hall, J.E., Jacobson, L.A., Johnstone, C.W.** Improvements in pulsed neutron capture logging 1-38569
- Hall, J.F., Mauldin, T.P.** Wind tunnel studies of the insulator contamination process 1-34910
- Hall, L.A.** *see* Mikkelsen, J.M. 1-32311
- Hall, M.** *see* Goodman, M.S. 1-34447
- Hall, M.G., Lloyd, G.E.** The SEM examination of geological samples with a semiconductor back-scattered electron detector 1-43417
- Hall, M.P.M.** *see* Cherry, S.M. 1-33334
- Hall, M.P.M.** *see* Goddard, J.W.F. 1-46902
- Hall, M.W.** *see* Marks, R.J. 1-47187
- Hall, N.J.** *see* Rankin, M.B. 1-30556
- Hall, N.R., Jackson, R.G.** TOUCH-A-MATIC S telephone—styled for the residence market 1-37789
- Hall, P.** On nonparametric multivariate binary discrimination 1-35756
- Hall, P.M.** Solder post attachment of ceramic chip carriers to ceramic film integrated circuits 1-45834
- Hall, P.S., Wood, C., James, J.R.** Recent examples of conformal microstrip antenna arrays for aerospace applications 1-41428
- Hall, P.S.** *see* James, J.R. 1-28999
- Hall, R.** *see* Yeh, P. 1-51246
- Hall, R.B., Birkmire, R.W., Phillips, J.E., Meakin, J.D.** Thin-film polycrystalline  $\text{Cu}_2\text{S}/\text{Cd}_{1-x}\text{Zn}_x\text{S}$  solar cells of 10% efficiency 1-44354
- Hall, R.D., Whetter, J.** The application of 2 Mbit/s digital line systems to symmetric pair cables 1-42138
- Hall, R.L.** *see* Khoshnevisan, M. 1-33097
- Hall, R.N.** Silicon photovoltaic cells 1-44368
- Hall, R.T.** Electric vehicles and the corporate average fuel economy 1-31596
- Hall, S.W.** *see* Coleman, W.E. 1-42688
- Hall, T.C.** *see* Peters, J.W. 1-46082
- Halladay, J.A.** *see* Adielson, T. 1-44166
- Halladay, N.P.** *see* Batchelor, A.S. 1-53293
- Hallais, J., Andre, J.P., Mircea-Roussel, A., Mahieu, M., Varon, J., Boissy, M.C., Vink, A.T.** Electrical and optical properties of n-type  $\text{AlGa}_{1-x}\text{As}$  grown by MO-VPE 1-50779
- Hallais, J.P.** *see* Mircea-Roussel, A. 1-27822
- Hallberg, D.** *see* Baribaud, G. 1-42939
- Hallberg, P.-A., Viklund, B.** Construction practice BYB for transmission equipments 1-42018
- Halle, H.** Tests of valvegear at the EDF centre, Les Renardières 1-53202
- Haller, E.E.** *see* Hansen, W.L. 1-34450
- Haller, E.E.** *see* Llacer, J. 1-34586
- Haller, H.** Computer aided machining of PCBs 1-50677
- Haller, H.R.** A photon detection system for dynamic light scattering 1-52467
- Haller, R.A.** *see* Powers, R.S. 1-47810
- Haller, W.K.** *see* Sanders, D.M. 1-50320
- Halford, B.R.** Simple Balun-coupled mixers 1-45676
- Hallgren, A.** *see* Cockerill, D. 1-43233
- Halliyal, A., Bhalla, A.S., Newnham, R.E., Cross, L.E.**  $\text{Ba}_2\text{TiGe}_2\text{O}_8$  and  $\text{Ba}_2\text{TiSi}_2\text{O}_8$  pyroelectric glass-ceramics 1-32891
- Halme, S.J.** *see* Sharma, A.B. 1-28490
- Halperin, J., Halperin, S.A.** Static electricity in the production environment 1-31865
- Halperin, S.A.** *see* Halperin, J. 1-31865
- Halperin, W.P.** *see* Owers-Bradley, J.R. 1-48209
- Halpern, E.H.** *see* Friedman, B. 1-31827
- Halpin, T.F.** *see* Fischl, R. 1-49056
- Halpin, W.S.** Carrier current techniques for data communications 1-29464
- Halsal, F., Ruela, J.A., Al-Jaff, A.** An X-25 based local area data network 1-29439
- Halsall, F.** *see* Grimsdale, R.L. 1-37759
- Halter, E.A.** *see* Habich, A.B. 1-27660
- Haltsonen, S.** Improvement and comparison of three phonemic segmentation methods of speech 1-41605
- Haltsonen, S.** *see* Kohonen, T. 1-29143
- Haltsonen, S.** *see* Riittinen, H. 1-41592
- Halyo, N.** *see* Huck, F.O. 1-37639
- Halzi, J.** Energy planning and energy economics in the United States of America. III 1-49226
- Ham, D.O.** *see* Nowak, A.V. 1-33278
- Ham, R.A.** Radio observation of the 'active' Sun 1-29830
- Hamabata, H.** *see* Namikawa, T. 1-46875
- Hamacher, H.-H., Pettersson, G.** First-order PCM multiplex in the BYB construction practice 1-42019
- Hamada, H., Morooka, H., Hirai, H.** Fabrication of epitaxial  $\text{PbTiO}_3$  thin film 1-32071
- Hamada, H.** *see* Morikawa, Y. 1-33651, 1-45074
- Hamada, N.** *see* Takenaka, A. 1-32132
- Hamada, S.J.** *see* Yodokawa, T. 1-47082
- Hamada, T.** *see* Hara, Y. 1-28080
- Hamada, Y.** *see* Izumi, K. 1-51912
- Hamada, Y.** *see* Morishita, M. 1-34082
- Hamagaki, M.** *see* Hara, T. 1-51384
- Hamaguchi, T.** *see* Nakaoka, M. 1-44236
- Hamakawa, Y.** 'Sunshine Project' solar photovoltaic program and recent R&D activities in Japan 1-53654
- Hamakawa, Y.** *see* Ohtsuka, K. 1-45981
- Hamakawa, Y.** *see* Okamoto, K. 1-41024, 1-46649
- Hamakawa, Y.** *see* Okuyama, M. 1-42624
- Hamakawa, Y.** *see* Tawada, Y. 1-53613
- Hamamoto, N.** *see* Kawaguchi, N. 1-51707
- Hamamoto, N.** *see* Sasaoka, H. 1-47618
- Hamamura, M.** *see* Fujii, T. 1-40298
- Haman, K., Glowczewski, P., Kossobudzki, L., Lachowicz-Balcer, T.** A new boundary-layer radiosonde 1-48848
- Hamanaka, K.** *see* Kyuma, K. 1-51540
- Hamann, J.** Steady-state performance and a minimum weight design of a homopolar inductor alternator 1-49435
- Hamann, J.R., Miske, S.A., Jr., Johnson, I.B., Courts, A.L.** A zinc oxide varistor protective system for series capacitors 1-30807
- Hamann, J.R., Miske, S.A., Jr., Johnson, I.B., Courts, A.L.** A zinc oxide varistor protective system for series capacitors 1-38822
- Hamann, J.R.** *see* Csendes, Z.J. 1-38821
- Hamano, M.** *see* Yamane, T. 1-33902
- Hamar-Thibault, S., Trilhe, J.** Transmission electron observations of the early stage of epitaxial growth of silicon on sapphire 1-32060
- Hamasaki, M.** Effect of adding HCl to the oxidizing ambient on characteristics of metal-oxide-semiconductor capacitors 1-46010
- Hamasaki, T., Hirose, M., Kurata, H., Taniguchi, M., Osaka, Y.** Novel deposition technique of a-Si:H—silane glow discharge in magnetic field 1-39817
- Hamasaki, T.** *see* Hirose, M. 1-45105
- Hamata, V., Heller, B., Staffl, M.** Some considerations about transient phenomena in transformers 1-36368
- Hamata, V., Heller, B., Staffl, M.** Theory of unipolar magnetic flux in an induction machine 1-49448
- Hamdi, E.S.** *see* Mohamadein, A.L. 1-49437
- Hamdy, E.Z.** *see* Elmasy, M.I. 1-32262
- Hamdy, M.M., Owers, M.P., Waterhouse, R.B.** A new high-temperature fretting wear test rig 1-39388
- Hamdy, S.M.A.** *see* Parker, E.A. 1-51654
- Hameed, M.A.S.** *see* Kalpakam, S. 1-39460
- Hamel, J.** *see* Jonard, F. 1-35451
- Hamelin, J.** *see* Gole, P. 1-28899
- Hamer, K., Smith, G.** Long-distance television reception. I. An introduction 1-42405
- Hamer, P.** van den *see* van den Hamer, P.
- Hamers, L.K.** *see* Goemans, P.A.F.M. 1-49762
- Hames, J.L.** *see* Anzelone, T.A. 1-44709
- Hames, M.D., Sudworth, J.L.** A sodium/sulphur battery for rail applications 1-31404
- Hamid, M.** *see* Ittipiboon, A. 1-46520
- Hamidi, M.** *see* Rodot, H. 1-39759
- Hamied, M.A.** *see* Fadel, M.A. 1-52817

- Hamill, D.C.** Transient response of audio filters 1-45449
- Hamill, J.J.** *see* Becchetti, F.D. 1-38413
- Hamilton, B.** Software control for the HP electron beam lithography system 1-50966
- Hamilton, B.** *see* Brunwin, R.F. 1-32642
- Hamilton, B.** *see* Jesper, T. 1-27828
- Hamilton, B.** *see* Wight, D.R. 1-40412
- Hamilton, B.H.** *see* Andersen, B.E. 1-53538
- Hamilton, C.A., Lloyd, F.L., Kautz, R.L.** Analog measurement applications for high speed Josephson switches 1-28318
- Hamilton, C.B., Heyes, R.L., Steele, S.G., Steury, T.D.** Sensor test circuit 1-36294
- Hamilton, C.H.** *see* Grupp, G. 1-41442
- Hamilton, D.J.** *see* McCormick, J.B. 1-36431
- Hamilton, D.J.** *see* Raymond, L.S. 1-36414
- Hamilton, D.K.** Measurements of dipole domains in indium phosphide using a new point-contact probe 1-27802
- Hamilton, D.K.** Estimation of the conduction band deformation potential in indium phosphide from the temperature variation of drift mobility 1-36483
- Hamilton, D.K.** Optimum design of wide-bandwidth, low-noise photodiode amplifiers. 1: Bandwidth 1-51281
- Hamilton, J.A.** *see* Barrett, D. 1-53752
- Hamilton, K.** Modification gives pulsed output for utility timer 1-27534
- Hamilton, R.** *see* Parker, S.I. 1-43235
- Hamilton, S.E., Stern, G.J.** Small active phased array characteristics with GaAs IMPATT amplifier modules 1-47074
- Hamilton, T.T.** *see* Hailey, C.J. 1-43265
- Hamilton, W.C.** *see* Walker, M.S. 1-28287
- Hamilton, W.H., Jr., Riley, D.R.** CRBRP control room and man-machine interface 1-30908
- Hamilton, W.L.** Dry film performance on electroless copper 1-32496
- Hamilton, W.O.** *see* Campisi, I.E. 1-27337
- Hamilton, W.O.** *see* Oelfke, W.C. 1-30079
- Hamlin, D.R., Grothues, H.L.** Automated data processing for ASME section XI requirements using the SUTAR system 1-35988
- Hamm, R.** *see* Hansborough, L. 1-38338
- Hamm, R.W.** The advantages of combining an EBIS with the PIGMI technology 1-38379
- Hamm, R.W., Crandall, K.R., Fuller, C.W., Hansborough, L.D., Jameson, R.A., Knapp, E.A., Machalek, M.D., Potter, J.M., Rodenz, G.W., Stokes, R.H., Stovall, J.E., Swenson, D.A., Wangler, T.P., Williams, S.W.** The RF quadrupole linac: a new low-energy accelerator 1-42880
- Hamm, R.W.** *see* Shubaly, M.R. 1-38376, 1-43046
- Hamm, R.W.** *see* Stokes, R.H. 1-48469
- Hamm, R.W.** *see* Stovall, J.E. 1-38337
- Hamman, M.S.A.A.** *see* Ito, T. 1-32917
- Hamman, B.L., Sumner, J.F., Wyatt, R.M.H.** Assessing the electrostatic behaviour of clothing for use in an explosive environment 1-35612
- Hammar, R.O.** *see* Jones, M. 1-34688
- Hammel, J.W., Bodisco, U., Mattheck, C.** An elastic-plastic finite element analysis of a CT fracture specimen 1-39720
- Hammel, R.O.** Sealed lead acid batteries for aircraft applications 1-30522
- Hammer, C.** Life cycle management 1-37751
- Hammer, D.A.** *see* Neri, J.M. 1-48556
- Hammer, K., Kluge, K.** Particularities in the development of DC voltage equipments with high discharge currents 1-34953
- Hammer, R.** *see* Gegenwarth, R.E. 1-50018
- Hammer, W.** Semi-customised ICs of the CMOS type 1-36677
- Hammerl, M., Kofler, H., Aichholzer, G.** Air cored asynchronous motor with superconducting boosting excitation 1-49465
- Hammerle, W., Trey, K.M.** A new, event driven simulation system for test program generation, diagnosis and automatic error tracing for digital boards 1-47927
- Hammerli, S.** Criteria for the choice of components for professional electronic equipment 1-49997
- Hammerli, S.** *see* Bretscher, M. 1-26949
- Hammerling, N.** *see* Butz, U. 1-44257
- Hammerschmitt, B.T.** *see* Beyers, B.W., Jr. 1-29875
- Hammerstad, E.** Computer-aided design of microstrip couplers with accurate discontinuity models [microwave ICs] 1-45658
- Hammond, B.** Solar photovoltaic power for residential use 1-31104
- Hammond, B.** *see* Clark, R.J. 1-46042
- Hammond, B.R.** Combined lapping jig and scanning electron microscope specimen carrier 1-26907
- Hammond, P.** Calculation of torque in electrical machines by Lagrangian methods 1-53384
- Hammond, R., Henry, J.** High power vector summation switching power amplifier development 1-50272
- Hammond, R.B.** *see* Ahrenkiel, R.K. 1-32756
- Hammond, S.W.** How limiting amps affect DIFM receiver performance 1-47720
- Hammond, T.** *see* Lama, W. 1-31636
- Hammons, S.W., Ashby, V.J.** Mechanically dithered RLQ at the quantum limit 1-52892
- Hammons, T.J.** Shaft torsional phenomena in governing large turbine-generators with non-linear steam valve stroking constraints 1-31205
- Hammons, T.J.** Shaft torsional phenomena in governing large turbine-generators with non-linear steam valve stroking constraints 1-35153
- Hammou, A.** A description of solid electrolytes and electrode materials with applications 1-50642
- Hamner, S., Farrington, D., Levis, M.** Effect of lifetime on SOS capacitance measurements 1-46154
- Hamori, M.** *see* Nemeth, J. 1-41963
- Hamoud, G., Billinton, R.** An approximate and practical approach to including uncertainty concepts in generating capacity reliability evaluation 1-30621
- Hamoud, G., Billinton, R.** An approximate and practical approach to including uncertainty concepts in generating capacity reliability evaluation 1-34784
- Hamoud, G., Billinton, R.** Uncertainty aspects in LOLE calculations for two interconnected systems 1-43521
- Hamoud, O.A.R.** *see* Yacimini, R. 1-35441
- Hamouda, I.** *see* Adib, M. 1-48656
- Hampel, D.** Application of very large scale integrated (VLSI) circuits to 'smart sensors' 1-38183
- Hampson, N.A., Lakeman, J.B.** Fundamentals of lead-acid cells. XVI. Phase formation at porous lead electrodes at low temperatures 1-44326
- Hampson, N.A., Lakeman, J.B., Sodhi, K.S., Smith, J.G.** The effect of additives on the charge and discharge behaviour of the negative plate of the lead-acid battery 1-31406
- Hampson, N.A.** *see* Karunathilaka, S.A.G.R. 1-44320
- Hampson, N.A.** *see* Kelly, S. 1-44324
- Hampton, G.J.** *see* Bate, G. 1-40799
- Hampton, M.L.** *see* Cohen, A.O. 1-51851
- Hamza, M., Kobayashi, T., Inaba, H.** A two-wavelength oscillation CO<sub>2</sub> laser for differential absorption measurements of atmospheric trace molecules 1-34719
- Hamzei-nejad, A.** *see* Ong, C.M. 1-43644
- Han, C.C.** *see* Yeongming Hwang 1-51719
- Han, M.K., Anderson, W.A., Lahri, R., Coleman, J.** Influence of thin metal as a top electrode on the characteristics of p-i-n a-Si:H solar cells 1-49686
- Han, M.-K., Anderson, W.A., Onuma, Y., Sung, P., Lahri, R., Coleman, J.** Effects of the undoped layer on characteristics of amorphous silicon Schottky diodes [solar cell technology] 1-49682
- Han, T.S., Ahlswede, R.** On source coding with side information via a multiple-access channel and related problems 1-33496
- Han, T.S., Kobayashi, K.** A new achievable rate region for the interference channel 1-33422
- Han Jie-ping** *see* Pei Rong-xiang 1-27941
- Han Jieping, Lu Xiuying, Yang Zhankun, Xu Xingcai** A new dry etching technology for metal film 1-27961
- Han Jieping** *see* Sun Yuping 1-32729
- Han Jieping** *see* Wang Peida 1-27942
- Han Shi-ying, Liu Gong-qiang, Liu Ji-zhe, Yang Gui-lin, Zhai Hong-ru** Microwave magnetostatic delay line 1-40825
- Han-ru Shao** *see* Shao Han-ru
- Han-Sheng Lee** Channel electron conduction in laser-annealed polycrystalline silicon metal-oxide semiconductor field-effect transistors 1-36618
- Han-Sheng Lee, Lowrie, D.S.** Substrate response of a floating gate n-channel MOS memory cell subject to a positive linear ramp voltage 1-32886
- Hanabe, K., Takahashi, I., Yuki, K.** STOC facsimile signal memory arrangement in FICS-1 system 1-33765
- Hanabe, K.** *see* Yuki, K. 1-33763
- Hanabusa, M., Suzuki, M., Nishigaki, S.** Dynamics of laser-induced vaporization for ultrafast deposition of amorphous silicon films 1-27139
- Hanafi, H.I.** Bit line discharge circuit for NAND logic read-only storage arrays 1-27401
- Hanafi, H.I.** Delay driver circuit 1-27543
- Hanafi, H.I.** Substrate bias generator circuit 1-40707
- Hanafy, A.** Dead zone elimination in acoustic arrays 1-30399
- Hanai, M.** *see* Morita, M. 1-28185
- Hanaizumi, H., Inamura, M., Toyota, H., Fujimura, S.** Noise reduction of multi-spectral scanner image data using scan overlap 1-33645
- Hanak, Z.** The Dalesice pumped-storage scheme 1-49343
- Hanaki, S., Temma, T., Yoshida, H., Arakawa, T., Suzuki, M., Seki, T., Kikuchi, Y.** Online real-time character recognition system 1-47456
- Hanaki, S.** *see* Sorimachi, Y. 1-38576
- Hanamitsu, K., Fujiwara, T., Takusagawa, M.** Transverse mode stabilized GaAlAs DH lasers 1-41088
- Hanamitsu, K., Fujiwara, T., Takusagawa, M.** Repetitive pulsating stripe geometry GaAlAs double-heterostructure lasers with a stripe by a shallow Zn diffusion 1-51436
- Hanamitsu, K.** *see* Ishikawa, H. 1-41092
- Hanamitsu, K.** *see* Shima, K. 1-33223
- Hanamura, E.** Optical bistable system responding in pico-second 1-46795
- Hanamura, S., Kumano, M., Shishido, M.** Recent trends in underwater acoustic equipment 1-29812
- Hanamura, S.** *see* Nishikawa, T. 1-41992
- Hanas, O.J.** *see* Hrul, P. 1-33946
- Hanayama, K.** *see* Hagiwara, H. 1-47783
- Hanazawa, T.** *see* Akeyama, A. 1-29371
- Hanchett, V.C.** *see* Levenson, M.D. 1-40488
- Hancock, J.H.** *see* Nachamkin, J. 1-40346
- Hancock, N.N.** Im  $I_q/GI?$  1-31177
- Hancock, N.N.** The true nature of three-phase salient-pole synchronous machine transient currents 1-49427
- Hanczakowski, A.** TRICKY symbolic layout system for integrated circuits 1-32871
- Hand, P.J.** Optimized digital testing using general purpose ATE 1-38110
- Handschin, E.** *see* Steiger, F. 1-30632
- Hane, K.** *see* Goto, T. 1-28629
- Hane, K.** *see* Kumata, N. 1-36633
- Haneishi, M., Yoshida, S.** A design method for circularly polarized rectangular microstrip antenna by one-point feed 1-41395
- Haneishi, M.N., Yoshida, S., Tabeta, M.** A design of back-feed type circularly polarized microstrip disk antennas having symmetrical perturbation element by one-point feed 1-47055
- Hanel, B.** *see* Maier, M. 1-27923
- Hanel, H.** On digital generation of random numbers with prescribed amplitude distribution 1-33599
- Haneman, D.** *see* De Silva, K.T.L. 1-44382
- Hanewinkel, L.** Energy management systems in buildings 1-31679
- Haney, W.R., Jr.** *see* Fraser, R.E. 1-47481
- Hanfligg, J.D., Herrick, B.R.** Transform feed for low sidelobe space-fed lens phased array antenna 1-51754
- Hanfling, J.D., Jerinic, G., Lewis, L.R.** Twist reflector design using E-type and H-type modes 1-47013
- Hang, C.C.** DDC algorithms—present and future 1-36321
- Hang, K.W.** *see* Prabhu, A.N. 1-45817
- Hang Yan** *see* Yan Hang
- Hang-kam Izaguirre** *see* Shii-shyong Wang 1-52100
- Hanggi, P.** Connection between deterministic and stochastic descriptions of nonlinear systems 1-45222
- Hanh Nguyen** *see* Nguyen Hanh
- Hanitsch, R.** On the reliability of DC machines with electronic commutation 1-53481
- Hanka, L.** The dependence of change frequency on the time in power system 1-38643
- Hanle, J.O.** *see* Giessler, A. 1-33804
- Hanley, L.D.** *see* Martin, J.H. 1-44716
- Hanley, P.R., Ehrlich, C.D.** Applications of magnetic scanning to high current implantation 1-36553
- Hanley, P.R.** *see* Downey, D.F. 1-27958
- Hanlon, J.A.** *see* Carlson, R.L. 1-51347
- Hanmandlu, M.** *see* Mahalanabis, A.K. 1-30663
- Hanmura, H.** *see* Kaneko, E. 1-52233
- Hanna, B.** *see* Brown, B.C. 1-32584
- Hanna, D.C., Sawyers, G.C., Yuratic, M.A.** Large volume TEM<sub>00</sub> mode operation of Nd:YAG lasers 1-41072
- Hanna, D.W., Simons, G.G.** TLD photon counting analyzer 1-52816
- Hanna, M.E.** *see* Austin, L.M. 1-35862
- Hanna, S.S.** *see* Dunham, J.S. 1-43168
- Hanna, V.F., Thebault, D.** Analysis of asymmetrical coplanar waveguides 1-32393
- Hannah, E.C.** Computer simulation of a voltage standard using multiple Josephson junctions 1-52550
- Hannah, E.** Cabot *see* Cabot Hannah, E.
- Hannah, J.M.** *see* Darby, B.J. 1-36131
- Hannakam, L., Neubauer, R.** Change of the inner-impedance of massive conductors due to eccentric cross-sectional contraction 1-45702
- Hannakam, L., Nolle, E.** Solid cylindrical conductor on a wedge-shaped high permeable post 1-32405
- Hannakam, L., Tepe, R.** Analytical treatment of a capacitor configuration with dielectric plates 1-40243
- Hannakam, L.** *see* Albach, M. 1-44031
- Hannalla, A.Y.** Analysis of transient field problems in electrical machines allowing for end leakage and external reactances 1-31184
- Hannan, E.J., Thomson, P.J.** Delay estimation and the estimation of coherence and phase 1-41655
- Hannaway, W.** Tele-health 1-47826
- Hannett, L.H.** *see* de Mello, F.P. 1-35155
- Hannett, L.N.** *see* de Mello, F.P. 1-38994, 1-43536
- Hanni, P.** Display receiver type RPD 1-42193

- Hannigan, J.F.** Direct electronic Fourier transform (DEFT) spectra for terrain feature classification 1-41702
- Hannigan, J.F., Gerhart, G.R.** Direct electronic Fourier transform (DEFT) spectra for surveillance and countersurveillance 1-41701
- Hannon, D.M., Desouches, A.** Wall coding for a field access bubble device 1-36839
- Hanrahan, H.E., Goedhals, A.B.** Automatic test considerations for pulse code modulation codes and related circuits 1-33863
- Hans, V.** Determination of the distribution of radial forces in electrical machines using correlation methods 1-53351
- Hansborough, L., Hamm, R., Stovall, J., Swenson, D.** An optimized design for PIGMI 1-38338
- Hansborough, L.D.** *see* Hamm, R.W. 1-42880
- Hansch, T.W.** *see* Xia Huik-Rong 1-41125
- Hansel, G.** Tendencies of the integrated optics 1-47682
- Hanselmann, E.** *see* Ebert, W. 1-34046
- Hanselmann, E.** *see* Schwarz, E. 1-34040
- Hansen, E., Sengupta, S.** Bounding solutions of systems of equations using interval analysis 1-45026
- Hansen, E.** *see* Thommessen, I. 1-47345
- Hansen, E.A.** Modern railway electrification and the cost benefits 1-35460
- Hansen, E.W.** Theory of circular harmonic image reconstruction 1-29216
- Hansen, E.W., Goodman, J.W.** Image reconstruction from projections using circular harmonic expansion 1-30423
- Hansen, F.** Modulation techniques for land mobile radio. I 1-52076
- Hansen, F.** *Ramkov* *see* Ramkov Hansen, F.
- Hansen, G.M., Telschow, K.L.** Characterization of self-heating effects in a superconducting bolometer with the superfluid helium film 1-30130
- Hansen, H.E.** *see* Caulfield, J.J. 1-27944
- Hansen, H.H., Warley, S.D.** Ion-implanter wafer-orientation indicator 1-27919
- Hansen, J.E.** *see* Lemanczyk, J. 1-41370
- Hansen, K.H.** *see* Cockerill, D. 1-43233
- Hansen, M.** *see* Aeberhard, M. 1-42063
- Hansen, N.H.** *see* Bengds, E.E. 1-53493
- Hansen, P.** Functional and in-circuit testing team up to tackle VLSI in the '80s 1-34183
- Hansen, P.** LSI and VLSI board test strategies: combining in-circuit and functional techniques in a single system architecture 1-52379
- Hansen, P.G., Jonson, B.** Secondary beams of radioactive ions: the ISOLDE experiments at CERN 1-48539
- Hansen, R.C.** Effect of field amplitude taper on measured antenna gain and sidelobes 1-28994
- Hansen, R.C.** Fundamental limitations in antennas 1-41327
- Hansen, R.L.** Neodymium yttrium aluminum garnet (Nd:YAG) laser marking system 1-31727
- Hansen, W.** Dial-through telephone exchanges-telephone: interconnections 1-33884
- Hansen, W.** *see* Herbelin, J.M. 1-28637
- Hansen, W.L., Haller, E.E.** Fabrication techniques for reverse electrode coaxial germanium nuclear radiation detectors 1-34450
- Hansen, W.L.** *see* Llacer, J. 1-34586
- Hansl-Kozanecka, T.** *see* Bock, R.K. 1-52670
- Hanson, A.** IC photomask line width measurement 1-28075
- Hanson, A.O.** *see* Axel, P. 1-42900
- Hanson, A.W.** *see* Burrows, B.J.C. 1-33368
- Hanson, D.** Impact of hardware design on fiber optic local area networks 1-33992
- Hanson, E.G.** Origin of temperature dependence of microbending attenuation in fiber optic cables 1-28455
- Hanson, E.G., Schantz, C.A., Hiskes, R.** Reduction of static fatigue in optical fibers by use of a silicon oxynitride coating 1-40929
- Hanson, J., Brown, B.C., Finley, D., Hemmi, Y., Ito, A., Jostlein, H., Maki, A., Sakai, Y., Sugano, K.** A study of some properties which determine the resolution of a lead-scintillator sandwich electromagnetic shower detector 1-34445
- Hanson, J.** *see* Sakai, Y. 1-34448
- Hanson, J.V.** *see* de Carvalho, J.M. 1-29513
- Hanson, M.A.** *see* Reiland, T.W. 1-31999
- Hanson, R.E.** *see* Engel, J.C. 1-31641
- Hanson, R.E.** *see* Ewy, K.A. 1-43739
- Hanson, R.J.** *see* Haskell, K.H. 1-39628
- Hanssen, D.** *see* Atac, M. 1-34442
- Hansson, E.R.B.** *see* Riblet, G.P. 1-48029
- Hansson, G.** *see* Brillson, L.J. 1-46000
- Hantgan, J.C.** *see* Carlin, H.J. 1-41277, 1-51647
- Hantila, F., Constantinescu, F.** The calculation of the separation characteristics for magnetic separator 1-28865
- Hantke, D.** Optoelectronics in the measuring technique 1-46601
- Hantschel, G.** *see* Allnoch, G. 1-52347
- Hao-mo Li** *see* Li Hao-mo
- Hao-yung Lo, Ching-shen Su** Design of microcomputer-based data acquisition system for the time-of-flight ion scattering spectrometer 1-52733
- Haour, R.** *see* Gahery, Y. 1-43337
- Happ, H.H., Wirgau, K.A.** Optimal dispatch and voltage scheduling in power systems 1-48976
- Happ, H.H.** *see* Johnson, A. 1-34763
- Happ, H.H.** *see* Johnson, W.A. 1-30625
- Happer, W.** *see* Sharma, A. 1-51332
- Haque, A.K.M.M., Hasko, D.G., Nikjoo, H., Hosain, D., Mohammadi, A.** A 400 kV proton beam facility for the study of silicon semiconductor detector surfaces and of the stopping power of biological materials 1-38393
- Haque, C.A.** *see* Antler, M. 1-45753
- Haque, P.** *see* Chun Bin Lim 1-34585
- Haque, S.E.** *see* Rahman, A. 1-44285
- Haque, Y.A.** A dual bandwidth phase lock loop and autozero loop for a PCM codec with on chip filters 1-37813
- Hara, E.H., Machida, S., Ikeda, M., Kanbe, H., Kimura, T.** Optoelectronic broadband matrix switch 1-41019
- Hara, E.H., Machida, S., Ikeda, M., Kanbe, H., Kimura, T.** A high speed optoelectronic matrix switch using heterojunction switching photo-diodes 1-51274
- Hara, E.H.** *see* Macdonald, R.I. 1-51271
- Hara, H., Harada, K.** Analysis of parametric excitation circuit by the describing function method 1-35216
- Hara, K.** *see* Yasunaga, S. 1-44552
- Hara, M., Akazaki, M.** Onset mechanism and development of corona discharge on water drops dripping from a conductor under high direct voltage 1-49142
- Hara, S.** *see* Misawa, Y. 1-36533
- Hara, S.** *see* Yanai, T. 1-38037
- Hara, T., Ohgo, T., Hamagaki, M., Dote, T.** Plasmadynamic recombination laser 1-51384
- Hara, T., Toyoda, N., Nikiura, I.** Low distortion GaAs varactor diodes 1-40546
- Hara, T.** *see* Hirose, K. 1-34889, 1-43755
- Hara, T.** *see* Inada, T. 1-40509
- Hara, T.** *see* Mori, S. 1-43697
- Hara, T.** *see* Tsujide, T. 1-27473
- Hara, Y., Okamoto, K., Hamada, T., Akiyama, N., Nakagawa, K., Torisawa, S., Nakashima, S., Yabuhara, Y.** Automatic visual inspection of LSI photomasks 1-28080
- Hara, Y., Sato, H.** The installation of the extension of Jakarta telephone cable network (G-4 project) 1-29342
- Harada, H.** 100 MHz logic analyzer 1-42571
- Harada, K.** Self-oscillating polyphase inverter with current feedback 1-44228
- Harada, K., Kuhara, S., Hirakawa, K.** Fluctuation in the linear feedback oscillator 1-32224
- Harada, K., Kuhara, S., Hirakawa, K.** Fluctuation near the instability point in the linear feedback oscillator 1-45318
- Harada, K., Nabeshima, T.** Large-signal transient response of a switching regulator 1-53562
- Harada, K., Ninomiya, T., Kakiyama, H.** Effects of stray capacitances between transformer windings on the noise characteristics in switching power converters 1-53543
- Harada, K., Ninomiya, T., Nabeshima, T., Kawano, M.** On the compensation for cross-regulation errors in a forward DC-DC converter 1-44238
- Harada, K., Sakamoto, H.** Pulse synchronizing DC-to-DC converter 1-45266
- Harada, K.** *see* Hara, H. 1-35216
- Harada, K.** *see* Jeong, M.U. 1-40462
- Harada, K.** *see* Mamom, M. 1-44239
- Harada, K.** *see* Nabeshima, T. 1-35258
- Harada, K.** *see* Ninomiya, T. 1-32170, 1-53545
- Harada, K.** *see* Shiosaki, T. 1-32954
- Harada, M.** *see* Sakurai, Y. 1-43278
- Harada, S.** *see* Homma, Y. 1-32873
- Harada, T.** *see* Aoshima, Y. 1-30784
- Harada, T.** *see* Shiomi, H. 1-45715
- Harada, T.** *see* Shirakawa, I. 1-46303
- Harada, Y.** *see* Tsuno, K. 1-45885
- Haradome, M.** *see* Kanefusa, S. 1-30085
- Haraga, K., Yamada, A., Sakakibara, K., Hattori, K., Kobayashi, I.** New adhesives that cure rapidly at room temperatures and their application in metal-to-metal structural bonding 1-50002
- Haraguchi, M.** *see* Shiba, K. 1-30093
- Haralambidis, D.** *see* Brenn, R. 1-38461
- Harary, F.** *see* Akiyama, J. 1-31984, 1-35816
- Harary, F.** *see* Boesch, F.T. 1-33706
- Harary, F.** *see* Erdos, P. 1-27014
- Harashima, F., Kondo, S., Koyama, M.** A microprocessor-based digital PLL speed control system and its performance analysis 1-53476
- Harashima, H.** *see* Miyakawa, H. 1-29094
- Harasimowicz, J.** *see* Goszczynski, T. 1-39985
- Harba, M.I.A., Lynn, P.A.** Optimizing the acquisition and processing of surface electromyographic signals 1-43340
- Harbaugh, J.R.** *see* Hrudka, R.M. 1-39252
- Harbeke, G., Widmer, A.E., Stuke, J.** Physical properties of phosphorus doped low-pressure CVD amorphous silicon 1-27145
- Harbert, D.Z.** *see* Schenck, G.C. 1-50527
- Harbert, F.** Fire and gas systems which must not fail 1-44560
- Harbison, J.P.** *see* Cohen, J.D. 1-46093
- Harbison, J.P.** *see* Johnson, A.M. 1-33123, 1-46607, 1-46621
- Harborne, S.J., Holmes, J.N., Walesby, D.H.** Speech signal processing experience using a floating-point array processor 1-51810
- Harbort, H.** New flame retardant halogen-free cables for nuclear power plants 1-34877
- Harbottle, J.R.** Marketing of electrical products 1-39331
- Hardaker, P.R.** *see* Wong, R.Y. 1-41695
- Hardardt, A.T.** *see* Avazian, J.F. 1-50017
- Harde, H., Burggraf, H.** Rapid scanning autocorrelator for measurements of picosecond laser pulses 1-51508
- Hardee, K.C.** *see* Sud, R. 1-45356
- Hardek, T., Kells, W., Lai, H.** Very low intensity storage-rang profile monitor 1-42928
- Hardek, T.** *see* Forster, R. 1-42976
- Hardek, T.W.** *see* Hogrefe, R.L. 1-42992
- Hardekopf, R.A.** Operating experience and cesium recycling on the LASL polarized triton source 1-43157
- Hardeng, E.** But the analog technique was not dead 1-47852
- Harder, C.** *see* Lau, K.Y. 1-28721
- Harder, Ch., Lau, K.Y., Yariv, A.** Bistability and pulsations in CW semiconductor lasers with a controlled amount of saturable absorption 1-51445
- Harder, E.** Economic application of distribution transformers 1-31269
- Harder, K.** Time codes for magnetic recordings and films on TV 1-29086
- Hardesty, R.M.** *see* Lawrence, T.R. 1-48864
- Harding, G.G.** Electric vehicle prospects outside the USA - a British viewpoint 1-31597
- Harding, G.L.** *see* McKenzie, D.R. 1-50321
- Harding, K.** *see* Williams, J.A. 1-28863
- Harding, M.** *see* Goodfellow, R.C. 1-37169
- Harding, W.** *see* Wight, D.R. 1-40412
- Hardt, W.E.K.** *see* Cappi, R. 1-48463
- Hardwick, N.E., III, Baden, J.L.** Outside plant hardware for use in FT3 lightwave systems 1-33985
- Hardwick, N.E., III** *see* Schwartz, M.I. 1-37923
- Hardy, A.D., Rouse, K.D., Thomas, M.W.** Small-angle neutron-scattering experiments. Part II. Use of the Harwell small-angle scattering spectrometer 1-52747
- Hardy, D.** *see* Coudreuse, J.P. 1-29559
- Hardy, K.D.** Standardisation of methods 1-39368
- Hardy, W.C., Green, R.G., Guest, G.W., Karban, O., Powell, S.B., Roman, S.** Development of polarized D<sup>+</sup> and <sup>3</sup>He<sup>++</sup> ion sources 1-43162
- Hardy, W.E.** *see* Simpson, P.B. 1-49389
- Hareng, M., Le Berre, S., Hehlen, R., Perbet, J.N.** Flat matrix-addressed smectic liquid crystal display 1-52546
- Hargrave, P.J.** *see* Ward, C.R. 1-41423
- Hargreaves, M.** *see* Thomas, I.P. 1-35976
- Hargrove, A.** A comparison of actual and simulated horizontal flight paths: RNAV (area navigation system) 1-43411
- Hargrove, C.K., Mes, H., Carter, A.L., Hincks, E.P., Kessler, D., Beer, G.A., Bryman, D., Numao, T., Olin, A., Pearce, R.M., Reeve, P., Robertson, L.B., Hasinoff, M., Poutissou, J.M., Macdonald, J.A., Spuller, J., Azuelos, G., Depommier, P., Martin, J.P., Poutissou, R., Anderson, H.L., Wright, S.C., McKee, R.J., Blecher, M., Gotow, K.** Construction and initial tests of the Time Projection Chamber at TRIUMF 1-43237
- Harhammer, P.G.** Economical operation of power systems 1-34754
- Hari Om Vats** On the multiple scattering of VHF/UHF waves in the equatorial ionosphere 1-41244
- Hari Om Vats** *see* Trivedi, A.I. 1-28909
- Haridoss, S.** *see* Beniere, F. 1-45958
- Harig, T., Huber, G., Shcherbakov, I.A.** Cr<sup>3+</sup> sensitized Nd<sup>3+</sup>: Li-La-phosphate glass laser 1-51422
- Harigel, G., Linser, G., Schenk, F.** Operation of a bubble chamber filled with argon, nitrogen, and argon-nitrogen mixtures 1-52718
- Harish Chandra, N.** *see* Pileggi, D.J. 1-30726, 1-38752
- Hariu, T., Takenaka, K., Shibuya, S., Komatsu, Y., Shibata, Y.** Plasma-assisted deposition and epitaxy of GaAs films. [Junction fabrication] 1-50330
- Hariu, T.** *see* Matsushita, K. 1-50332
- Hariu, T.** *see* Nagao, Y. 1-28578
- Harja, C.** *see* Antoniu, M. 1-30171
- Harker, A.B.** *see* Schoenwald, J.S. 1-36767
- Harkins, H.L.** PURPA. Opportunities for the pulp and paper industry 1-39260
- Harkins, H.L.** PURPA. New horizons for electric utilities and industry 1-43545
- Harlan, C.B.** Cladding vs. plating 1-31875
- Harland, E.J., Widdowson, J.W., Dix, J.F.** Studies of adaptive TVG for a small array sonar 1-42349

- Harley, R.G.**, Limebeer, D.J.N. Transient performance of induction motors supplied by series capacitor compensated feeders 1-53470
- Harlingen, D.J.** Van see Van Harlingen, D.J.
- Harlow, C.A.**, Connors, R.W., Trivedi, M.M., DiRosa, D.A., Vasquez-Espinosa, R.E. Texture analysis and urban land use classification 1-43462
- Harlow, P.J.** see Henne, C.A. 1-35630
- Harman, A.B.** Tough times ahead for motor merchants 1-53339
- Harman, A.J.** Industrial innovation and governmental policy: a review and proposal based on observation of the US electronics sector 1-31803
- Harman, J.H.** Read compensation in flexible disk drives 1-40800
- Harmer, A.L.**, Frauche, J.P. Fibre-optic panel switches with self illuminated display. I 1-32468
- Harmer, A.L.**, Frauche, J.P. Fibre-optic panel switches with self illuminated display. II 1-36377
- Harmer, R.S.** see Wittberg, T.N. 1-40343
- Harmon, C.A.** System design considerations for automotive entertainment products 1-29889
- Harmon, D.** Test strategies find faults in users' bubble memories 1-40829
- Harms, A.A.** see Krenciglowa, E.M. 1-48273
- Harms, E.**, Hendricks, B., Lee, G., Williams, T. Instrumentation for the Tevatron beam dump 1-43066
- Harmuth, H.F.** Synthetic-aperture radar based on nonsinusoidal functions. X. Array gain, planar arrays, multiple signals 1-37957
- Harn Ywh-Pyng** see Ywh-Pyng Harn
- Harnack, P.M.** see Fitzpatrick, B.J. 1-32058
- Harnden, F.R., Jr.** see Gorenstein, P. 1-34472
- Harnew, N.**, Meyer, D.I. The operation of a pressurized ultraviolet photoionization threshold Cherenkov counter 1-52668
- Harml, D.A.** see Maybeck, P.S. 1-34205
- Harper, D.J.** see Gibson, N. 1-44654
- Harper, D.W.** Optical glass fibres in theory and practice 1-28487
- Harper, J.M.E.**, Cuomo, J.J., Leary, P.A., Summa, G.M., Kaufman, H.R., Bresnock, F.J. Low energy ion beam etching 1-40516
- Harper, J.M.E.**, Proto, G.R., Hoh, P.D. Improved step coverage by ion beam resputtering 1-46046
- Harper, W.E.** see Vietor, G.C. 1-49618
- Harrington, D.P.** see Fleming, T.R. 1-50134
- Harrington, G.R.**, Dold, E.L. Testing fiberglass booms by acoustic emission 1-30642
- Harrington, J.A.**, Standlee, A.G. Optical attenuation in IR fibres 1-46549
- Harrington, R.F.** see Chung-Chi Cha 1-33326
- Harrington, T.P.** see Doctor, P.G. 1-30918
- Harrington, T.P.** see Hildebrand, B.P. 1-32111
- Harris, C.B.** see George, S.M. 1-41075
- Harris, D.B.** Recursive least squares with linear constraints [seismic data] 1-38580
- Harris, D.B.** Design of 2-D rational digital filters 1-40123
- Harris, D.J.** Waveguiding difficult at near-millimeters 1-32394
- Harris, D.J.**, Batt, R.J. Open resonator methods for the measurement of atmospheric propagation characteristics at 100-1000 GHz 1-48218
- Harris, D.J.**, Mak, S. Groove-guide microwave detector for 100 GHz operation 1-48078
- Harris, D.J.**, Teo, T.M. The measurement of scattering characteristics of individual water drops at 100 GHz 1-46858
- Harris, D.R.** see Hayashi, S.A. 1-52651
- Harris, D.W.** Incidence of wind and snow on rural electrical reticulation 1-37471
- Harris, E.P.**, Chang, W.H. Punchthrough in Josephson logic devices 1-28323
- Harris, F.** see Parker, S.I. 1-43235
- Harris, G.I.** see Reinhard, D.K. 1-43318
- Harris, G.L.H.** see Hesser, J.J. 1-40360
- Harris, G.R.** see DeReggi, A.S. 1-30574
- Harris, H.** The line card gets it together [electronic switching systems] 1-42073
- Harris, I.J.** Optical fibre communications: an introduction 1-42227
- Harris, J.** see Winick, H. 1-38348
- Harris, J.J.** see Duggan, G. 1-32628
- Harris, J.S.** see Mersch, S.H. 1-46768, 1-47950
- Harris, J.S., Jr.** see Cohen, M.J. 1-35383
- Harris, J.S., Jr.** see Wiczor, J.J. 1-35384
- Harris, J.S., Jr.** see Zehr, S.W. 1-35386
- Harris, K.** Production testing of digital LSI based PCBs. A cost effective solution to fault diagnosis using in circuit ATE techniques 1-26918
- Harris, K.** see Barrett, D. 1-53752
- Harris, L.A.**, Hugo, J.A. Thin platinum films on silicon 1-50892
- Harris, M.**, Larkin, D., Hocking, J. An ingenious use of technology—but what is the point of it all? 1-29269
- Harris, M.J.** see Wittenberg, L.J. 1-31123
- Harris, P.** Engineers—specialists, generalists and the bureaucratic profession 1-26767
- Harris, R.A.**, Ulrich, S. Interference and distortion control in TDMA systems 1-47604
- Harris, R.L.** Future directions in CNI integrated avionics 1-52890
- Harris, R.W.** see Cassar, A.G. 1-43802
- Harris, S.E.** see Mendelsohn, A.J. 1-33174
- Harris, S.J.**, Weiner, A.M. Continuous wave intracavity dye laser spectroscopy. II. A parametric study 1-33247
- Harris, T.** Better indicators needed for supply industry performance 1-52990
- Harris, T.R.** see Higgins, S.B. 1-48736
- Harrison, J.** see Charters, J.S.T. 1-32977
- Harrison, A.I.** Lead acid standby power batteries in telecommunications—'horses for courses' 1-42029
- Harrison, A.I.** Lead-acid standby-power batteries in telecommunication—'horses for courses' 1-49658
- Harrison, A.P.** see Irven, J. 1-36905
- Harrison, C.G.**, Huswitzer, R.B., Voge, J.B. A high-frequency Kerr-effect microscope for bubble devices 1-51237
- Harrison, D.C.** see Anderson, C.M. 1-52784
- Harrison, D.C.** see Bragg-Remisch, D.A. 1-48725
- Harrison, D.D.** see Richards, W.F. 1-28973
- Harrison, D.J.** see Colbow, K. 1-35332
- Harrison, D.W.** see Lim, K.C. 1-46463
- Harrison, E.H.** Advantages of large solid-pole brushless synchronous motors for centrifugal compressor drives 1-38970
- Harrison, G.** Recovery of helicopters in poor visibility 1-42357
- Harrison, H.B.**, McNaught, D.J., Johnson, S., Pateraus, G. Microminiature transducers for biomedical applications 1-34565
- Harrison, H.B.** see Elliman, R.G. 1-36461
- Harrison, J.S.** see Holmes, J. 1-49296
- Harrison, K.J.** Recent developments in liquid crystal displays 1-28533
- Harrison, K.J.** see Clark, M.G. 1-52543
- Harrison, K.R.** see Munday, S. 1-41908
- Harrison, L.C.** Power supply for 25 kV 50 Hz Brisbane suburban electrification 1-35467
- Harrison, M.** see May, M. 1-43083
- Harrison, M.** see Merz, W. 1-42971
- Harrison, M.** see Tehan, J. 1-38108
- Harrison, M.** see Zagel, J.R. 1-42800
- Harrison, P.** see Muller, P. 1-38802
- Harrison, P.J.** see Smith, J.Q. 1-50120
- Harrison, R.G.**, Gupta, P.K., Taghizadeh, M.R., Kar, A.K. 12.8- $\mu$ m NH<sub>3</sub> laser emission with up to 30% energy conversion and 40-60% power conversion efficiencies 1-51393
- Harrison, R.G.** see Gupta, P.K. 1-46671
- Harrison, R.N.** Emulation and other computer applications 1-34676
- Harrison, R.W.** Optical flare measurements 1-30272
- Harrison, R.W.** see Fischer, R.B. 1-33361
- Harrison, S.** Micro-PBXs can reduce costs and increase efficiency 1-29530
- Harrison, S.** Micro-PBXs result in macro savings 1-42069
- Harrison, W.R.** Techniques for moderate-resolution electrostatic hard copy 1-51573
- Harrie, D.T.**, Dutt, G.S., Gadsby, K.J. Isolating the building thermal envelope 1-52397
- Harrold, J.** Improved speaker overload indicator 1-34121
- Harrold, J.** 555 VCO 1-36128
- Harrop, P.** see Dessert, R. 1-29883
- Harrop, P.** see Tsironis, C. 1-27625
- Harrowfield, I.R.** see Barrett, D. 1-53752
- Harrowfield, I.R.** see Frost, M.T. 1-34475
- Harry, J.E.** Plasma furnaces for metal reduction, melting and chemical synthesis 1-44498
- Harsa, C.** see Olcer, S. 1-43979
- Harsy, M.**, Gorog, T., Lendvay, E., Koltai, F. Direct synthesis and crystallization of GaSb 1-39743
- Hart, B.L.** Remarks on the emission coefficient of a bipolar transistor 1-32804
- Hart, B.L.** Offset voltage CMRR and PSRR of a long-tailed pair: an integrated approach 1-45286
- Hart, B.L.** see Barker, R.W.J. 1-27247
- Hart, D.** Software architecture and the ATLAS Avionics Subset 1-52847
- Hart, D.C.** ATE software executive systems 1-47886
- Hart, D.L.**, Ziegenhagen, J.A. Failure analysis of variable reluctance stepper motor 1-53502
- Hart, G.A.M.**, Oosting, H., Nagelkerke, N. Least squares fitting of the lognormal curve 1-44844
- Hart, H.R., Jr.** see Bartlett, D.F. 1-52724
- Hart, P.B.** see Wharf, J.H. 1-48827
- Hart, P.J.** Contact stability in resistive trimmers 1-32410
- Hart, P.J.** Basis of a brighter meter [Digital multimeters] 1-42668
- Hart, P.J.** Improving linear circuits 1-45806
- Hart, P.J.** The NEC CQ-R700 HF receiver 1-52050
- Hart, R.R.** see Weissmann, G.F. 1-34232
- Hart, T.M.** The mobile filter 1-50539
- Hart, W.** Control of gas absorption in a geothermal steam direct contact condenser 1-38911
- Hartbaum, H.** see Hartl, H. 1-42207
- Hartemann, P.** see Castera, J.P. 1-36830
- Hartemann, P.** see Ravinet, P. 1-36719
- Harten, A.**, Lax, P.D. A random choice finite difference scheme for hyperbolic conservation laws 1-35928
- Harten, A.**, Tal-Ezer, H. On a fourth order accurate implicit finite difference scheme for hyperbolic conservation laws. I. Nonstiff strongly dynamic problems 1-39699
- Hartig, G.**, Krupke, H., Rothe, A. Model arrangement for the simulation of the error addition and for the analysis of error distribution properties 1-34191
- Hartig, G.** see Palm, R. 1-34171
- Hartl, H.**, Hartbaum, H., Treytl, H. Trends in the design of future communications satellite systems 1-42207
- Hartley, J.** Get into the picture when home movie makers shoot video [video recorders] 1-29910
- Hartley, J.D.**, Schneider, R.C. Recursive tracking threshold 1-45567
- Hartley, J.D.** see Burkhart, R.W. 1-45113
- Hartley, M.G.** see Yaacob, M. 1-44759
- Hartley, R.F.** see Knowles, H.B. 1-42796
- Hartlove, J.** see Massie, N.A. 1-51499
- Hartman, A.C.** How a new generation of microprocessors supports modular programming in high-level languages 1-40649
- Hartman, A.R.** see Shackle, P.W. 1-27663
- Hartman, B.** see Galloway, D. 1-27387
- Hartman, M.**, Kosalka, W., Wszolek, W. The application of frequency modulation in time-sharing inverter circuit 1-31321
- Hartman, N.F.**, Verber, C.M., Chapman, C.M. Fabrication of a 16 channel integrated optical data preprocessor 1-46571
- Hartman, R.L.** see Anthony, P.J. 1-37158
- Hartman, R.L.** see Nash, F.R. 1-33237
- Hartman, R.L.** see Pawlik, J.R. 1-46725
- Hartman, R.L.** see Tsang, W.T. 1-28710
- Hartman, W.F.** see Ackermann, N.J., Jr. 1-35011
- Hartmann, A.C.**, Fehr, S. A VLSI architecture for software structure: the Intel 8086 1-36170
- Hartmann, C.R.P.**, Rudolph, L.D., Mehrotra, K.G., Snedeker, G.J. On APP decoding 1-33549
- Hartmann, C.R.P.** see de Faria, J.M., Jr. 1-33473
- Hartmann, D.** see Knapp, J. 1-38086
- Hartmann, E.**, Patzak, K. 8AA1 factory assembled switchpanels for 3CF load-break switches and 3AF vacuum circuit-breakers 1-44288
- Hartmann, J.**, Parrens, P. Visualisation of junctions obtained on SOS and measurement of lateral diffusion by EBIC and voltage contrast methods 1-36691
- Hartmann, K.-D.** Pushbutton dialling with stored call numbers in the telephone set 1-29498
- Hartmann, P.** Pumped storage power station at Oberaar-Grimsel of Kraftwerke Oberhasli AG 1-31094
- Hartmann, P.** Top security bulk encryption equipment Vericrypt 5000 1-47451
- Hartmann, R.**, Walker, R. LSI gate arrays outpace standard logic 1-27386
- Hartmann, W.** Fluorescent screens for high-resolution real-time X-ray topography 1-33129
- Hartmann, W.** X-ray TV imaging and real-time experiments 1-34117
- Hartmann-Goldstein, I.J.** see Robinson, K. 1-48676
- Hartog, A.H.**, Payne, D.N., Conduit, A.J. Polarisation measurements on monomode fibres using optical time-domain reflectometry 1-40903
- Hartog, A.H.** see Conduit, A.J. 1-33030, 1-36926
- Hartog, A.H.** see Gambling, W.A. 1-47685
- Hartog, P.K.** Den see Den Hartog, P.K.
- Hartranft, M.D.**, Vyas, H., Hendrickson, T.E., Lee, S.J. A high performance analog and digital compatible N-well CMOS process 1-40724
- Hartstein, A.**, Kirtley, J., Tsang, J.C. Sensitive monitor of deposition thickness 1-38290
- Hartstein, A.**, Young, D.R. Identification of electron traps in thermal silicon dioxide films 1-32708
- Hartung, J.**, Marshall, T.G. Architecture for a video frame processor 1-38027
- Hartung, M.** see Strehl, P. 1-42927
- Hartwig, E.** see Chupp, W. 1-48405
- Hartwig, H.** see Ebeling, W. 1-48344
- Hartwig, H.** see Falland, C. 1-48315
- Hartz, R.** see Mullani, N.A. 1-34579
- Harumoto, Y.** see Sumi, Y. 1-53526
- Haruna, K.** see Sasaki, R. 1-34989
- Harvey, A.** see Liska, D.J. 1-43078
- Harvey, C.**, Griffiths, P.H. Controlling overloads in multiprocessor systems [ESS] 1-42119
- Harvey, E.D.** see Hills, D.A. 1-42023
- Harvey, G.T.**, Mourou, G., Gabel, C.W. Synchronization of an active-passive mode-locked Nd:YAG laser and a mode-locked argon ion laser 1-28703
- Harvey, I.G.**, Martin, D.H. Energy conservation and the multi layer coil induction heater 1-44497
- Harvey, I.K.** Linearity measurement of a SQUID system 1-38280
- Harvey, K.C.** Shielded thermionic diode detector for precision spectroscopy 1-30132
- Harvey, S.M.** see Vlah, Z.J. 1-30812, 1-34950

- Harvilchuck, J.M., Meister, W.A., Schmeckenbecher, A.F. Roughened molybdenum surface for crack-free electroless nickel plate 1-27945
- Harward, E.D. An overview of the nuclear industry's experience in the United States 1-30899
- Harwood, D.L. *see* Molino, J.A. 1-34904, 1-43730
- Harzion, Z., Croitoru, N., Gottesfeld, S. The measurement of fast transients in the CdSe/S<sup>-</sup>, S<sup>0</sup> photoelectrochemical cell 1-35333
- Hasan, P. Properties and the design of a phase-locked loop with time delay 1-45335
- Hasan, T.F. *see* Perloff, D.S. 1-40670
- Hase, A. *see* Nakajima, H. 1-30255
- Hase, P. Determination of the operating reliability of the components of electric energy transmission systems 1-49028
- Hase, W., Schmidt, G., Hontsch, H. Coherent-optical spatial frequency filters for the suppression of a known background 1-51243
- Hase, Y. *see* Ohmori, S. 1-51663
- Hasebe, N., Zama, T. Study on very high frequency antennas and their applications 1-29004
- Hasegawa, A. Signal transmission by optical solitons in monomode fiber 1-36953
- Hasegawa, A., Kodama, Y. Signal transmission by optical solitons in monomode fiber 1-51191
- Hasegawa, F. *see* Itoh, H. 1-40590
- Hasegawa, H. Copying trees using constant work-space 1-44933
- Hasegawa, J. *see* Nishiya, K. 1-38648
- Hasegawa, K., Mochidi, K., Sekiguchi, A. Integral type position-sensitive proportional chamber with multiplexer readout system 1-48618
- Hasegawa, K. *see* Ito, N. 1-29581
- Hasegawa, K. *see* Kojima, C. 1-46807
- Hasegawa, K. *see* Miura, T. 1-34135
- Hasegawa, K. *see* Sasaki, T. 1-45414
- Hasegawa, K. *see* Yanagiuchi, Y. 1-32976
- Hasegawa, K. *see* Yasuda, K. 1-37821
- Hasegawa, N. *see* Matsubara, S. 1-44366
- Hasegawa, O., Yagawa, N. Low-frequency response to AlGaAs double heterojunction LEDs 1-33154
- Hasegawa, T., Yanagimachi, A., Yoshino, T., Ohya, A. Transmission test of still-picture broadcasting signals using the medium-scale broadcasting satellite for experimental purpose 1-34031
- Hasegawa, T. *see* Fujisawa, T. 1-43160
- Hasegawa, T. *see* Miyahara, H. 1-51908
- Hasegawa, T. *see* Sawai, A. 1-47514
- Hasegawa, T. *see* Shimada, Y. 1-27141
- Hasegawa, T. *see* Suda, T. 1-42218
- Hasegawa, T. *see* Sumi, Y. 1-53526
- Hasegawa, T. *see* Ueda, N. 1-43159
- Hasegawa, T. *see* Watanabe, M. 1-47285
- Haselgrove, J., Selim, S.B. A comparison of bounds for the chromatic number of a graph 1-39576
- Hasemi, J., Yoneda, Y. Hitachi's experience with coal-fired power plants 1-43890
- Haseroth, H. *see* Boutheon, M. 1-42890
- Hashemi, Y. Monitoring the vibration of large stator windings 1-44055
- Hashemian, H.M. *see* Kerlin, T.W. 1-52447
- Hashi, K. *see* Saitoh, K. 1-37994
- Hashida, O., Kawashima, K. Analysis of a polling system with single user at each terminal 1-47477
- Hashida, O., Kawashima, K. Analysis of a polling system with single user at each terminal 1-51969
- Hashiguchi, S. 1/f fluctuation and temperature fluctuation—a method to estimate the temperature fluctuation 1-40237
- Hashimoto, A. *see* Matsumoto, S. 1-29626
- Hashimoto, H. The computerized newspaper editing and composing system 1-29415
- Hashimoto, H. *see* Hiyaizumi, S. 1-32674, 1-40443
- Hashimoto, H. *see* Narita, S. 1-46161, 1-46162
- Hashimoto, H. *see* Nishi, H. 1-46056
- Hashimoto, K., Itoh, Y., Komiya, K., Takao, K., Kimura, I. Experiments by an adaptive antenna with a low frequency model [microcomputer feedback control] 1-41408
- Hashimoto, K. *see* Iwamura, S. 1-40589
- Hashimoto, K. *see* Okada, K. 1-29768
- Hashimoto, K. *see* Otsu, Y. 1-29018
- Hashimoto, K. *see* Saito, S. 1-46314
- Hashimoto, K. *see* Takao, K. 1-37378
- Hashimoto, M. Radial mode-number shift of graded-index optical-fiber modes 1-40904
- Hashimoto, M. Hybrid modes of graded-index optical fibres 1-51167
- Hashimoto, M. *see* Motohashi, S. 1-47814
- Hashimoto, N. *see* Wada, Y. 1-36692
- Hashimoto, O., Sato, Y. A high voltage, high current light-activated thyristor with a new light sensitive structure 1-53551
- Hashimoto, S. *see* Hosaka, S. 1-32771
- Hashimoto, S. *see* Ishikawa, K. 1-34081
- Hashimoto, T. An approach to source coding 1-33450
- Hashimoto, T., Arimoto, S. On the hierarchy of codes for DMC 1-37427
- Hashimoto, T., Arimoto, S. A hierarchy of codes for memoryless channels 1-41499
- Hashimoto, T., Sugiyama, H., Sotobayashi, T. Alpha-recoil track formation on muscovite and measurement of recoil-range using <sup>252</sup>Cf-sources 1-48636
- Hashimoto, T. *see* Yanai, T. 1-38037
- Hashizume, N., Yamada, H., Kojima, T., Matsumoto, K., Tomizawa, K. Low-power gigabit logic by GaAs SSFL 1-46297
- Hashmi, J., Iq'cem, J., Jafri, M.N., Siddiqui, Z.H. Operation and maintenance of digital computer control systems of KANUPP 1-38861
- Hashmi, J. *see* Jafri, M.N. 1-38860
- Hashmy, N.M. *see* El Hashmy, N.M.
- Hasibar, R.M., Legate, A.C., Brunke, J., Peterson, W.G. The application of high-speed grounding switches for single-pole reclosing on 500 kV power systems 1-34946
- Hasibar, R.M., Legate, A.C., Brunke, J., Peterson, W.G. The application of high-speed grounding switches for single-pole reclosing on 500 kV power systems 1-39081
- Hasinoff, M. *see* Hargrove, C.K. 1-43237
- Haskell, B.G. Computer simulation results on frequency hopped MFSK mobile radio—noiseless case 1-29654
- Haskell, B.G. Time-frequency multiplexing (TFM) of two NTSC colour TV signals—simulation results 1-47758
- Haskell, B.G., Steele, R. Speech and video bit-rate reduction 1-51845
- Haskell, K.H., Hanson, R.J. An algorithm for linear least squares problems with equality and nonnegativity constraints 1-39628
- Hasker, J., van Ijzendoorn, P.R. Recombination structures in fluorescent lamps 1-35497
- Hasko, D.G. *see* Haque, A.K.M.M. 1-38393
- Hasko, S. Examination of distance measuring devices 1-52580
- Haslam, G.E. *see* Vant, M.R. 1-29804
- Hasler, M. Sensitivity comparison of three GIC bandpass filters 1-45475
- Hasler, M. Stray capacitance insensitive switched-capacitor filters 1-45500
- Haslett, J. The effect of dispersal on the capacity value of wind power 1-49368
- Haslett, J., Diesendorf, M. The capacity credit of wind power: a theoretical analysis 1-49385
- Haslett, J., Kelliedy, E. A note on the use of the models in the estimation of wind power availability 1-49369
- Haslett, J.W. *see* Bruton, L.T. 1-45483
- Hasman, A. *see* Jansen, B.H. 1-30453, 1-43333, 1-43360
- Hasman, A. *see* Talmon, J.L. 1-43355
- Hasman, A. *see* van Ling, A. 1-52788
- Hasnain, G. *see* Owens, J.M. 1-36834
- Hass, M. *see* Temmer, G.M. 1-38354
- Hassab, J.C., Boucher, R.E. Performance of the generalized cross correlator in the presence of a strong spectral peak in the signal 1-41665
- Hassab, J.C. *see* Boucher, R.E. 1-41673
- Hassan, A.F. Nonlinear feedback in sequential digital communication systems 1-33461
- Hassan, E.E.M. *see* Shafai, P.L. 1-28961
- Hassan, H. *see* Page, C.J. 1-51553
- Hassan, H.A. Kinetics of a CO<sub>2</sub> nuclear pumped laser 1-28619
- Hassan, H.A. Analysis of the UF<sub>6</sub>-Xe direct nuclear-pumped laser 1-33175
- Hassan, M. *see* Abu Hassan, M.
- Hassan, S.A. Influence of rotor and starting winding arrangements on the properties of the reluctance motor 1-35138
- Hasse, R. An on-line microcomputer system for performing time domain reflectometry at radio and microwave frequencies 1-42522
- Hasselmann, F.J.V., Felsen, L.B. Complex ray and evanescent wave analysis of parabolic reflector antennas 1-41342
- Hasseliis, F., Lyons, J., Konheim, C.S. Start-up consideration in utility use of a refuse derived fuel 1-31038
- Hassenzahl, W. A comparison of the costs of superconducting accelerator dipoles using NbTi, Nb<sub>3</sub>Sn and NbTiTa 1-43112
- Hassenzahl, W. *see* Althaus, R. 1-43113
- Hassenzahl, W. *see* Gilbert, W.S. 1-48532
- Hassenzahl, W. *see* Taylor, C. 1-43114, 1-51112
- Hassenzahl, W.V. *see* Boenig, H.J. 1-31386
- Hasslacher, J. A small signal amplifier with filter and isolating stage 1-32187
- Hassler, D., Feigt, I. Image quality with ultrasonic arrays for medical real-time diagnostics. III. Dynamically focused three-line array for improved resolution 1-52768
- Hassler, H., Kippenberg, P.H., Schreiner, H. Contact materials for medium voltage vacuum switches 1-44262
- Hassner, A., Stange, H.W. Some tests to improve the accuracy of porosity and crack measurements on noble metal layers 1-36025
- Hassner, D. *see* Sklansky, J. 1-48691
- Hassner, M. *see* Adler, R.L. 1-33515
- Hasson, A., Binder, E., Burcat, A. Electronic networks for sampling and merging sixteen measurement channels 1-30065
- Hasstedt, J. *see* Brennan, J.M. 1-42947
- Hassun, R. A high-purity, fast-switching synthesized signal generator 1-30139
- Hastie, W.M. Adhesives for electronics 1-35645
- Hastings, J.B. *see* Heald, S.M. 1-52635
- Hastings, M., Cawley, M.E. Community leaders' perspectives on socio-economic impacts of power-plant development 1-53154
- Hastings, M.V. Battery voltage monitor 1-27279
- Hastings, M.V. Model train controller 1-32372
- Hasui, K., Kobayashi, T., Endo, K. A study of software architecture for ISDN 1-42118
- Hasui, K., Nakamura, K., Kanatani, Y., Ochiai, S. A high level programming language for electronic switching systems 1-29564
- Hasuike, K., Konishi, K., Asami, T., Kurematsu, A. Text and facsimile integrated terminal 1-29511
- Hasuo, S., Suzuki, H., Imamura, T., Yamaoka, T. SQUIDS as potential elements in Josephson computers 1-40861
- Hasuo, S., Suzuki, H., Yamaoka, T. Characteristics of a counter-electrode coupled logic gate using Josephson junctions 1-28319
- Hata, H. *see* Mori, S. 1-43697
- Hata, M., Kinoshita, K., Hirade, K. Outage and fading margin in mobile radio link design 1-47565
- Hata, M., Kinoshita, K., Hirade, K. Evaluation of diversity effects on mobile radio system design 1-47566
- Hataji, A. *see* Nakamori, S. 1-29147
- Hatanaka, K. *see* Matsuoka, N. 1-43201
- Hatanaka, Y., Nakaoka, M., Maruhashi, T., Nishimura, M. High-frequency inverter by reverse-conducting thyristors for high-power ultrasonic generator 1-44225
- Hatanaka, Y., Sukegawa, T., Ando, T. Emission distributions from NEA cold cathodes 1-40345
- Hatano, H. *see* Isobe, M. 1-27469
- Hatano, S. *see* Shinohara, H. 1-46545
- Hatate, Y. *see* Komiya, K. 1-48118
- Hatayama, K. *see* Mine, H. 1-39455
- Hatch, M. *see* Miller, J. 1-40876
- Hatfield, D. *see* Kaloi, C.M. 1-51710
- Hatori, K. *see* Iisaku, S. 1-39512
- Hatori, K. *see* Miyayana, Y. 1-41547
- Hatori, K. *see* Sakagami, I. 1-40199
- Hatori, K. *see* Shibata, K. 1-36326
- Hatori, M., Tsukamoto, N. Design of a prediction filter by the forward selection procedure 1-33647
- Hatori, Y. *see* Murakami, H. 1-42211
- Hatsios, J.G. *see* Cioffi, J.M., Jr. 1-50016
- Hatton, D. *see* Khokhani, K.H. 1-46248
- Hatton, V. *see* Faugier, A. 1-48459
- Hatton, V. *see* Shering, G. 1-42803
- Hattori, H. *see* Tanaka, M. 1-34582
- Hattori, K., Itoh, H., Mori, T., Tanbara, M. STOC-101 fault recovery program [facsimile] 1-33770
- Hattori, K. *see* Adachi, T. 1-33772
- Hattori, K. *see* Haraga, K. 1-50002
- Hattori, S. *see* Goto, T. 1-28629
- Hattori, S. *see* Ishii, Y. 1-36825
- Hattori, S. *see* Iwata, A. 1-33862
- Hattori, S. *see* Takasu, K. 1-37072
- Hattori, T., Chida, K., Fujino, T., Honma, T., Hori, T., Mizobuchi, A., Nakanishi, T., Ohshiro, Y., Sato, K., Yamada, S., Yamazaki, N., Hirao, Y. Beam transport system for heavy-ion storage ring TARN 1-48383
- Hattori, T. *see* Imamura, K. 1-47568
- Hattori, T. *see* Noda, A. 1-43038
- Hattori, T. *see* Ueda, N. 1-48377
- Hattori, Y. *see* Mukunashi, H. 1-37914
- Hatzinger, G. LED displays today 1-38243
- Haubitzer, W. The electromagnetic field, pressure and velocity distribution in molten metal carried in electromagnetic conveyors energized by moving fields 1-51555
- Hauck, J.P., Beguwalá, M.M., Hayes, C.L., Pals, R.F. Laser annealing of silicon wafers at 10.6  $\mu$ m 1-32619
- Hauden, D., Planat, M., Gagnepain, J. Nonlinear properties of surface acoustic waves: applications to oscillators and sensors 1-51069
- Hauden, D., Theobald, G. Dynamic thermal sensitivity of SAW quartz oscillators 1-36776
- Hauden, D. *see* Auld, B.A. 1-52575
- Hauer, A. *see* Ping Lee 1-28825
- Hauer, J.F., Cresap, R.L. Measurement and modelling of pacific AC Intertie response to random load switching 1-30700
- Hauer, J.F., Cresap, R.L. Measurement and modeling of Pacific AC Intertie response to random load switching 1-34840
- Hauer, J.F. *see* Cresap, R.L. 1-43513
- Hauer, J.F. *see* Cresap, R.L. 1-34761
- Haug, K. Design of a fifth-degree low-pass filter in switched-capacitor technology 1-27517
- Haug, K. Design, analysis and optimization of switched-capacitor filters derived from lumped analog models 1-45454
- Haug, N. *see* Davids, P. 1-38894
- Haugen, P.R. *see* Case, S.K. 1-51531
- Haight, D.E. Ionized air detector 1-42609
- Haukula, P. *see* Eloholma, A. 1-51949

- Hauptschein, A.**, Kajor, M. Recognition and self-organization of nodes into TDMA nets 1-47299
- Hauri, J.** *see* Charransol, P. 1-29567
- Haurie, A.**, Berger, C., Pelland, S. Optimal control of discrete time population processes 1-50170
- Haus, H.A.** Modelocking of semiconductor laser diodes 1-46744
- Haus, H.A.** Noise in free-electron laser amplifier 1-51310
- Haus, H.A.**, Wright, P.V. The analysis of grating structures by coupling-of-modes theory 1-36779
- Haus, H.A.** *see* Akiba, S. 1-46733
- Haus, H.A.** *see* Wright, P.V. 1-36780
- Hauschild, W.** High-voltage test systems of the TuR—a plant programme for industry, research, and teaching 1-49189
- Hauschild, W.** The investigation of the breakdown probability of high-voltage insulators from their enlargement 1-53125
- Hauschild, W.**, Kuttner, H., Thummmler, K. Systems for wide-band measurement of partial discharges in high-voltage insulations 1-47873
- Hause, J.R.**, Kverek, R.C. Wafer thinning and chemical polishing machine 1-32764
- Hause, L.L.**, Komorowski, R.A., Gayon, F. Electrode and electrolyte impedance in the detection of bacterial growth 1-34623
- Hauser, F.** *see* Ristic, V.M. 1-36804
- Hauser, H.**, Irniger, F., Skalsky, P. The automatic processor-controlled test equipment APEA 64S 1-42062
- Hauser, J.R.** *see* Takeda, Y. 1-40391
- Hauser, Z.** *see* Fidler, Z. 1-46353
- Hausler, E.A.** *see* Eberts, K. 1-38701
- Hausmann, D.**, Kannan, R., Korte, B. Exponential lower bounds on a class of knapsack algorithms 1-45001
- Hausner, O.** Unit cost calculation in the electricity supply industry 1-52998
- Haussig, R.** Investigation of the parallel field capacitor for measuring throughput and simultaneously determining qualitative characteristics of fodder on belt conveyers in industrial type cattle production 1-34238
- Hausser, E.** On the origins of the cathode-ray tube 1-31756
- Hautefeuille, M.** Propagation anomalies of centimeter waves in Senegal 1-29628
- Hautin, F.** Digitizing technical documentation for telecommunications equipment: the PASTEC system and DN1 language 1-29273
- Havel, J.**, Saic, S., Tomes, V. Methods of optical signal processing 1-33679
- Havelock, D.** *see* Pelkowitz, L. 1-32327
- Havig, T.F.** *see* Glaser, H.C. 1-52129
- Havnur, S.S.** *see* Revankar, G.N. 1-49567
- Hawk, R.M.** Multimode waveguide attenuation measurements 1-28488
- Hawke, R.S.** Railgun accelerators for gram-sized projectiles 1-37268
- Hawker, P.** Multipath distortion—does polarization matter? 1-29851
- Hawkins, C.R.** *see* Feulner, R.A. 1-42598
- Hawkins, D.G.** Finite beamwidth effects in bulk acousto-optic interactions—theory and experiment 1-36991
- Hawkins, G.A.** *see* Greene, J.E. 1-50811
- Hawkins, G.J.** *see* Tan, B.S. 1-32353
- Hawkins, N.C.** Energy information resources 1-49213
- Hawks, D.A.** *see* Weiss, J.A. 1-48075
- Hawksford, M.J.** Distortion correction circuits for audio amplifiers 1-50438
- Hawley, J.G.** Dual-wavelength laser radar probes for air pollutants 1-43453
- Hawley, S.A.** *see* Hughes, G. 1-50472
- Haworth, D.P.**, McEwan, N.J. Spectral analysis of the received signal on a 20 GHz bistatic scatter link 1-28875
- Haworth, D.P.** *see* Brain, D.J. 1-42220
- Haworth, D.P.** *see* Dissanayake, A.W. 1-28876
- Hawrylak, R.** *see* Batchelor, K. 1-43082
- Hawrykiewicz, A.** *see* Kaplon, A. 1-39179
- Hawrylo, F.Z.** LPE growth of 1.3  $\mu\text{m}$  InGaAsP CW lasers on (110) InP substrates 1-33227
- Hawrylo, F.Z.** *see* Ladany, I. 1-39790
- Hawryluk, R.J.** Exposure and development models used in electron beam lithography 1-50860
- Hawthorne, C.A.** *see* Moore, R.P. 1-48805
- Hawton, A.** *see* Howarth, J.R. 1-32578
- Hay, D.R.** *see* Chan, W.Y. 1-30059
- Hay, G.** *see* Brace, D.J. 1-42282
- Hay, H.J.**, Pender, L.F., Treacy, P.B. Electron vacancy production in near-symmetric collision of 100 MeV copper ions 1-48671
- Hay, J.** Improvement of the imaging of moving acoustic sources by the knowledge of their motion 1-42348
- Hay, R.D.**, Millner, A.R., Jarvinen, P.O. Residential photovoltaic flywheel storage system performance and cost 1-31495
- Hayakawa, H.** *see* Shinoki, F. 1-32994
- Hayakawa, H.** *see* Shoji, A. 1-51109
- Hayakawa, H.** *see* Sugai, T. 1-29977
- Hayakawa, K.** *see* Ishikawa, S. 1-49843
- Hayakawa, K.** *see* Tsukada, K. 1-38526
- Hayakawa, M.**, Okada, T., Iwai, A. A new whistler direction finder 1-48866
- Hayakawa, M.** *see* Okada, T. 1-48853
- Hayakawa, S.** *see* Nashimoto, Y. 1-27889
- Hayakawa, S.** *see* Ogawa, H. 1-32073
- Hayakawa, S.** *see* Yamazaki, O. 1-36795
- Hayakawa, Y.**, Egawa, J., Yosioka, K., Wagai, T. Multifrequency echoscopy for quantitative acoustical characterization of living tissues 1-43303
- Hayama, H.** *see* Matsumura, M. 1-42540
- Hayasaka, A.** *see* Ogirima, M. 1-32877
- Hayasaka, T.** *see* Saito, T. 1-34692
- Hayashi, A.** Delta modulation of time-discrete processes with IID increments having a rational characteristic function 1-33479
- Hayashi, F.** *see* Iwasaki, M. 1-29587
- Hayashi, H.** *see* Matsushita, T. 1-40555
- Hayashi, H.** *see* Yamada, H. 1-47728
- Hayashi, K.** Research and development on high-definition television in Japan 1-34037
- Hayashi, K.**, Nakamura, M., Miyauchi, K., Yamamoto, I. Automatic recording quartz spring balance with an image sensor 1-47903
- Hayashi, K.** *see* Ishida, M. 1-35166
- Hayashi, M.** *see* Ishiguro, T. 1-49816
- Hayashi, M.** *see* Kakimoto, N. 1-30635
- Hayashi, M.** *see* Mizuno, M. 1-38823, 1-43790
- Hayashi, M.** *see* Ohsawa, Y. 1-38665
- Hayashi, M.** *see* Tokuda, Y. 1-32712
- Hayashi, S.** *see* Itoh, K. 1-51768
- Hayashi, S.** *see* Shibuya, Y. 1-35111
- Hayashi, S.A.**, Yamamoto, S., Kimura, I., Kobayashi, K., Mori, T., Kanazawa, S., Nishihara, H., Bokharee, S.A., Emmett, R.W., Block, R.C., Becker, M., Harris, D.R., Malaviya, B.K. Measurements of angular distributions and energy spectra of neutrons from photon neutron targets for fast neutron spectrum study 1-52651
- Hayashi, T.** *see* Ema, Y. 1-40458
- Hayashi, Y.**, Kitazawa, T., Sasaki, S. Analysis of coplanar strip lines on an anisotropic substrate using Galerkin's method 1-46995
- Hayashi, Y.**, Sato, N., Ogura, Y., Hoshino, T. Effects of exciting frequency on the characteristics of attractive-type magnetic levitation 1-35438
- Hayashi, Y.** *see* Hoshino, T. 1-39169
- Hayashi, Z.** *see* Tokushima, H. 1-47269, 1-51879
- Hayashibara, G.M.** *see* Chang, K. 1-40538
- Hayashibara, G.M.** *see* Kai Chang 1-45685
- Hayashibe, S.** *see* Fujioka, M. 1-48328
- Hayashida, K.** *see* Sugiyama, K. 1-49115
- Hayashida, Y.**, Tezuka, Y. Traffic characteristics of the stored-message transmission system 1-47279
- Haydar, A.**, Coret, A., Draman, C., Oudjehane, N. Excitonic photoconductivity in plastically deformed  $\text{Cu}_2\text{O}$  1-37004
- Haydl, W.H.**, Sander, W., Wirth, W.-D. Precision SAW filters for a large phased-array radar system 1-37968
- Haydu, J.L.** Contact design for air break AC motor starters 1-53576
- Hayen, L.** *see* Staes, K. 1-34071
- Hayes, C.L.** *see* Hauck, J.P. 1-32619
- Hayes, H.** *see* Quatieri, T.F. 1-37585
- Hayes, H.**, III PCB removal goes underground 1-35231
- Hayes, J.F.F.** Channel sharing among many bursty sources 1-33444
- Hayes, J.F.** Local distribution in computer communications 1-41965
- Hayes, J.F.** *see* Foschini, G.J. 1-47086
- Hayes, J.P.** *see* Sridhar, T. 1-32302
- Hayes, J.R.**, Tatham, H.L., Adams, A.R. Pressure dependence of hole mobility in  $\text{In}_{1-x}\text{Ga}_x\text{As}$ ,  $\text{P}_{1-y}\text{As}_y$  and its relation to alloy scattering 1-27800
- Hayes, M.H.** Multidimensional signal reconstruction from phase or magnitude 1-41768
- Hayes, M.H.** *see* Oppenheim, A.V. 1-29222
- Hayes, P.** Quality assurance and the introduction of a company management information system 1-35658
- Hayes, S.T.** *see* Schaubert, D.H. 1-28998
- Hayes, S.T.** *see* Sindoris, A.R. 1-51744
- Hayes, T.A.** Providing water supplies during power failures [standby power] 1-49025
- Haykin, S.** *see* Gibson, C. 1-42297
- Haykin, S.** *see* Kesler, J. 1-42296
- Haykin, S.** *see* Kesler, S.B. 1-37977
- Haymann-Haber, G.**, Thompkins, W.T., Jr. Comparison of experimental and computational shock structure in a transonic compressor rotor 1-34406
- Hayn, C.H.** Liquid crystal displays 1-39307
- Haynes, G.S.** *see* Baboian, R. 1-30747, 1-34884
- Haynes, J.M.** *see* Sentovich, M.F. 1-47952
- Hays, L.G.** *see* Cerini, D.J. 1-31073
- Hays, P.B.** *see* Abreu, V.J. 1-48847
- Hays, P.B.** *see* Sharp, W.E. 1-30547
- Hays, W.D.** *see* Anderson, E. 1-34712
- Hayt, W.H., Jr.** Engineering electromagnetics. 4th edition 1-49869
- Hayward, G.** *see* Durrani, T.S. 1-43478
- Hayward, G.** *see* Macleod, C.J. 1-43474
- Hayward, L.** Time sharing limited mains supplies 1-30648
- Hayward, L.**, Sargent, G.E.G. Precision pulse generator 1-27357
- Hayward, R.A.** *see* Tricoles, G. 1-41156
- Hayya, J.C.** *see* Sullivan, R.S. 1-35732
- Hazama, K.** Recent SAW devices 1-32926
- Hazama, K.** *see* Kishimoto, K. 1-36794
- Hazama, K.** *see* Matsu-ura, S. 1-38008
- Hazan, E.** Advances in underground distribution cable 1-43709
- Hazard, W.R.** Computer reduction of aerial thermograms for large scale energy audits 1-53017
- Hazelrigg, G.A.** *see* Adler, R.B. 1-43562
- Hazelton, D.W.** *see* Scudiere, J.D. 1-28290
- Hazelton, E.** *see* Hinkson, J. 1-48357
- Hazon, D.** *see* Abramson, J. 1-38506
- He Hongjia** *see* Fan Tiwen 1-32633
- He Xiaoming** *see* Ni Guanjun 1-33088
- He You-Wen** An analysis of 'tweek' observed at Beijing 1-46863
- He Yuliang** *see* Chen Kunji 1-27974
- He Yusheng** *see* Yaraneri, H. 1-36494
- Head, E.D.** *see* Cherin, A.H. 1-28491
- Head, E.D.** *see* Saunders, M.J. 1-36915
- Head, W.A.** *see* Smith Head, W.A.
- Heading, J.** The effects of an approximate replacement of one ionospheric refractive index profile by another 1-37300
- Headon, R.F.** *see* Veveris, A.J. 1-40620
- Heald, D.** UK energy policy: economic and financial control of the nationalized energy industries 1-49906
- Heald, R.W.** *see* Cummins, A.W. 1-26937
- Heald, S.M.** Evaluation of focusing monochromators for an EXAFS spectrometer 1-34520
- Heald, S.M.**, Hastings, J.B. Grazing incidence optics for synchrotron radiation X-ray beamlines 1-52635
- Healey, D.** Determining the optimum thermal design of buildings housing telecommunications switching equipment 1-42032
- Healey, D.G.** A review of kiosk substation development 1-44176
- Healey, P.** QTDR by photon counting 1-40953
- Healey, P.**, Hensel, P. Optical time domain reflectometry by photon counting 1-28503
- Healy, H.J.** *see* Coombs, V.D. 1-40295
- Healy, J.D.** The effects of misclassification error on the estimation of several population proportions 1-44841
- Healy, R.D.**, Gupta, R.R., Morris, P.B. Updated station deselection procedures to support automatic Omega receiver operation 1-52175
- Heap, P.** One IC dice 1-40149
- Heaps, W.C.**, McGee, T.J., Hudson, R.D. Balloon-born lidar observations of stratospheric hydroxyl and ozone 1-48863
- Hearn, E.W.** *see* Elliott, B.J. 1-50347
- Hearn, W.** *see* Hinkson, J. 1-48357
- Heasel, E.L.** The derivation of a relationship for the charge-control base lifetime in terms of the base and collector small-signal conductances 1-32799
- Heath, A.J.** *see* Gavrilovic, A. 1-49806
- Heath, G.E.** Bistatic scattering reflection asymmetry, polarization reversal asymmetry, and polarization reversal reflection symmetry 1-42287
- Heath, G.E.** Properties of the linear polarization bistatic scattering matrix 1-42288
- Heathcote, A.** *see* Britton, A. 1-35356
- Heathcote, P.**, Gould, D. The specification of antistatic foams to avoid storage defects 1-26947
- Heatley, D.J.** *see* Brace, D.J. 1-29727
- Heavside, J.W.** A solid-state 1 kW MF transmitter—the simple approach 1-47768
- Hebard, A.F.**, Eick, R.H., Schwartz, G.P. Ion beam induced changes in the oxide composition of PbIn alloy tunnel junction electrodes 1-28326
- Hebbs, G.**, Greensmith, J. New generation Primary PCM Multiplex and Signalling 1-42037
- Hebel, G.** Improving efficiency and availability of steam turbines 1-53275
- Hebel, W.** *see* Decreton, M. 1-30250
- Hebert, D.** *see* Boving, J. 1-53055
- Hebert, J.E.** Critical path analysis for stochastic project network models 1-35597
- Hebner, R.E., Jr.** *see* Kelley, E.F. 1-28156, 1-32908, 1-51032, 1-51054
- Hebuterne, G.** Performance evaluation of a data link protocol: the signalling system CCITT no.7 1-51944
- Hecht, D.L.**, Petrie, G.W. Acousto-optic diffraction from acoustic anisotropic shear modes in gallium phosphide 1-33098
- Hecht, D.L.** *see* Chang, I.C. 1-41813
- Hecht, D.L.** *see* Guilfoyle, P.S. 1-51239
- Hecht, G.** *see* Kubfer, H. 1-35975
- Hechtel, J.R.** Magnetic focusing of electron beams in the presence of transverse velocity components 1-37265
- Heck, B.** *see* Cockerill, D. 1-43233
- Heck, L.D.** *see* Bulger, G.A. 1-46274
- Heckelman, R.W.**, Bhavsar, D.K. Self-testing VLSI 1-28084

- Hecker, G. The significance and characteristics of regional electricity supply 1-43505
- Heckert, R. *see* Gollnick, D. 1-33819
- Heckmann, S. Modal noise in single-mode fibers 1-33053
- Heckmann, S. Modal noise in single-mode fibres operated slightly above cutoff 1-46505
- Hector, J. *see* de Fornel, B. 1-53713
- Hedayat, A., Li, S.-Y.R. Combinatorial topology and the trade off method in BIB designs 1-27016
- Hedden, W.D. Progress 1980—the world of motion pictures and television 1-37988
- Hedelin, P. A tone-oriented voice-excited vocoder 1-37461
- Hedelin, P., Hult, G. QD—an algorithm for non-linear inverse filtering 1-37466
- Hederer, A. Measurements technology 1-38082
- Hediger, R. *see* Miller, R.E. 1-31270
- Hedin, R.A., Stump, K.B., Hingornai, N.G. A new scheme for subsynchronous resonance damping of torsional oscillations and transient torque. II. Performance 1-38722
- Hedin, R.A., Stump, K.B., Hingornai, N.G. A new scheme for subsynchronous resonance damping of torsional oscillations and transient torque. II. Performance 1-38785
- Hedlund, L.V. The TR-800 VTR—a computer-based total system design 1-42432
- Hedlund, L.V. RCA's TR-800 helical VTR: a computer-based total system design 1-42446
- Hedlung, L.V. The computer-controlled MAZ system for standard 'C' [video recording] 1-47813
- Hedman, L. Low voltage fusegear and distribution pillars for three-phase systems 1-35261
- Hedman, L., Svensson, B. Critical factors in accessories for XLPE cables 1-49147
- Hedman, R.L. *see* Goretski, J.A. 1-36296
- Hedrich, P. *see* Gerisch, G. 1-34973
- Hedtkke, P.A. *see* Pecina, R.J. 1-47901
- Hee, J. *see* Thomsen, C. 1-37446
- Heebner, R.W. *see* Sanchez, J. 1-36914
- Heegard, C. *see* ElGamal, A. 1-33468
- Heeger, A.J., MacDiarmid, A.G. Conducting organic polymers: doped polyacetylene 1-27937
- Heeger, A.J. *see* Feldblum, A. 1-32892
- Heeks, J.S. *see* Adams, G.R. 1-36754
- Heeler, R. *see* Mitchell, T. 1-50115
- Heeley, D.W. *see* Krauskopf, J. 1-43277
- Heer, E. *see* Besset, D. 1-42776
- Heer, H.J. *see* de Heer, H.J.
- Heer, W. Quasistatic RAM for problem free storage systems 1-40015
- Heeringa, W. Polarized targets in nuclear and high energy physics 1-43145
- Heese, R.N. Status of the National Synchrotron Light Source project 1-52616
- Heese, R.N. *see* Galayda, J.N. 1-43032, 1-48330
- Heethaar, R.M. *see* Herbschleb, J.N. 1-48737
- Heffernan, K.J., Fountain, G.H., Tossman, B.E., Mobley, F.F. The Magsat attitude control system 1-34651
- Heffernan, M.D., Arrillaga, J., Turner, K.S., Arnold, C.P. Recovery from temporary HVDC line faults 1-38725
- Heffernan, M.D., Arrillaga, J., Turner, K.S., Arnold, C.P. Recovery from temporary HVDC line faults 1-38733
- Heffner, B.L. *see* Attard, A.E. 1-36988
- Heffner, R.H. *see* Baer, H.W. 1-34516
- Heffner, W.R. *see* Berreman, D.W. 1-46585
- Hefnawy, A.A. *see* El-Sattar, A. 1-44214
- Hefner, W.J. *see* Broadley, I.C. 1-49304
- Hegedus, A. Algorithms for covering polygons by rectangles [integrated circuit mask CAD] 1-32865
- Hegedus, Z. Amorphous coat deposition from water solutions 1-50305
- Heger, H.D. Quality assurance with EDP—an example from the packing industry 1-50036
- Heggestad, H.M. A flexible routing algorithm for the future Defense Switched Network 1-29333
- Heginbotham, W. Robotics for industry 1-39389
- Hegji, S.J. *see* Symons, R.S. 1-32569
- Hegyi, S. A saw-tooth domain wall in NiFe films with uniaxial anisotropy 1-51078
- Hehlen, R. *see* Hareng, M. 1-52546
- Heiberger, D. *see* Busse, L. 1-35028
- Heiblum, M. Tunneling hot electron transfer amplifiers (THETA): amplifiers operating up to the infrared 1-36539
- Heiblum, M., Nathan, M.I., Osterling, L.E., Potemski, R.M., Small, M.B. Fanning-out ohmic contact: a novel process to overcome the problems associated with contact resistance 1-36516
- Heiblum, M. *see* Chin-An Chang 1-50810
- Heichel, W. Manual determination of frequency-disturbance class-tables 1-34812
- Heichele, L. Influence on antenna gain and polarization purity of reflectors manufactured from carbon fibre composite materials 1-33406
- Heidbreder, A.F. Calibration of earphones on a flat-plate coupler: Exploring two setup procedures 1-47854
- Heide, K. Decision related theoretical fundamentals for a quantitative evaluation of the protective quality of electrotechnical installations in the designing phase 1-35602
- Heideck, G. *see* Ecklebe, P. 1-49721
- Heidelberger, P., Lewis, P.A.W. Regression-adjusted estimates for regenerative simulations, with graphics 1-39529
- Heidelberger, P., Welch, P.D. A spectral method for confidence interval generation and run length control in simulations 1-39526
- Heiden, D. *zur see zur* Heiden, D.
- Heider, H.J. *see* Berndt, G. 1-44418
- Heidermark, A., Hemrin, P. Stored program signalling in Sweden—motives, plans and possibilities 1-47313
- Heidmann, J. *see* Konishi, S. 1-36811
- Heidner, D. *see* Grobe, R. 1-29762
- Heidrich, P.F., Laff, R.A. Jig for simultaneous assembly of hybrid chips on a substrate 1-27734
- Heidtmann, K.D. A class of noncoherent systems and their reliability analysis 1-50064
- Heifetz, J., Benjamin, M., Listvinsky, L. Dynamic analyses of elasto-plastic piping systems undergoing large deformations 1-45049
- Heighway, E.A. COILS - A code to calculate the median plane axial magnetic field of current carrying coils or uniformly magnetized materials of irregular shape 1-48213
- Heijden, R.W. *van der see van der* Heijden, R.W.
- Heijnemans, W.A.L., Nieuwendijk, J.A.M., Vink, N.G. The deflection coils of the 30AX colour-picture system 1-50730
- Heikal, H. Three-dimensional measurements of aerodynamic flow by means of pressure probes. II. Estimation of correcting factors 1-30283
- Heikes, R.G., Montgomery, D.C. Productivity is enhanced with statistical quality control 1-44732
- Heikkila, S. *see* Tiuri, M. 1-48261
- Heiman, G. *see* Bolliini, D. 1-38421
- Heiman, N. Method for hot filament triode sputter etching and sputter deposition 1-35965
- Heiman, N. Method for magnetically assisted sputter etching and deposition 1-35966
- Heime, A., Senske, W., Tews, H., Matthes, H. Photoluminescence of ZnS<sub>x</sub>Se<sub>1-x</sub> epilayers and single crystals 1-33161
- Heime, K. *see* Tegude, F.J. 1-27832
- Heimeier, H.H., Klein, W., Najmann, K., Wernicke, F. Clocked phase splitter 1-36668
- Hein, H.-W., Niemann, H. Expert knowledge for automatic understanding of continuous speech 1-33587
- Hein, R.A. Superconducting materials: ten years do make a difference 1-28282
- Heindl, R. *see* Redon, A.M. 1-31393
- Heindl, R. *see* van Amerongen, G. 1-44317
- Heine, E. *see* Bruinsma, P.J.T. 1-43063
- Heinemeier, J. *see* Bjornstad, T. 1-48551
- Heinemeier, J. *see* Vosicki, B. 1-52655
- Heinemeyer, P. *see* Nestler, J. 1-26931
- Heinen, J.A. *see* Reyer, S.E. 1-47188
- Heiner, H. Remote copying—a world-wide form of telecommunication 1-51934
- Heines, J.M. BIT and ATE. II. Making room for reliability 1-32858
- Heining, U. Data transmission for safety systems in nuclear power stations 1-30912
- Heinisch, J. Aiming at a general routing strategy 1-46255
- Heinlein, W. *see* Witte, K.-H. 1-36874
- Heinonen, M. On the structure and characteristics of surge arresters 1-30816
- Heinrich, J.P., Donato, J.W., Kalsi, S.S., Linkin-hoker, C.L., Willig, R.L., Walker, M.S., Royet, J.M., Morrow, G.R. Scoping study of a 12 T toroidal field coil for the fusion engineering test facility 1-28381
- Heinrich, J.P. *see* Walker, M.S. 1-28287
- Heinrich, R.F., Kuhl, J.P. Contact installation apparatus 1-50685
- Heinrichs, H. *see* Bernard, P. 1-48533
- Heinrichs, W. *see* Guth, V. 1-38499
- Heins, D. *see* Degele, D. 1-43142
- Heins, D. *see* Rossbach, J. 1-42785
- Heinz, H.-P. Theorems of Ascoli type involving measures of noncompactness 1-35717
- Heinz, R.M. *see* Crittenden, R.R. 1-48579, 1-48614
- Heinz, W.W. *see* Joly, R. 1-45666
- Heinze, D. *see* Schmidt, E. 1-44258
- Heinze, W. *see* Baribaud, G. 1-42939
- Heinze, W. *see* Popescu-Zeletin, R. 1-41951, 1-51975
- Heisig, M. BiMOS—a new way to simplify high-power custom interface 1-40676
- Heisig, U. *see* Schiller, S. 1-32082
- Heising-Goodman, C.D. Supply of appropriate nuclear technology for the developing world: small power reactors for electricity generation 1-30923
- Heising-Goodman, C.D., Lepervanche-Valencia, J. An evaluation of containment inerting and air dilution systems as methods for post-accident hydrogen control in BWRs 1-43874
- Heissrath, M. Stationary transmission behaviour of the current transformers in the overcurrent range 1-49529
- Heiter, G.L., Miedema, H. A phase alignment network for space diversity combining [microstrip implementation] 1-47539
- Heitmann, D., Ortiz, C. Calculation and experimental verification of two-dimensional focusing grating couplers 1-40901
- Heitzer, H. The electrical industry in the field of the aims of economic and energy policies 1-43820
- Heitzmann, J. *see* Aleksan, R. 1-48582
- Hejjas, I., Bencze, J., Balogh, A. Noise analysis for sampling electronic measuring devices 1-42501
- Hejnowicz, G. *see* Bujko, J. 1-53080
- Helbig, H.F. *see* Czanderna, A.W. 1-35378
- Held, V. Navigation for helicopters by multiple use of inertial sensors 1-52888
- Helfrich, J.H. *see* Solomon, F.J. 1-31109
- Helfrich, W.J. *see* Fesak, G. 1-53575
- Helfrich, W.J. *see* Vilcheck, W.S. 1-53574
- Helgason, R.V., Kennington, J.L. Spike swapping in basis reinversion 1-27047
- Helix, M. *see* Jamison, S. 1-45682
- Helix, M.J. *see* Weinman, L.S. 1-46098
- Helke, G., Roder, G. Ternary solid solutions as efficient piezoceramic substances 1-28160
- Helland, K.N. *see* Lii, K.S. 1-50129
- Hellborg, R., Hakansson, K. Some improvements of the Pelletron accelerator in Lund 1-42844
- Helle, O. *see* Braek, R. 1-42112
- Heller, A., Miller, B., Thiel, F.A. 11.5% solar conversion efficiency in the photocathodically protected p-InP/V<sup>3+</sup>-V<sup>2+</sup>-HCl/C semiconductor liquid junction cell 1-35353
- Heller, B. *see* Hamata, V. 1-36368, 1-49448
- Heller, B.D. Interactive graphics: the complete PCB solution 1-27685
- Heller, J.A., Wolf, J.K. Coding gains from ARQ error control systems 1-33535
- Heller, J.A. *see* Dankberg, M.D. 1-29701
- Heller, L. Condensers in series work well 1-49272
- Heller, L.G. *see* Terman, L.M. 1-28130
- Heller, S.L., Wexler, J.P., Powell, M., Blaurock, M.D. Deadline measurements with a multihole phantom 1-30411
- Heller, W.R. Contrasts in physical design between LSI and VLSI 1-46256
- Hellman, M.E. *see* Krasniansky, E. 1-33513
- Hellman, M.E. *see* Reyneri, J.M. 1-33514
- Hellman, O. The diesel generator in rural electrification 1-35071
- Hellouin, Y. *see* Garrigues, M. 1-46142
- Hellwag, W. *see* Kutschera, J. 1-52782
- Hellstrom, E.E. *see* Schoonman, J. 1-44343
- Hellstrom, S. Static electricity blows components 1-37255
- Hellstrom, T. Some milestones in the history of the squirrel-cage induction motor 1-53422
- Hellwarth, R.W. *see* Hon, D.T. 1-46801
- Hellwig, W. *see* Schiekel, M. 1-27772
- Helm, H.-M. Characteristic values of integrated piezoresistive devices 1-46356
- Helm, R. *see* Richter, B. 1-42876
- Helm, R.H. *see* Lee, M.J. 1-42908
- Helman, D.R., Langdon, G.G., Jr., Rissanen, J.J. Arithmetic compression code control parameter approximation 1-47176
- Helman, D.R. *see* Jones, J.D. 1-52475
- Helmer, R.G. *see* Johnson, L.O. 1-34512
- Helmolt, C.v. *see* v. Helmholt, C.
- Helmolt, C.H. *von see von* Helmholt, C.H.
- Helmore, D.E. *see* Derwent, H.L. 1-42360
- Helms, C.R. *see* Adachi, T. 1-50841
- Helms, C.R. *see* Schwarz, S.A. 1-40467
- Helms, H., Scheibe, A. Experimental evidence for the influence of thermal expansion of the substrate on the temperature coefficient of resistance of resistive films 1-32508
- Helstrom, C.W. Performance of quantum signals in unimodal and bimodal optical communications 1-33429
- Helstrom, C.W. The conversion of a pure state into a statistical mixture by the linear quantum channel 1-37386
- Helszajn, J. Operation of tracking circulators 1-36328
- Helszajn, J. Standing wave solutions of planar irregular hexagonal and wye resonators 1-40219
- Helszajn, J., Nisbet, W.T. Circulators using planar WYE resonators 1-36327
- Helszajn, J., Powlesland, M.E. Low-loss high-peak-power microstrip circulators 1-40220
- Helszajn, J. *see* Nisbet, W.T. 1-46990
- Helsztynski, J., Majewski, A. The electric model of electrooptical modulator of light 1-46574
- Heltzig, M., Spiegel, P. Universal filter unit in active RC technique—development and application 1-27502
- Hemery, J.-Y., Hofmann, A., Koutchouk, J.-P., Myers, S., Vos, L. Investigation of the coherent beam-beam effects in the ISR 1-43005
- Hemery, J.-Y., Lemeilleur, F., Olsen, R., Potter, K. Background and luminosity monitoring at the CERN ISR 1-43092

- Hemery, J.-Y., Vos, L.** A procedure for obtaining transverse wall impedance and working line from transfer function measurements 1-48479
- Hemery, J.-Y.** *see* Gamble, J. 1-48317
- Hemi, Y.** *see* Sakai, Y. 1-34448
- Hemingway, R.J.** *see* Conetti, S. 1-42877
- Hemment, P.L.F.** Beam detection and dose measurement 1-38364
- Hemmert, R.S.** Recoverable ionic contaminant induced failures on n-channel memory products 1-32883
- Hemmert, R.S.** Poisson process and integrated circuit yield prediction 1-46216
- Hemmes, D.G.** *see* Hillen, M.W. 1-40471
- Hemmi, Y.** *see* Hanson, J. 1-34445
- Hemmie, G., Leneke, M.** Reduction of the horizontal antialiasing in the DESY electron synchrotron 1-43019
- Hemmie, G.** *see* Febel, A. 1-42864
- Hemmings, D.F.** *see* Fernandes, R.A. 1-29777
- Hempel, M.** The Markersbach pumped-storage scheme—A modern peak-load power station on the GDR power system 1-53306
- Hempstead, D.G.** X-ray source for EXAFS 1-34526
- Hemrin, P.** Signal system no.7 1-47312
- Hemrin, P., Rassmussen, G.** An introduction to stored program controlled telephone networks 1-47337
- Hemrin, P., Rassmussen, G.** Signal network 1-47338
- Hemrin, P.** *see* Heidermark, A. 1-47313
- Hemsworth, A.D.** *see* Reeves, H.S.V. 1-42147
- Hen-Tai Shang** Chromatic dispersion measurement by white-light interferometry on metre-length single-mode optical fibres 1-51163
- Henaiff, J., Brossard, P.C.** Implementation of satellite communication systems using surface acoustic waves 1-37872
- Henaiff, J., Feldmann, M.** Electrically tunable narrow-bandwidth SAW filter 1-36790
- Henaiff, J., Feldmann, M., Carel, M., Dubois, R.** New SSWB mode in GaAs 1-36741
- Henaiff, J.** *see* Feldmann, M. 1-40110
- Henchey, M.A.** *see* Vuong, X.T. 1-46959
- Henck, R.** *see* Kaufman, L. 1-34422
- Hencke, H.** Piezoresistive pressure pickups 1-34243
- Hencke, H.** Linear and digital Hall-effect sensors 1-52437
- Henckel, L.** *see* Popescu-Zeletin, R. 1-41951, 1-51975
- Hendee, W.R.** *see* Cacac, R.K. 1-43310
- Hendel, R.H., Casey, D.D., Bickford, C.U.** Laser annealing of bipolar NPN transistors 1-46118
- Henderson, A.** *see* James, J.R. 1-28999
- Henderson, A.S.** Electronic thermometer 1-38239
- Henderson, B.W.** *see* Feng, M. 1-45927
- Henderson, D.** *see* White, J.C. 1-37071
- Henderson, H.B.** Is US industry ready for railroad electrification? 1-49766
- Henderson, H.T.** *see* Kapoor, A.K. 1-36584
- Henderson, R.A.** *see* Shelton, R.M. 1-49365
- Henderson, R.W.** *see* Dugger, G.L. 1-31115
- Henderson, T.** *see* Avery, R. 1-42826
- Hendrick, A.S.** Microcomputers for energy conservation in homes and other small buildings 1-31680
- Hendricks, B.** *see* Harms, E. 1-43066
- Hendricks, C.J.** Cathode plate for backside oxide strip in an RIE reactor 1-50882
- Hendricks, L.J., Zobrist, S.P.** Measurement of the radial temperature distribution of the heated spot produced by a focused laser beam using an optical pyrometer 1-37194
- Hendricks, R.K.** *see* Hobbs, R.W. 1-48824
- Hendrickson, T.E.** *see* Hartman, M.D. 1-40724
- Hendrickx, M.** *see* Maggetto, G. 1-49899
- Hendriksen, N.** Thedin *see* Thedin Hendriksen, N.
- Hendry, A., Antar, Y.M.M., Schleske, J.J., Olsen, R.L.** Melting layer attenuation at 28.56 GHz from simultaneous COMSTAR beacon and 16.5 GHz polarization-diversity radar observations 1-46901
- Hendry, A., McCormick, G.C., Antar, Y.M.M.** Differential propagation constants on slant paths through snow and ice crystals as measured by 16.5 GHz polarization-diversity radar 1-28901
- Hendry, G.O.** *see* Hilton, J.L. 1-38524
- Heng, G.** *see* Letournel, M. 1-42842
- Heng, G.** *see* Oberlin, J.C. 1-42841
- Heng, Y.-C., Macario, R.C.V.** Which way HF broadcast receivers? 1-42406
- Heng Li Kuo** *see* Fu Kian Ku 1-45547
- Heng Tan Chee** *see* Tan Chee Heng
- Heng-Cheng Lin** Weight dynamic range in power suppression adaptive arrays 1-51737
- Hengehold, R.L.** *see* Pomrenke, G.S. 1-37020
- Henisch, H.K.** *see* Moreau, Y. 1-46623
- Henisch, H.K.** *see* Rahimi, S. 1-40450
- Henke, H.** *see* Brown, P. 1-43051
- Henkel, H.J., Kalkner, W., Muller, N.** 'Electrochemical treeing' structures in model cable insulations of thermoplastic or cross linked polyethylene 1-53123
- Henle, M., Krone, A., Schrader, H.** Precise signal generators for manual and remotely controlled processing 1-38213
- Henley, E.J.** *see* Kumamoto, H. 1-39443
- Henley, E.J.** *see* Ogunbiyi, E.I. 1-35675
- Henley, W.F., Toney, J.** Electronic test equipment for the 80s 1-31631
- Henley, W.F.** *see* Webster, J.L. 1-31622
- Henmi, Z.** *see* Sagawa, M. 1-45131
- Henmi, Z.** *see* Sato, T. 1-32483
- Henn, M.** *see* Zechnall, M. 1-39194
- Hennau, F., Ceuterick, F.** Simple interface for a transient recorder 1-38234
- Hennawy, H.E.L., Schunemann, K.** Sensitivity analysis of the fin line housing 1-37335
- Hennawy, H.E.L., Schunemann, K.** Computer-aided design of semiconductor mounts in fin-line technology 1-45628
- Henne, C.A., Harlow, P.J.** Test requirements document (TRD) a tool for TPS design 1-35630
- Henne, M.** *see* Bajus, P. 1-33857
- Henne, R., von Bradke, M., Weber, W.** Progress in the development of small flame heated thermionic energy converters 1-31479
- Hennebach, R., Kronfeld, G.** Application of the deflection unit in screen devices 1-47938
- Hennecke, D.** *see* Bruckner, H. 1-49841
- Hennel, J., Kaczmarczyk, J.** Present state and development prospects of flat screens for information display 1-42679
- Hennen, H.A., Mulford, K.** Land mobile voice privacy communications 1-29659
- Henneuse, P.** *see* Gillyool, D.L. 1-27531
- Hennies, H.H., Hosemann, J.P., Mayinger, F.** Development and consequences of a PWR core meltdown accident 1-43859
- Hennig, G.** Quantitative flow measurements using heated wire transducers 1-42773
- Hennings, H.H., Marth, W., Hochel, J., Mausbach, H., Stoll, W.** Status and perspectives of German breeder development 1-43858
- Henning, C.D.** Reliability of large superconducting magnets through design 1-28378
- Henning, I.D., Thomas, H.** Minority carrier traps in epitaxial gallium arsenide phosphide 1-36478
- Henning, L.R., Hicks, R.L., Iverson, J.H., Styczinski, D.A.** Four-phase decoder for data/clock separator 1-50504
- Henning, S., Jarlskog, G., Mjornmark, U., Nilsson, A., Svensson, L.** An aerogel Cerenkov counter for the AFS experiment 1-43244
- Henning, S., Svensson, L.** Production of silica aerogel 1-43243
- Henning, S.** *see* Cockerill, D. 1-43233
- Henning, W., Borchke, U.V.** Microelectronic position sensors 1-30109
- Henning, W., Kutschera, W., Paul, M., Smith, R.K., Stephenson, E.J., Yntema, J.L.** Accelerator mass spectrometry and radioisotope detection at the Argonne FN tandem facility 1-42856
- Henning, W.** *see* Yntema, J.L. 1-43135
- Henninger, R.** Functional testing of imbedded memory 1-52380
- Henninger, W.** The refuse incineration plant Ulu Pandan in Singapore 1-38884
- Henny, L.** *see* Boillot, J. 1-42937
- Henoc, J.** *see* Akamatsu, B. 1-36479
- Henoc, P.** *see* Akamatsu, B. 1-36479
- Henoc, P.** *see* Auvert, G. 1-32050
- Henoc, P.** *see* Duhamel, N. 1-50275
- Henrichsen, K.N.** *see* Billan, J. 1-48530
- Henriot, M.P., May, M.** Image deblurring methods using the Weigert effect 1-41793
- Henry, C.H., Logan, R.A., Bertness, K.A.** Measurement of spectrum, bias dependence, and intensity of spontaneous emission in GaAs lasers 1-51465
- Henry, C.H., Logan, R.A., Bertness, K.A.** Spectral dependence of the change in refractive index due to carrier injection in GaAs lasers 1-51466
- Henry, C.H., Logan, R.A., Merritt, F.R.** Pulsations in Al<sub>0.5</sub>Ga<sub>0.5</sub>As buried heterostructure lasers caused by the heating of defects 1-46738
- Henry, D.** *see* Pomathiod, L. 1-38404
- Henry, E.A.** *see* Lin, J. 1-38414
- Henry, F., Berteaud, A.J.** New measurement technique for the dielectric study of solutions and suspensions 1-48205
- Henry, J.** *see* Hammond, R. 1-50272
- Henry, M.G.** *see* McGrath, M.F. 1-44752
- Henry, P.S.** Fast decryption algorithm for the knapsack cryptographic system 1-47110
- Henry, R.L.** *see* Bishop, S.G. 1-28567
- Henry, R.W., Prober, D.E.** Electronic analogs of double-junction and single-junction SQUIDS 1-40868
- Henry, W.N.** *see* Jastrzebski, L. 1-38133
- Henry, X.** *see* Boidin, M. 1-35524
- Henry, Y., Moulin, M., Laugier, A.** Thickness dependence of lattice parameter and band gap in Ga<sub>1-x</sub>In<sub>x</sub>As<sub>1-y</sub>P<sub>y</sub>/InP heterostructures 1-27121
- Hensel, P.** *see* Healey, P. 1-28503
- Hensel, W., Lehmann, M.** ASCII/Baudot code converter for video interface 1-33484
- Henselmann, G.M.** A data base system for several computers 1-47378
- Henshaw, D.L., Griffiths, N., Landen, U.A.L., Benton, E.V.** A method of producing thin CR-29 plastic nuclear track detectors and their application in nuclear science and technology 1-30360
- Hentschel, F., Putz, U.** Rotary current motors for industry and traffic 1-38957
- Hentschel, H.-J., Klein, E.** Reduced installation capacity and better lighting with new lighting fittings and auxiliaries 1-35489
- Hentschel, L.** *see* Vahsholz, S. 1-31280
- Henwood, A.** *see* Barratt, P.J.S.B. 1-43124
- Heon Hwang In** *see* In Heon Hwang
- Hepburn, J.D., Shubaly, M.R., Ungrin, J.** Spark-resistant design for high-voltage high-current accelerating columns 1-38351
- Heppe, R.H.** *see* Sverak, J.G. 1-38797
- Heppelman, S.** *see* Jonckheere, A. 1-30300
- Herald, R.F., Quinlan, W.P.** Zone recording flexible diskette drive via microprocessor control 1-46408
- Herapath, R.G., Manser, M.J., Diamant, Y.Y.** Hydro-electric power generation from the Llyn Brianne water supply system 1-53303
- Herapath, R.G., Shi, F.K.C.** Dynamics and control of an experimental 5 m diameter variable pitch-wind powered generator 1-49388
- Herb, G.K.** *see* Huttemann, R.D. 1-46291
- Herbelin, J.M., Klingberg, R., Spencer, D.J., Kwok, M.A., Bixler, H., Ueunten, R., Cook, R., Hansen, W.** A flash photolysis bismuth atom laser 1-28637
- Herben, M.H.A.J.** *see* van de Sande, J.H.A.W. 1-41362
- Herberts, P.** *see* Almstrom, C. 1-52809
- Herbig, A.** *see* Huang, C. 1-46176
- Herbschleb, J.N., Heethaar, R.M., van der Tweel, I., Meijler, F.L.** Frequency analysis of the ECG before and during ventricular fibrillation 1-48737
- Herbst, D., Fettweis, A., Hoefflinger, B., Kleine, U., Nientiedt, W., Pandel, J., Schweer, R.** An integrated seventh-order unit element filter in VIS-SC technique 1-40099
- Herbst, D.** *see* Hosticka, B.J. 1-32191
- Herbst, D.** *see* Kleine, U. 1-50393
- Herbst, D.** *see* Pandel, J. 1-45457
- Herbst, D.** *see* Schweer, R. 1-42526
- Herbst, L., Hinz, W.** Power station monitoring 1-30846
- Herbst, N.M.** *see* Casey, R.G. 1-47426
- Herbst, O.** *see* Hablutzel, R. 1-49153
- Herdegen, H., Fechner, W., Nikoloff, I.** The new electric multiple class 270 for Berlin's S-Bahn 1-39161
- Herdzik, R.** *see* Antonucci, R.F. 1-35648
- Herdzik, R.J., Sarkary, H.G., Totta, P.A.** Ion milling technique to reflow solder pads 1-44691
- Herdzik, R.J., Sarkary, H.G., Totta, P.A.** Ion milling to remove halo 1-44692
- Herdzik, R.J.** *see* Barton, P.J. 1-46039
- Herfen, O.** *see* Gartner, E. 1-44427
- Herfurth, M.** Control circuits for SIPMOS transistors 1-45261
- Herget, C.** *see* Buhler, H.-E. 1-28219
- Heribanova, V.** Composite materials with a glass component and their electrical properties 1-27168
- Hering, F.** Block designs with cyclic block structure 1-27017
- Herion, G.** *see* Ponghis, N. 1-49829
- Heritage, J.P., Isaacs, E.D.** Subpicosecond pulse generation in a synchronously mode-locked bidirectional ring laser 1-51494
- Herko, S.P.** *see* Fitzpatrick, B.J. 1-32058
- Herko, S.P.** *see* Werkhoven, C. 1-32056
- Herlem, M.** *see* van Amerongen, G. 1-44317
- Herlemont, F.** *see* Lyszyk, M. 1-33243
- Herlestam, T., Johannesson, R.** On computing logarithms over GF(2<sup>n</sup>) or an attempt to swindle Mitre Corporation 1-33512
- Herling, J.** *see* Noonen, J.G. 1-48206
- Herman, A.** *see* Frankel, R. 1-42804
- Herman, A.** *see* Glaser, P. 1-39811
- Herman, D.A., Jr.** *see* Deluca, J.C. 1-36812
- Herman, M.** Video display terminal with 26 chips 1-47934
- Herman, M.** MOS/LSI technologies for an intelligent video terminal 1-51010
- Herman, M.** Material income and pre-service inspections of V-1 Jaslovské Bohunice NPP chosen equipment 1-53186
- Herman, M.A.** Coherence of the radiation emitted by semiconductor lasers 1-51478
- Herman, M.A. (editor)** Semiconductor optoelectronics 1-49867
- Herman, P.** *see* Warner, F.L. 1-42722
- Herman, S.** The simulation and optimization of film resistor trim patterns [hybrid IC technology] 1-45831
- Hermann, C., Pearsall, T.P.** Optical pumping and the valence-band light-hole effective mass in Ga<sub>1-x</sub>In<sub>x</sub>As<sub>1-y</sub>P<sub>y</sub> (y ≈ 2.2x) 1-37099
- Hermann, H.P.** Reports on energy economy and cartel laws comments on the third volume of the treatise on German and European economy legislation by Prof. Dr. Bodo Bornert 1-26829

- Hermann, J.P., Herriau, J.P., Huignard, J.P. Nanosecond four-wave mixing and holography in BSO crystals 1-46782
- Hermann, K. *see* Bernardo, E.T. 1-32507
- Hermann, L., Werrmann, G. KRS- and ESER-technique for the testing of digital circuits 1-47888
- Hermanspann, F., Probst, H. Power supply units for public and private telephone switching systems 1-39917
- Hermansson, U., Holdhus, O. Steadily improving reliability of the power supply. I 1-34749
- Hermes, G.L. *see* Murray, J.E. 1-28679
- Hermeyer, B., Richter, D. Electrotechnology in X-ray diagnosis 1-38489
- Hermosa, A. Special effects in electronic organs: vibrato and tremolo 1-34129
- Hermosa, A. Especial effects in electronic organs. II. Sustain and percussion 1-34130
- Hernandez, A. *see* Martin, E. 1-48228
- Hernandez, A.A. Effects of pulse interference on FDM/FM multichannel telephony transmissions of the fixed satellite service 1-41259
- Hernandez, R. *see* Bescos, J. 1-41807
- Hernanz Acena, J.A. A simple saw tooth generator 1-50454
- Herdon, M. *see* Bettis, J.R. 1-51496
- Herdon, T. *see* Kang, S.D. 1-27472
- Hernqvist, K.G. Studies of flashovers and preventive measures for kinescope guns 1-40359
- Herok, P. *see* Froehlich, T. 1-30798
- Heron, F. *see* Mohammad-Djafari, A. 1-43341
- Heron, M.L. Recent progress in transequatorial propagation—review 1-46882
- Herouard, M. *see* Barret, J.P. 1-35151
- Herouard, M. *see* Barret, P. 1-49412
- Heroux, P. *see* Comber, M.G. 1-38783
- Heroux, P. *see* Sarma Maruvada, P. 1-30707
- Herr, H., Rubbia, C. High energy cooling of protons and antiprotons for the SPS collider 1-48528
- Herrell, D. *see* Anderson, E. 1-34712
- Herrell, D.J. Monitoring AC power distribution [for Josephson device circuits] 1-27262
- Herrell, D.J. Driver/receiver based on AND gate 1-27411
- Herrell, D.J. Testing of combinatorial networks 1-36196
- Herreman, W. *see* Dhaenens, F. 1-35574
- Herrera, J. *see* Kirk, H.G. 1-43105
- Herrera, J. *see* Willen, E. 1-43117
- Herrera, M. *see* Rahman, M.M. 1-33075
- Herriau, J.P. *see* Hermann, J.P. 1-46782
- Herrick, B.R. *see* Hanfligg, J.D. 1-51754
- Herrick, D. *see* Chekroun, C. 1-33408
- Herrick, K.C. Battery charger snaps from full to trickle 1-31315
- Herrin, J.E. The quality factor in management 1-39429
- Herrin, S.A. Maintainability applications using the matrix EMEA technique 1-44747
- Herring, G.S., Perkins, R.J., Pond, S.L. Device and method of measuring compound corona performance 1-30215
- Herring, H. *see* Levine, M. 1-31694
- Herris, J.W. *see* Speck, D.R. 1-51409
- Herrmann, E. Fuel economies in diesel shunting locomotives—effect of power transmission 1-49733
- Herrmann, K.H., Hoai, T.X. Saturated open circuit photovoltage—a new method for measuring the carrier lifetime at high excitation level 1-32675
- Herrmann, K.H. *see* Hoai, T.X. 1-33244
- Herrmannsfeldt, W. *see* Chupp, W. 1-48405
- Herrmannsfeldt, W. *see* Kells, W. 1-48527
- Herrmannsfeldt, W.B. Numerical design of electron guns and space charge limited transport systems 1-50715
- Herrmannsfeldt, W.B. *see* Close, E. 1-42984
- Herrmannsfeldt, W.B. *see* Godlove, T.F. 1-38368
- Herron, L.W., Suierveld, J., Totta, P.A. Lowered stress, crack-free electroless Ni deposits 1-27897
- Hershcovitch, A. *see* Alessi, J. 1-43177
- Hershman, A.A. Design and development consultancy services in the United Kingdom 1-39375
- Herstein, D. *see* Rosenheck, L.S. 1-46177
- Hertig, P. The strafflo-turbine 1-38924
- Hertneck, K., Kubler, K., Ponzer, F. Central power supply for telecommunication systems 1-43627
- Hertz, S.R. SRS text-to-phoneme rules: a three-level rule strategy 1-37447
- Hertzberg, A. Overview of high efficiency power cycles for fusion 1-30941
- Herz, W. *see* Bauer, W. 1-43110
- Herzger, M. *see* Dubrau, H.-J. 1-52349
- Herzog, D. *see* Teichholz, L. 1-48730
- Herzog, D.G. Decryption of a dry film tactical laser beam recorder 1-42542
- Herzog, G.W. *see* Fruhwirth, O. 1-28558
- Herzog, H.J. *see* Konig, U. 1-35949
- Herzog, J. Monolithically integrated circuits on gallium, arsenide basis. II 1-28114
- Herzog, J. Monolithically integrated circuits on gallium arsenide substrates. III 1-32860
- Herzog, R. *see* Dyachkov, E.I. 1-28277
- Herzog, W. The transformation of filters. I 1-40091
- Herzog, W. The conversion of filters. II. Simplified formulae for frequency transformation 1-45447
- Herzog, W., Leilich, C.M. The cubical frequency transformation. II 1-32329
- Heslop, C.J. Plasma etching [VLSI processing] 1-27960
- Hesmondhalgh, D.E., Tipping, D. Translational forces on discrete metallic objects in travelling magnetic fields 1-33314
- Hess, D.W. Plasma etching of aluminum 1-40522
- Hess, D.W., Tavormina, J.J. Verification testing of a spherical near-field algorithm and comparison to compact range measurements 1-51695
- Hess, D.W. *see* Szeto, R. 1-32718, 1-36697
- Hess, H. Timber drying with heat-pump heat. An alternative to air drying 1-44487
- Hess, H. Electronic colour carrier trap for cross-colour reduction [TV] 1-47796
- Hess, K. Ballistic electron transport in semiconductors 1-40372
- Hess, K. *see* Dapkus, P.D. 1-33219
- Hess, K. *see* Drummond, T.J. 1-45973
- Hess, K. *see* Kafka, H.J. 1-40542
- Hess, K. *see* Laidig, W.D. 1-46753
- Hess, K. *see* Shichijo, H. 1-32641
- Hess, K. *see* Vojak, B.A. 1-37143
- Hess, K.G. *see* Schweer, R. 1-42526
- Hess, L.D. *see* Olson, G.L. 1-27111
- Hess, L.M. *see* Timoc, C.C. 1-36230
- Hess, R. *see* Besset, D. 1-42776
- Hess, R.M. *see* Burley, N.A. 1-30076
- Hesse, J. *see* Demianets, L.N. 1-31777
- Hesse, J. *see* Maier, H. 1-32657
- Hessel, A. *see* Liu, C.C. 1-51743
- Hessenmuller, H. On the digital transmission of sound signals in the communication networks of the future 1-42377
- Hesser, J.E., Harris, G.L.H. Faint-object, absorption-line spectroscopy with the improved CTIO SIT vidicon 1-40360
- Hessing, A.R. *see* Rino, C.L. 1-33353
- Hestenes, J.D. *see* Rooney, J.A. 1-52762
- Hester, C.F. Optical joint transform image correlation system 1-30016
- Hester, R.E. *see* Briggs, R.J. 1-48400
- Hester, R.E. *see* Fessenden, T.J. 1-48557
- Heszberger, A. *see* Simonyi, E. 1-45555
- Hetenyi, L. Radiolocalization. IV 1-29782
- Hetenyi, T. Hungarian participation in the development of the Intercoms satellite data acquisition system and of the microprocessor based control unit of this system 1-37871
- Hetrick, R.E., Fate, W.A., Vassell, W.C. Oxygen sensing by electrochemical pumping 1-30069
- Hetrick, R.E., Hohnke, D.K., Logothetis, E.M. Exhaust gas oxygen sensors 1-34241
- Hetthessy, J. *see* Kovacs, K. 1-43587
- Hetzler, H. Economical testing methods for electronic modules 1-31870
- Heuberger, W. *see* Broom, R.F. 1-51107
- Heuck, N. *see* Jensch, P. 1-48696
- Heukemes, N. *see* Strodio, J.-J. 1-44962
- Heunis, A.J. *see* Mayne, D.Q. 1-35880
- Heurtin, J. *see* Poiroux, R. 1-44482
- Heusala, H. *see* Myllyla, R. 1-34424
- Heusse, P. *see* Arnault, C. 1-43246
- Heutenik, B. *see* Noomen, J.G. 1-48206
- Heuvel, W.M.E. *van den* *see* van den Heuvel, W.M.E.
- Heuven, J.H.C. *van* *see* van Heuven, J.H.C.
- Hewig, G.H. *see* Jain, K. 1-28778, 1-51515
- Hewish, M. Satellite television improves the view 1-34032
- Hewitt, M.J., Morse, A.L. Experimental investigation of noise sources in a charge-coupled device monolithic focal plane array (MFPA) readout 1-47983
- Hey, P., Raouf, N., Booth, D.C., Seraphin, B.O. Properties of amorphous silicon prepared at different temperatures by pyrolytic decomposition of silane 1-45898
- Hey, R.M. *van der* *see* van der Hey, R.M.
- Heyda, P.G., Thackray, G.J. Computer evaluation of electric railway catenary equipment by the method of normal modes 1-44435
- Heyde, C.C. On the survival of a gene represented in a founder population 1-50153
- Heydemann, M.H. *see* Durbin, F. 1-50363
- Heydt, G. *see* Albrecht, W. 1-52106
- Heydt, G. *see* Baack, C. 1-47809
- Heydt, G.T. *see* Viviani, G.L. 1-43553
- Heyen, M., Balk, P. Vapor phase etching of GaAs in a chlorine system 1-40518
- Heyen, M. *see* Bachem, K.H. 1-50298
- Heyen, M. *see* Jurgensen, H. 1-50297
- Heyes, R.L. *see* Hamilton, C.B. 1-36294
- Heyman, J.S. *see* Cantrell, J.H., Jr. 1-38632
- Heyman, J.S. *see* Chern, E.J. 1-38622
- Heyman, J.S. *see* Chern, L.J. 1-52609
- Heymann, E. New mounting technologies in the manufacture of hybrid circuits 1-50708
- Heymans, P. *see* Baribaud, G. 1-42934, 1-42939
- Heymans, P. *see* Battisti, S. 1-42801
- Heymans, P. *see* Boillot, J. 1-42921
- Heynen, J.P.H. *see* Robertson, J.M. 1-33131, 1-33132
- Heynen, V. *see* Hochweller, G. 1-42974
- Heynisch, H. Wideband traveling wave tube amplifiers for modern radio link systems 1-40357
- Heywang, W. *see* Spence, E. 1-27791, 1-32618
- Hezel, R. Silicon nitride for the improvement of silicon inversion layer solar cells 1-49697
- Hezel, R., Schorner, R. Plasma Si nitride—a promising dielectric to achieve high-quality silicon MIS/IL solar cells 1-49687
- Hibbard, J.N., Dee, P.K. TASI systems in OTC's international network 1-42149
- Hibbitts, D.G. *see* Chu, W.W. 1-33796
- Hibbs, S. *see* Reginato, L.L. 1-32627
- Hibey, J.L. Expectation of a multiplicative functional of a linear Itô process 1-31955
- Hibino, M., Kuzuya, M., Maruse, S. Correction of the spherical aberration of the objective lens in a conventional transmission electron microscope by means of a foil lens 1-32595
- Hibino, M. *see* Matsushima, T. 1-36267
- Hibino, M. *see* Morimoto, M. 1-36783
- Hibiya, T. *see* Konishi, S. 1-36811
- Hickernell, F.S. ZnO processing for bulk- and surface-wave devices 1-40747
- Hickernell, F.S., Adamo, M.D., De Long, R.V., Hinsdale, J.G., Bush, H.J. SAW programmable matched filter signal processor 1-46371
- Hickernell, F.S. *see* Allen, D.E. 1-46377
- Hickernell, F.S. *see* Subhadra Dutta 1-51159
- Hickman, I. PW Morse tutor 1-29608
- Hickman, I. Battery-powered instruments 1-31394
- Hickman, I. VHF pre-amplifier for band II 1-45303
- Hickman, T.R. *see* Jarzynski, J. 1-43446
- Hickman, T.R. *see* Lagakos, N. 1-51189
- Hickmott, T.W., Isaac, R.D. Barrier heights at the polycrystalline silicon-SiO<sub>2</sub> interface 1-46009
- Hicks, B.L., Braid, L.D., Durlach, N.I. Pitch invariant frequency lowering with nonuniform spectral compression 1-37452
- Hicks, D.S., Patel, D.C. Performance of thinned antenna arrays 1-47047
- Hicks, G.G. *see* David, D. 1-48319
- Hicks, G.P., Banfield, K.E. The development of a lightweight, modular, sinewave inverter system eliminating common control and low frequency transformation 1-44229
- Hicks, J.W. *see* Rowe, E.M. 1-48555
- Hicks, R.G., Khan, P.J. Analysis of balanced subharmonically pumped mixers with unsymmetrical diodes 1-45699
- Hicks, R.L. *see* Henning, L.R. 1-50504
- Hicks, W.W., Hoffman, J.E., McKenna, C.M., Winnard, J.R. Alpha probe for memory chip testing 1-28057
- Hicks, W.W., McKenna, C.M. SiO<sub>2</sub> encapsulation of radioisotope sources 1-44705
- Hickson, J.B., Jr. *see* Carpenter, L.C. 1-46279
- Hida, H. *see* Shirafuji, J. 1-40869
- Hidaka, M. *see* Aomine, T. 1-46472
- Hidaka, N. *see* Yamamura, S. 1-45661
- Hidaka, T., Morikawa, T., Shimada, J. Hollow-core oxide-glass cladding optical fibers for middle-infrared region 1-51173
- Hidaka, Y., Matsutera, H. Charged wall formation mechanism in ion-implanted contiguous disk bubble devices 1-51094
- Hiddleston, H.R., Segall, S.B. Prescription for a gain-enhanced free electron laser with an electromagnetic pump field 1-46662
- Hiddleston, H.R., Segall, S.B. Equations of motion for a free-electron laser with an electromagnetic pump field and an axial electrostatic field 1-51315
- Hieber, G. *see* Duren, C. 1-44557
- Hiebert, J.C. *see* Hollas, C.L. 1-43199
- Hiebert, J.C. *see* Martin, S.D., Jr. 1-48599
- Hiebert, R.D., Wolf, M.A. Trends in instrumentation for environmental radiation measurements at Los Alamos Scientific Laboratory 1-34425
- Hien Nguyen, V. *see* Strodio, J.-J. 1-44962
- Hienholzer, E. The display-stereocomparator, a new device for biostereometric measurements 1-38497
- Hierl, T. *see* Kondoh, H. 1-45672
- Hiesinger, P. *see* Koschel, W.H. 1-45084
- Hietbrink, G. Energy saving and illumination; theory and practice 1-49781
- Higaki, Y. *see* Aiga, M. 1-46157
- Higashi, T. *see* Kojima, N. 1-42145
- Higashi, T. *see* Yamamoto, Y. 1-52038
- Higashide, M. *see* Abe, N. 1-33689
- Higashino, T. *see* Mori, M. 1-33844
- Higashisaka, A. Experimental investigation of dependence of GaAs power MESFET performance on device parameters 1-32839
- Higashisaka, A. *see* Katano, F. 1-28104
- Higashisaka, A. *see* Yamamoto, R. 1-32256
- Higashiura, M. *see* Udagawa, T. 1-27818
- Higashiyama, K. *see* Kumaki, S. 1-34133
- Higgins, A. *see* Viswanathan, R. 1-41558
- Higgins, E.F., Wells, F.D. A beam position monitor system for the proton storage ring at LAMPF 1-42952
- Higgins, E.F. *see* Lawrence, G.P. 1-42870
- Higgins, E.F., Jr., Moore, C. Longitudinal beam signal processing for the Fermilab beam quality monitor 1-42933

- Higgins, H.** The rediscovery of HF for command and control [military communications] 1-52052
- Higgins, J.F.** Dublin suburban electrification will match population growth 1-49757
- Higgins, N.A.** *see* Hoffman, K.F. 1-48989
- Higgins, R.C.** Performance degradation in a quadrature receiver for CW signals corrupted by multipath 1-29169
- Higgins, R.J.** *see* Matheson, T.G. 1-28028
- Higgins, R.L.,** Erisman, L.R. Development of thionyl chloride batteries of missile applications 1-30526
- Higgins, R.S.** Federal support of technological growth in industry: some evidence of crowding out 1-49911
- Higgins, S.B.,** Woyce, G.M., Roden, D.M., Harris, T.R., Oates, J.A., Woosley, R.L. An arrhythmia analysis system with patient-by-patient validation 1-48736
- High, M.** TVA research on energy technologies 1-49218
- Highfill, J.H.** *see* Wilson, S.G. 1-37429
- Highfill, R.** *see* Hoffman, E.J. 1-34578
- Hightower, D.,** Roberts, M. Automated logic arrays and the customer interface 1-32298
- Higo, Y.,** Shimodaira, M. Fiber-optic line terminating equipment and transmission line repeaters 1-37907
- Higo, Y.** *see* Nakagawa, K. 1-29775
- Higuchi, H.** *see* Mizuo, S. 1-32614, 1-32615
- Higuchi, H.** *see* Oomura, E. 1-37110, 1-41111
- Higuchi, H.** *see* Takaki, Y. 1-32767
- Higuchi, K.** *see* Nozaki, T. 1-46159
- Higuchi, M.** *see* Igarashi, H. 1-40746
- Higuchi, M.** *see* Oguchi, T. 1-30023
- Higuchi, N.** *see* Itoh, N. 1-34890
- Higuchi, S.** Extraction of line patterns in noisy pictures 1-51865
- Higuchi, S.,** Sampei, T. Auto bias and equalizer optimizer for a cassette tape deck 1-52312
- Higuchi, T.** *see* Tadokoro, Y. 1-34186, 1-37617
- Hikino, K.** *see* Shinoda, S. 1-30748, 1-34881
- Hikita, M.,** Kinoshita, Y., Kojima, H., Tabuchi, T. Phase weighting for low loss SAW filters 1-36785
- Hikita, M.,** Yoshikiyo, H. Long term high-vacuum maintenance in the cryogenic envelope for superconducting telecommunication cables 1-29585
- Hikosaka, K.** *see* Mimura, T. 1-40597, 1-50511
- Hilaire, A.** *see* Faugeras, P.E. 1-48460
- Hilaire, A.** *see* Faugier, A. 1-48459
- Hilal, M.A.,** Willig, R.L., Thome, R.J. Persistent normal regions in large conductors 1-33011
- Hilal, S.K.** *see* Cho, Z.H. 1-34577
- Hilal, S.K.** *see* Kim, H.S. 1-34583
- Hilberg, W.** Time invariant learning curves in microelectronics 1-36648
- Hilbig, R.,** Wallenstein, R. Enhanced production of tunable VUV radiation by phase-matched frequency tripling in krypton and xenon 1-51514
- Hildebrand, B.P.,** Harrington, T.P. Mapping of materials stress with ultrasonic tomography 1-32111
- Hildebrand, O.** *see* Benz, K.W. 1-50300
- Hildebrand, P.B.** *see* Quinn, J.R. 1-38634
- Hildebrandt, E.** Remote control set S 2742/43 1-37717
- Hildenbrand, D.L.** Thermochemistry 1-48659
- Hildenbrand, W.W.** *see* Bogardus, E.H. 1-46843
- Hilderbrand, H.H.** High efficiency laser 1-51381
- Hildreth, N.** An update on irradiation of wire and cable 1-36372
- Hileman, A.R.** Insulation coordination of air-insulated stations 1-31305
- Hilgertner, A.** Photoconducting leads [glass fibre waveguides] 1-36885
- Hilke, H.J.** *see* Cockerill, D. 1-43233
- Hill, A.** SBS—a bit of blue sky becomes reality [satellite communications] 1-47595
- Hill, A.M.** *see* Brace, D.J. 1-42279
- Hill, B.** Fluorescent lighting is still pre-eminent 1-39201
- Hill, B.M.E.** *see* Altmann, W. 1-42140
- Hill, C.** Beam annealing [semiconductor processing] 1-27917
- Hill, C.E.** *see* Boutheton, M. 1-42890
- Hill, C.W.** Master substrate optimization [thick-film circuits] 1-45813
- Hill, D.A.,** Wait, J.R. Leaky coaxial cables in mine communications 1-29597
- Hill, D.A.,** Wait, J.R. HF ground wave propagation over sea ice for a spherical Earth model 1-41234
- Hill, D.R.** New technique to improve antenna measurements in the presence of site reflections 1-28993
- Hill, E.F.** *see* Gooi, H.B. 1-49261
- Hill, E.F.** *see* Lee, T.H. 1-34832
- Hill, E.F.** *see* Phi, D.T. 1-43988
- Hill, F.J.** *see* Wacks, K.P. 1-36666
- Hill, G.E.,** Woffinden, D.S. A balloonborne instrument for the measurement of vertical profiles of supercooled liquid water concentration 1-34715
- Hill, G.W.** Evaluation and inversion of the ratios of modified Bessel functions,  $I_1(X)/I_0(X)$  and  $I_{1.5}(X)/I_{0.5}(X)$  1-39661
- Hill, J.** Benefits from joint activities in nuclear fuel services 1-43871
- Hill, J.C.** Vehicle emissions measurements with infrared diode lasers 1-34225
- Hill, J.H.** *see* Ormrod, J.H. 1-42859
- Hill, J.J.** Interpolator uses a multiplying D/A converter 1-32388
- Hill, J.J.,** Alderson, W.E. Design of a microprocessor-based digital wattmeter 1-47890
- Hill, J.M.** *see* Pickett, D.F. 1-31435
- Hill, J.V.** *see* Miller, J.L. 1-51389
- Hill, K.O.,** Johnson, D.C., Kawasaki, B.S. Efficient conversion of light over a wide spectral range by four-photon mixing in a multimode graded-index fiber 1-28765
- Hill, K.O.** *see* Johnson, D.C. 1-28459
- Hill, K.O.** *see* Kawasaki, B.S. 1-36867, 1-51186
- Hill, K.O.** *see* Tremblay, Y. 1-36864
- Hill, M.W.** *see* Ames, J.R.W. 1-33888
- Hill, O.F.** *see* Powell, M.J. 1-40578
- Hill, P.** Magnetic tape sequencer 1-42462
- Hill, R.,** El-Dardiry, S.M.A. Variables in the use and design of acoustic emission transducers 1-30578
- Hill, R.** *see* Coutts, T.J. 1-49707
- Hill, R.** *see* Pearsall, N.M. 1-50329
- Hill, R.B.** Materials of construction in the electricity supply industry 1-48937
- Hill, R.E.** *see* Hagermann, D.C. 1-48347
- Hill, R.H.** *see* Bahrmann, M.P. 1-43646
- Hill, R.J.,** Clifford, S.F. Contribution of water vapor monomer resonances to fluctuations of refraction and absorption for submillimeter through centimeter wavelengths 1-28916
- Hill, T.J.** *see* Allwood, A.R. 1-39395
- Hille, P.** Tantalum dry and aluminium wet electrolytic capacitors compared 1-40245
- Hille, P.** *see* Derndorfer, C. 1-52680
- Hillebrand, F.** *see* Bohm, J. 1-47297
- Hillebrand, F.H.** *see* Bohm, J. 1-47434
- Hillen, M.W.,** Hemmes, D.G. The influence of mobile ions on the Si/SiO<sub>2</sub> interface traps 1-40471
- Hillenbrand, B.** *see* Krause, N. 1-28410
- Hiller, E.R.** Pulse doppler map matching 1-47752
- Hiller, H.** An open-air monofil Van de Graaf generator according to E. Bailitis supplying high current. I 1-51572
- Hiller, K.** *see* Bodechtel, J. 1-30540
- Hillier, W.E.,** Meadows, W.S. A decade of PCB design experience 1-36400
- Hillis, M.R.** Electrolytic regeneration of etching solutions [PCB manufacture] 1-27700
- Hillman, B.D.,** Jull, G.W., Akgun, M.B. Historical analogy applied to forecasting the growth of telidon 1-33784
- Hillmann, H.** Large scale fabrication of superconductors 1-51113
- Hills, A.** The new ASCE and the junction network 1-47334
- Hills, A.,** Morgan, M.G. Telecommunications in Alaskan villages 1-37882
- Hills, D.A.,** Harvey, E.D., Fisher, W.F.C. A data multiplexer for a microcomputer 1-42023
- Hills, D.S.** Modern trends in cathode ray tubes 1-32576
- Hills, M.T.L.** *see* Lovitt, G.J. 1-42103
- Hilsenrath, M.** *see* Otto, R.G. 1-41693
- Hilsom, C.** Recent progress on solid state displays 1-38250
- Hilsom, C.** *see* Alder, C.J. 1-52524
- Hilton, J.L.,** Hendry, G.O. On achieving a clinically useful D-T neutron isocentric therapy system 1-38524
- Hisizu, K.** *see* Sakai, S. 1-52409
- Himmelblau, D.M.** Practical experiences in solving nonlinear regression problems via nonlinear programming 1-35863
- Himsi, F.A.** Microcomputer-aided power design for CATV amplifiers 1-52250
- Hinamoto, T.** On the partial realization from two-dimensional input-output map 1-32127
- Hinamoto, T.,** Fairman, F.W. Separable-denominator state-space realization of two-dimensional filters using a canonic form 1-47183
- Hinata, T.,** Nakazawa, O., Hosono, T. On the approximate synthesis of positive real functions by Hosono's conjecture method 1-39848
- Hincks, E.P.** *see* Hargrove, C.K. 1-43237
- Hincu, I.** *see* Maftai, M. 1-49252
- Hinder, A.B.** Market opportunities for coatings on float glass 1-27184
- Hinderer, G.** *see* Daniel, H. 1-42899
- Hindin, H.J.** Controlling the electronic office: PBXs make their move 1-29517
- Hindin, H.J.** PBXs gear up for digital traffic 1-47474
- Hindin, H.J.** Controlling data communications: statistical multicompexers move in 1-51999
- Hindle, P.H.** *see* Edgar, R.F. 1-52488
- Hindle, R.A.,** Pribis, P.B. The commercial application of an OTEC jacket (tower) design 1-31116
- Hine, D.,** Burbridge, L. Computer aided design techniques for digital position transducers 1-48071
- Hine, M.G.N.** Satellite data transmission in high energy physics 1-37736
- Hine, S.** *see* Fukushima, M. 1-43362
- Hines, D.C.** *see* Wald, L.H. 1-41687
- Hines, J.** *see* Rainbolt, S.M. 1-41712
- Hines, M.E.** Inherent signal losses in resistive-diode mixers 1-27614
- Hines, O.T.** 14.5-14.8 GHz frequency sharing by data relay satellite uplinks and broadcasting-satellite uplinks 1-47584
- Hines, R.E.,** Schroeder, R.D. Component verification system 1-45828
- Hing, C.R.** *see* Mitchell, R.M. 1-49927
- Hingorani, G.D.** Digital replacement of the ACE HIGH transmission system 1-29577
- Hingorani, N.G.** A new scheme for subsynchronous resonance damping of torsional oscillations and transient torque. I 1-38721
- Hingorani, N.G.** A new scheme for subsynchronous resonance damping of torsional oscillations and transient torque. I 1-38784
- Hingorani, R.** *see* Stark, H. 1-33686
- Hingornai, N.G.** *see* Hedin, R.A. 1-38722, 1-38785
- Hinich, M.J.,** Bloom, M.C. Statistical approach to passive target tracking 1-29170
- Hinkel, H.,** Kempf, J., Makosch, G., Wagner, H. Temperature-measuring probe 1-52597
- Hinkle, C.** Concrete poles are economic choice in substation structure 1-34925
- Hinkson, J.,** Behrsing, G., Hazelton, E., Hearn, W., Lancaster, H. A new, rugged, high power Cockcroft-Walton power supply 1-48357
- Hinkson, J.** *see* Magyary, S. 1-38333, 1-42922
- Hino, T.** *see* Yamashita, K. 1-50840
- Hino, Y.** *see* Nishimura, T. 1-44988
- Hinrichsen, P.F.** *see* Bavaria, G. 1-48432
- Hinsdale, J.G.** *see* Hickernell, F.S. 1-46371
- Hinsen, R.** *see* von Essen, R. 1-52787
- Hinsenkamp, A.** *see* Bohus, M. 1-42507
- Hinterberger, F.** *see* Daniel, H. 1-42899
- Hintze, M.** *see* Ackland, D.H. 1-34869
- Hinz, W.** *see* Herbst, L. 1-30846
- Hiorns, D.S.** Nuclear power station control 1-30891
- Hipps, K.W.,** Mazur, U. An inelastic electron tunneling spectroscopy study of some iron cyanide complexes 1-32790
- Hirabayashi, H.** International VLBI array—a geometrical study 1-52178
- Hirabayashi, H.** *see* Ikeda, H. 1-42966
- Hirabayashi, H.** *see* Mitsunobu, S. 1-42828
- Hirabayashi, H.** *see* Nakajima, H. 1-47754
- Hirabayashi, M.** A surface-acoustic-wave continuously-variable delay device with one dimensional and two uniform transducers 1-46366
- Hirabayashi, M.** *see* Komatsu, Y. 1-45326
- Hirabayashi, S.** *see* Sonoda, K. 1-28183
- Hirabayashi, T.,** Ikeda, T., Takahashi, M. Toshiba large capacity steam turbines 1-43949
- Hirade, K.** *see* Hata, M. 1-47565, 1-47566
- Hirade, K.** *see* Murota, K. 1-47102
- Hirahata, T.** *see* Yamashita, E. 1-40206
- Hirai, H.** *see* Hamada, H. 1-32071
- Hirai, K.** *see* Kamihashi, S. 1-27618
- Hirai, M.** A view of satellite development in Japan 1-52835
- Hirai, M.** *see* Kusaka, M. 1-50846
- Hirai, N.** *see* Kurihara, I. 1-34747
- Hirai, T.** *see* Shidara, K. 1-32571
- Hirai, Y.** *see* Yamamoto, S. 1-36427
- Hiraiwa, K.** A new parallel algorithm for the fast Fourier transform on pipeline computers with both bit vector and indirect vector facilities 1-50271
- Hirakami, M.,** Neugebauer, W. Transient network analyzer operation with digital computer control and analysis 1-38661
- Hirakata, S.** *see* Torikai, Y. 1-44103
- Hirakawa, H.** *see* Suzuki, T. 1-47054
- Hirakawa, K.** *see* Harada, K. 1-32224, 1-45318
- Hirakawa, N.** *see* Tsujide, T. 1-27473
- Hiraki, A.** *see* Ito, T. 1-46015, 1-46016
- Hiraki, A.** *see* Okuno, K. 1-27859
- Hiramatsu, H.** *see* Sato, K. 1-39345
- Hiramatsu, M.** *see* Furuta, T. 1-30608
- Hiramatsu, R.** *see* Mamon, M. 1-44239
- Hiramatsu, S.** *see* Furuya, T. 1-43101
- Hiramatsu, T.,** Takayama, S., Ishihara, T., Takeuchi, Y., Kimata, M. Energy-band bends at GaAs surfaces in vacuum-evaporated-SiO<sub>2</sub>(<sub>1-2</sub>)/n-type (100)GaAs systems detected by UPS measurements 1-27880
- Hiramoto, S.** *see* Ueguri, S. 1-44551
- Hirano, A.** *see* Majima, T. 1-46452
- Hirano, J.,** Inoue, Y. Traffic capacity of digital pair-loop network 1-42024
- Hirano, R.** *see* Oomura, E. 1-41111
- Hirano, T.** *see* Okada, M. 1-46165
- Hirao, H.** *see* Mizuishi, K. 1-37170
- Hirao, M.,** Nakamura, M. Long wavelength semiconductor lasers for optical communications 1-33240
- Hirao, S.,** Kaneda, J. 3000 V DC, 3100 kW thyristor-chopper electric locomotives for RENFE 1-53747
- Hirao, T.,** Kijima, K., Murakami, K., Sakurai, H., Akasaka, Y., Nakata, H. A high performance I<sup>2</sup>L compatible with subnanosecond ECL devices 1-45396
- Hirao, Y.** Operation of TARN 1-42894

- Hirao, Y. *see* Hattori, T. 1-48383  
Hirao, Y. *see* Noda, A. 1-43038  
Hiraoka, H. All-dry processable positive-working photoresists 1-27895  
Hiraoka, H., Pacansky, J. Sensitization of diazo-naphthoquinone-type photoresists with phenols 1-46201  
Hiraoka, H. *see* Czornyj, G. 1-50854  
Hirasawa, K., Fujimoto, K. On wire-grid method for analysis of wire antennas near/on conducting bodies [portable radio equipment] 1-41351  
Hirasawa, K. *see* Ohshita, Y. 1-35301  
Hirasawa, S., Kasahara, M., Sugiyama, Y., Namekawa, T. An improvement of error exponents at low rates for the generalized version of concatenated codes 1-41500  
Hirasawa, S. *see* Sugiyama, Y. 1-33552  
Hirata, H., Arai, M., Shigiyama, K., Ono, M. Totally automated COD measuring system 1-43455  
Hirata, K. *see* Minegishi, K. 1-40709  
Hirata, M., Suzuki, S. Threshold difference compensated sense amplifier 1-36112  
Hirata, N., Yoneda, T. Three-dimensional thermo-hydraulic analyses of coolant behavior in an LMFBF vessel 1-30939  
Hirata, T. *see* Taniguchi, T. 1-51135  
Hirata, Y. Digitalization of conventional analog filters for recording use 1-38074  
Hirata, Y. SSB-FDM using complementary comb filters 1-52000  
Hirata, Y., Ueki, M., Kasuga, T., Kitamura, T. Nonlinear distortion measurement using composite pulse waveform 1-34370  
Hirata, Y. *see* Satoh, T. 1-29703  
Hirata, Y. *see* Yasuda, Y. 1-47629, 1-51785  
Hirayama, C., Singleton, J.H., Wolfe, A.L. Emission spectra, temperature, and voltage measurements of HPS and HPM lamps at start-up 1-31642  
Hirayama, H., Yasuoka, Y. Thermally stimulated current in polyvinylidene fluoride films 1-40774  
Hirayama, H. *see* Jung, J. 1-32864  
Hirayama, M. *see* Ino, M. 1-45361  
Hirayama, M. *see* Matsumoto, H. 1-40599, 1-46141  
Hirayama, N. *see* Mizutani, H. 1-43442  
Hirayama, Y., Koshiga, F., Sugano, T. Capacitance-voltage characteristics of Al-plasma anodic Al<sub>2</sub>O<sub>3</sub>-GaAs diodes 1-50947  
Hirayama, Y. *see* Sugano, T. 1-32773  
Hirel, J.C. *see* Bostyn, R. 1-43292  
Hiresaki, Y., Sekizawa, K., Yasukochi, K. Performance of magnetic filter for HGMS 1-41200  
Hirko, R.G. *see* Ju, K. 1-51096  
Hirono, S. *see* Maeda, Y. 1-46393  
Hirooka, M. *see* Yamada, M. 1-50565  
Hiros, L. *see* Kasa, Z. 1-38474  
Hirosaki, B. An orthogonally multiplexed QAM system using the discrete Fourier transform 1-41641  
Hirosaki, B. *see* Sawai, A. 1-47514  
Hirose, H. *see* Hirose, Y. 1-32726, 1-36583  
Hirose, K., Fujii, M., Hara, T., Yokoyama, H., Matsui, T., Furusawa, H., Mohtai, T., Mizuya, Y. Development of installation techniques for a 500 kV oil-filled cable on a long-spin suspension bridge 1-34889  
Hirose, K., Fujii, M., Hara, T., Yokoyama, H., Matsui, T., Furusawa, H., Mohtai, T., Mizuya, Y. Development of installation techniques for a 500 kV oil-filled cable on a long-span suspension bridge 1-43755  
Hirose, K. *see* Doi, N. 1-37749  
Hirose, M., Hamasaki, T., Mishima, Y., Kurata, H., Osaka, Y. New insights on growth mechanism of a-Si:H from optical emission spectroscopy 1-45105  
Hirose, M. *see* Hamasaki, T. 1-39817  
Hirose, M. *see* Mishima, Y. 1-27983  
Hirose, T. *see* Takahashi, S. 1-52544  
Hirose, Y., Hirose, H., Kunioka, A. Nonvolatile memory effects of chalcogenide amorphous semiconductor doped with Ag 1-36583  
Hirose, Y., Hirose, H., Morisue, M. High speed memory behavior and reliability of amorphous As<sub>2</sub>S<sub>3</sub> film doped with Ag 1-32726  
Hirose, Y. *see* Tanaka, M. 1-34582  
Hirotaka, E. *see* Nomura, N. 1-32975  
Hirotaka, E. *see* Yanaguchi, Y. 1-32976  
Hirotaka, K. *see* Mori, S. 1-33811  
Hirotaka, O., Suematsu, Y., Kin-sing Kwok Laser diode noise due to reflection from single-mode optical fibers 1-51482  
Hirotaka, Y. *see* Odagi, K. 1-34157  
Hirsch, E.H. Comment on 'An interpretation of the magnetron problem' 1-40347  
Hirsch, N.W. Heatseekers find telco hotspots 1-42555  
Hirsch, P. The metaceptum 1-29171  
Hirschbuhl, H. *see* Dunker, P.H. 1-38680  
Hirschhorn, S.S., Hommel, M.B., Bures, C. Functional level simulation in FANSIM3—algorithms, data structures and results 1-45418  
Hirschler-Marchand, P.R., Berglund, C.D., Stevens, M.L. System design and technology development for an EHF beam-hopped satellite downlink 1-29696  
Hirschmann, D. *see* Craig, G. 1-37795  
Hirschwald, W. Properties and behaviour of the zinc oxide/electrolyte phase boundary 1-46031  
Hirshfeld, Z., Friesem, A.A., Rav-Noy, Z. Holographic recording mechanism in photoconductor-thermoplastic devices 1-37227  
Hirshfeld, E. *see* Celebrier, M. 1-47619  
Hirt, W., Pasupathy, S. Suboptimal reception of binary CPSK signals 1-37511  
Hirt, W., Pasupathy, S. Continuous phase chirp (CPC) signals for binary data communication. I. Coherent detection 1-47427  
Hirtz, J.P., Larivain, J.P., Le Guen, D., Razegui, M., Duchemin, J.P. Low pressure metallorganic growth and characterisation of Ga<sub>0.1</sub>In<sub>0.9</sub>As<sub>0.1</sub>P<sub>0.9</sub> on InP substrates 1-50294  
Hirtz, J.P. *see* Pearsall, T.P. 1-40400  
Hirtz, J.P. *see* Razeghi, M. 1-51451  
Hirtz, P. *see* de Cremoux, B. 1-50791  
Hirtz, P. *see* Razeghi, M. 1-51451, 1-51452  
Hirvensalo, J., Myllykangas, A., Rahko, K. Quality and standardization of telecommunication switching system software 1-42096  
Hirvensalo, J., Myllykangas, A., Rahko, K. Quality and standardization of telecommunication switching system software 1-52019  
Hirvonen, J. *see* Raisanen, J. 1-36463  
Hisada, S. *see* Kajitani, M. 1-37910  
Hisamoto, Y. *see* Wada, Y. 1-38362, 1-40672, 1-50980  
Hisano, K., Kawamura, T., Arie, R. Recent technology for large-scale steam turbines and generators 1-43922  
Hisano, K. *see* Matsumoto, H. 1-35051  
Hisatake, K., Jordao, J.A.R. Temporal instability of permeability in manganese zinc ferrite 1-32967  
Hiscocks, P. FM antenna system 1-51701  
Hiscocks, P. Nuts and bolts [wow and flutter meter] 1-52276  
Hiscocks, P.D. Plotting oscilloscope waveforms 1-42675  
Hishinuma, C., Kajiwaru, M., Itoh, M. MCNET—multiple communication bus network 1-51909  
Hishinuma, N. High-sensitivity ZnO-semiconductor detector for atomic hydrogen beams 1-30349  
Hiskes, J.R., Schneider, P.J. A model for H<sup>+</sup> and D<sup>+</sup> production by hydrogen backscattering 1-38398  
Hiskes, R. *see* Hanson, E.G. 1-40929  
Hissong, S.J. *see* Neebe, F.C. 1-52909  
Hitch, T.T. *see* Prabhu, A.N. 1-45817  
Hitchell, M.L. *see* Abrokawh, J.K. 1-50288  
Hitchens, W.R. *see* Maclean, D.J.H. 1-40234  
Hitchman, M.L. Heterogeneous kinetics and mass transport in chemical vapour deposition processes. I. Theoretical discussion 1-45124  
Hitchman, M.L., Curtis, B.J. Heterogeneous kinetics and mass transport in chemical vapour deposition processes. II. Application to silicon epitaxy 1-45098  
Hitchner, J.E. *see* Church, M.A. 1-28244  
Hitlin, D. A third generation detector for SPEAR 1-43231  
Hitotsuya, S. *see* Kobayashi, T. 1-27079  
Hitotumatu, S. *see* Doi, N. 1-37749  
Hittler, D.L., Boguslawski, M.A., Carrion, L.P., Frank, R.K. A microcomputer emissions control system 1-31630  
Hiyama, T. *see* Shimamoto, S. 1-28369, 1-51118  
Hiyamizu, S., Mimura, T., Fujii, T., Nanbu, K., Hashimoto, H. Extremely high mobility of two-dimensional electron gas in selectively doped GaAs/N-AlGaAs heterojunction structures grown by MBE 1-32674  
Hiyamizu, S., Nanbu, K., Mimura, T., Fujii, T., Hashimoto, H. Room-temperature mobility of two-dimensional electron gas in selectively doped GaAs/n-AlGaAs heterojunction structures 1-40443  
Hiyamizu, S. *see* Mimura, T. 1-40597, 1-50511  
Hiyamizu, S. *see* Narita, S. 1-46161, 1-46162  
Hizal, A., Aydin, K., Canatan, F. Effect of the MFIE resonance on the approximate solution of the reaction matching integral equation applied to a rotationally symmetric antenna 1-51675  
Hladky, O., Barta, S. Pressure and force sensors for forming machines and their use in operation 1-48033  
Hlavica, K. Basic principles and some applications of systems for speech recognition 1-47138  
Hlavka, J. New principle of contactless lifetime determination in semiconductor wafers 1-27780  
Hlawka, F., Stoll, A. Signaling for the future. Common channel signaling based on CCITT system No.7 1-37702  
Hlebowicz, J. A dielectric leak detector 1-31850  
Hlibka, T. *see* Phadke, A.G. 1-34949, 1-43785  
Hlidek, P. *see* Hoschl, P. 1-39741  
Hlynka, A. A simulator to replace wire rules for high speed computer design 1-45415  
Ho, A.P., Horig, C.T., Konian, R.R. High performance PNP and NPN bipolar chip 1-28090  
Ho, C.F. A note on stability conditions of active RC networks 1-45464  
Ho, C.P. *see* Schwarz, S.A. 1-40467  
Ho, C.Q. *see* Johnson, C.R. 1-33683  
Ho, C.W. *see* Deutsch, A. 1-45803  
Ho, C.Y., Moser, L. Symmetrical coupler reduces phase error 1-45607  
Ho, E.Y. An efficient analog circuit pack fault diagnosis algorithm 1-35644  
Ho, F. *see* Cheung, N.W. 1-53630  
Ho, J.C. *see* Holmes, D.S. 1-28303  
Ho, J.K., Loute, E. A set of staircase linear programming test problems 1-27046  
Ho, J.P.L. *see* Goretzki, J.A. 1-36296  
Ho, P.S. *see* Lewis, J.E. 1-45995  
Ho, S., Wibberley, D. One-shot control of immersion heaters 1-31666  
Ho, W.W. *see* Schoenwald, J.S. 1-36767  
Ho Chuk-Min *see* Chuk-Min Ho  
Ho Jung Paik Superconducting tensor gravity gradiometer for satellite geodesy and inertial navigation 1-52936  
Ho Quoc Vu *see* Quoc Vu Ho  
Ho Shin Seung *see* Seung Ho Shin  
Ho Vu Quoc *see* Vu Quoc Ho  
Ho Yu-Ping *see* Yu-Ping Ho  
Ho-Chung Huang *see* Kumar, M. 1-45693  
Hoa, D. Hui Bon *see* Hui Bon Hoa, D.  
Hoadley, B. The Quality Measurement Plan (QMP) [telephony] 1-41891  
Hoadley, B. Empirical Bayes analysis and display of failure rates 1-44740  
Hoai, T.X., Herrmann, K.H., Genzow, D. A new attempt for understanding temperature-dependent thresholds in lead salt injection lasers 1-33244  
Hoai, T.X. *see* Herrmann, K.H. 1-32675  
Hoan Nguyen Cong, Bakary Ba, Chartier, P. Influence of oxygen on the photochemical behaviour of thin film polycrystalline CdS photoanodes 1-44315  
Hoang, D.B., Goodwin, G.C. Lower bound on one shot error probability 1-29044  
Hoang Hai Hoc Topological optimization of networks: a nonlinear mixed integer model employing generalized Benders' decomposition 1-29443  
Hoang Tuy, Nguyen van Thoi Solving the linear complementarity problem via concave programming 1-44964  
Hobbs, J.E. *see* Marwick, A.D. 1-38392  
Hobbs, R.E. *see* Devlin, W.J. 1-51454  
Hobbs, R.E. *see* Steventon, A.G. 1-37104  
Hobbs, R.W., Brandt, J.C., Maran, S.P., Chitwood, J.S., Larsen, R.K., Katz, C., Becker, S., Rudish, R.M., Hendricks, R.K. Application of millimeter-wave remote sensing to the investigation of comets 1-48824  
Hobbs, T.G. The health physics program at the National Bureau of Standards Linac 1-38536  
Hobein, D. *see* Schuchmann, G. 1-38123  
Hoberg, P. *see* Krajenbrink, F. 1-39814  
Hobgood, H.M. *see* Thomas, R.N. 1-27104, 1-35940  
Hobler, H.J., Kuhn, G., Tempel, A. Crystallization CuGaS<sub>2</sub> from Pb and Sn solutions 1-39747  
Hobson, E. Fast identification of load shedding requirements for real-time system control 1-43488  
Hobson, E. Fast identification of load shedding requirements for real time system control 1-43580  
Hobson, E. *see* Griffiths, D.B. 1-26818  
Hobson, M.J., Driggs, C.L. CAS—the USA takes a hard look at a German first 1-30957  
Hoc Hoang Hai *see* Hoang Hai Hoc  
Hochberg, Y., Marcus, R. Three stage elimination type procedures for selecting the best normal population when variances are unknown 1-39546  
Hochel, J. *see* Hennings, H.H. 1-43858  
Hochschild, G., Demmel, E. RF power source development for the high current linear accelerator of the spallation neutron source (SNQ) 1-48333  
Hochstrasser, R., Kaiser, W., Shank, C.V. (editor) Picosecond Phenomena II. Proceedings of the Second International Conference on Picosecond Phenomena 1-26780  
Hocht, J. The MONOLITH Hi-Fi loudspeaker unit 1-34124  
Hochuli, C.U., Kantor, G. Non-perturbing temperature probe and thermography measurements in microwave diathermy 1-48692  
Hochweller, G., Frese, H., Heynen, V., Krechlok, W. PADAC multi-microcomputers basic building blocks for future control systems 1-42974  
Hochweller, G. *see* Frese, H. 1-42973  
Hock, G. *see* Bollman, H. 1-48988  
Hockel, H. Controlled shaker loaders for high-conveyor delivery rates in underground mining 1-53861  
Hockham, G.A., Wolfson, R.I. Integrated multi-band phased array antenna 1-41411  
Hockham, G.A. *see* Wolfson, R.I. 1-51752  
Hocking, J. *see* Harris, M. 1-29269  
Hockman, A.J., Sena, F.J., Gentile, P.S. Use of the AC mutual inductance bridge for measuring diamagnetism and paramagnetic temperature dependence 1-30192  
Hodeau, M. *see* Stuck, R. 1-36501

- Hoder, K.** Current protection of a stabilised power source 1-50421
- Hodes, D.A.** Brighter economic forecast—after 1981 1-31802
- Hodes, G.,** Manassen, J., Cahen, D. Factors influencing output stability of Cd-chalcogenide/polysulfide photoelectrochemical cells 1-44374
- Hodes, G.** see Manassen, J. 1-44316
- Hodes, G.** see Vainas, B. 1-36541
- Hodgdon, M.L.** Steady state power transmission through a multilayered ferroelectric device with electromechanical dissipation 1-40761
- Hodge, D.B.** see Baxter, R.A. 1-28888
- Hodge, M.H.** see Woods, J.G. 1-33069
- Hodge, W.F.** see Howell, W.E. 1-29820
- Hodges, D.A.** see Gray, P.R. 1-45521
- Hodges, D.T.** see Foote, F.B. 1-47996
- Hodges, M.R.L.** Effect of threshold offsets in zero-crossing speech detector 1-51796
- Hodges, R.E.** see Bostrom, D.E. 1-52911
- Hodgkin, B.C.** see Nelson, C.V. 1-48741
- Hodgkins, J.E.** Improving the selectivity of the FRG7—a simpler approach 1-47531
- Hodgkinson, J.** see Brunwin, R.F. 1-32642
- Hodgkiss, W.S.** The adaptive lattice array processor 1-37607
- Hodgkiss, W.S., Jr.,** Presley, J.A., Jr. Adaptive tracking of multiple sinusoids whose power levels are widely separated 1-37433
- Hodgson, K.J.** see Incullet, I.I. 1-53815
- Hodgson, R.M.,** Cady, F.M., Pairman, D. A solid-state airborne sensing system for remote sensing 1-43460
- Hodgson, R.T.** Laser annealing with a 308-nm Xe-Cl pulsed excimer laser 1-51549
- Hodgson, R.T.** see Liu, J.M. 1-32760
- Hodgson, R.T.** see Neri, J.M. 1-48556
- Hodson, E.K.,** Thayer, D.R., Franklin, C. Adaptive Gaussian filtering and local frequency estimates using local curvature analysis 1-47184
- Hoebbeck, G.** see De Buck, F. 1-53534
- Hoerberling, R.F.,** Talerico, P.J. Long-pulse application of pulse-forming lines for high-power linac application 1-48279
- Hofer, W.J.R.** see Pic, E. 1-45597
- Hofer, W.J.R.** see Sharma, A.K. 1-46999, 1-51648
- Hoefflinger, B.** Output characteristics of short-channel field-effect transistors 1-46145
- Hoefflinger, B.,** Zimmer, G. New CMOS technologies 1-36695
- Hoefflinger, B.** see Fiedler, H.L. 1-40185
- Hoefflinger, B.** see Habekotte, E. 1-39900
- Hoefflinger, B.** see Herbst, D. 1-40099
- Hoefflinger, B.** see Hosticka, B.J. 1-32191
- Hoefflinger, B.** see Kleine, U. 1-50393
- Hoefflinger, B.** see Zimmer, G. 1-51017
- Hoegg, P.** see Szente Varga, H.P. 1-35320
- Hoek, G.** van der see van der Hoek, G.
- Hoek, G.A.L.** van see van Hoek, G.A.L.
- Hoek, R.** van den see van den Hoek, R.
- Hoeks, A.P.G.,** Reneman, R.S., Peronneau, P.A. A multigate pulsed Doppler system with serial data processing 1-43301
- Hoekstra, J.P.** Mini-structure joining technique 1-26922
- Hoenders, B.J.** The unique reconstruction of a scalar or vectorial field from its values on an arbitrary surface to which it has propagated through an arbitrary medium 1-37248
- Hoeneveld, W.J.** see van Turnhout, J. 1-41195
- Hoening, M.O.,** Steeves, M.M., Montgomery, A.G., Olmstead, M.M. Progress in the ICCS-HFTF 12 tesla coil program 1-28382
- Hoening, M.O.** see Olmstead, M.M. 1-28391
- Hoening, S.A.** New applications of electrostatic technology to control of dust, fumes, smokes, and aerosols 1-52951
- Hoer, C.A.** A high-power dual six-port automatic network analyzer for determining biological effects of RF and microwave radiation 1-48217
- Hoeren, G.** see Palmquist, S. 1-52337
- Hoesly, D.D.** see Luo, F.C. 1-36640
- Hoeven, B.J.** van der see van der Hoeven, B.J.
- Hoeven, G.** van der see van der Hoeven, G.
- Hofer, D.C.,** Kaufman, F.B., Kramer, S.R. Polymeric donor-self-doped acceptor negative resists 1-46041
- Hofer, J.** Reconstruction from projections for analog transaxial tomography by coherent-optical deconvolution 1-30422
- Hoff, F.** Reliability of optoelectronic components with constant time-change of the parameter 1-46602
- Hoff, I.F.** Properties of the parameters of the optimal linear characteristic of the holographic record 1-28814
- Hoff, M.E., Jr.** see Noyce, R.N. 1-36168
- Hoff, S.** see Gunawardane, G. 1-39627
- Hoffer, J.** see Deak, I. 1-48933
- Hoffer, P.B.,** Berger, H.J., Steidley, J., Brendel, A.F., Gottschalk, A., Zaret, B.L. A miniature cadmium telluride detector module for continuous monitoring of left-ventricular function 1-34614
- Hoffer, T.** see Koller, L. 1-50645
- Hoffert, W.J.** see Fazio, M.V. 1-48345
- Hoffliner, B.** see Fiedler, H. 1-40193
- Hofflinger, B.,** Zimmer, G. The way to the new CMOS technology 1-50927
- Hofflinger, B.** see Habekotte, E. 1-46320
- Hofflinger, B.** see Schweer, R. 1-42526
- Hofflinger, B.** see Zimmer, G. 1-40715
- Hoffman, A.J.** see Groflin, H. 1-39570
- Hoffman, A.L.** see Willenberg, H.J. 1-30943
- Hoffman, C.M.** see Baer, H.W. 1-34516
- Hoffman, C.R.** Self-adjusting bias current generator for IC amplifier 1-27260
- Hoffman, C.R.,** Stephens, G.B. Avalanche erasure current control circuit for EAROM array 1-27425
- Hoffman, D.,** Roehr, B. Switching supply gives negative output from positive input by using power FET 1-27275
- Hoffman, D.** see McCalla, W.J. 1-50995
- Hoffman, E.J.,** Phelps, M.E., Huang, S.C., Kuhl, D.E., Crabtree, M., Burke, M., Brugiss, S., Keyser, R., Highfill, R., Williams, C. A new tomograph for quantitative positron emission computed tomography of the brain 1-34578
- Hoffman, E.J.** see Brugiss, S.G. 1-34581
- Hoffman, E.J.** see Williams, C.W. 1-38492
- Hoffman, H.H.** see Arnold, H.W. 1-28923, 1-37308, 1-52096
- Hoffman, H.H.** see Cox, D.C. 1-46913
- Hoffman, H.S.,** Hughes, J.J., Moldo, R.J., Muth, G.C. Temperature measurement in a film evaporator 1-42760
- Hoffman, H.S.,** Stephens, E. Cermet resistors on ceramic substrates 1-45713
- Hoffman, H.S., Jr.** Quiet repetition rate control of a gas panel 1-45877
- Hoffman, H.S., Jr.,** Zimmerman, L.L. Improved speed for selective sustain readout of a displayed image [plasma panel display devices] 1-30199
- Hoffman, J.** Automization of the pressure and temperature control object in the energetic boiler 1-43950
- Hoffman, J.** see Kaufman, L. 1-34422
- Hoffman, J.E.** see Hicks, W.W. 1-28057
- Hoffman, J.M.** see Tisone, G.C. 1-51328, 1-51390
- Hoffman, K.C.** Planning and analysis of energy research and development programs 1-31837
- Hoffman, K.F.,** Di Marco, R. A small scale supervisory system 1-43810
- Hoffman, K.F.,** Di Marco, R.R., Higgins, N.A. The development of an integrated multiprocessor local and remote control and data acquisition system for automated substation supervision 1-48989
- Hoffman, R.,** Burnham, G. Airborne electronic map systems. I. Design 1-52903
- Hoffman, R.** see Hughes, G.F. 1-28239
- Hoffman, S.D.** see Baxa, E.G., Jr. 1-37599
- Hoffman, V.E.,** Chang, H.M. Individual wafer metallization utilizing load-locked, close-coupled conical magnetron sputtering 1-27967
- Hoffman, W.K.** see Bechade, R.A. 1-40045
- Hoffmann, E.,** Alcorn, J., Chen, W., Hsu, Y.-H., Purcell, J., Schermer, R. Design of the BPA superconducting 30 MJ energy storage coil 1-28375
- Hoffmann, G.** Inductively heated Inducal casting facilities for rationalization in the foundry 1-31707
- Hoffmann, H.,** Neudel, M., Schewe, H., Reffle, J. Trajectories of para- and ferromagnetic particles in HGMS filters with axial configurations 1-28862
- Hoffmann, H.** see Reffle, J. 1-28861
- Hoffmann, H.J.,** Woodall, J.M., Chappell, T.I. Voltage-controlled photoetching of GaAs 1-32759
- Hoffmann, J.,** Denisenko, N.A. The random conditions of symmetrical components in electrical energy systems 1-53060
- Hoffmann, K.,** Roder, H., Vogt, R. Quality testing on LSI circuits by phase noise measurements 1-40660
- Hoffmann, K.,** Roder, H., Vogt, R. A new method for lifetime prediction of electronic devices 1-44673
- Hoffmann, K.,** Zehentner, J. Sliding microstrip short-circuit and an impedance transformer 1-27595
- Hoffmann, K.** see Degele, D. 1-43142
- Hoffmann, K.** see Rossbach, J. 1-42785
- Hoffmann, K.H.** Modernization of old buildings with over-the-floor installation channels 1-26863
- Hoffmann, M.** Information management 1-37723
- Hoffmann, M.** Water-power plants in the Polish power system in conjunction with the Vistula Programme 1-43996
- Hoffmann, R.** see Siegl, J. 1-50620
- Hoffmeyer, H.-H.** see Guder, H. 1-53267
- Hoffswell, R.A.** see Axel, P. 1-42900
- Hofland, R., Jr.** see Pridmore-Brown, D. 1-28612
- Hoflich, H.** see Krauth, H. 1-28390
- Hoflund, G.B.,** Gilbert, R.E. A switching circuit for a DC electron-bombardment sample heater for UHV applications 1-32365
- Hofmann, A.** Fiber optics—the state of art 1-33022
- Hofmann, A.** Electron and proton beam diagnostics with synchrotron radiation 1-42904
- Hofmann, A.** Diagnostics and cures for beam instabilities 1-48482
- Hofmann, A.** Calculation of immittance of piezoelectric resonators 1-51064
- Hofmann, A.,** Jowett, J., Myers, S. Change of the energy distribution in an electron storage ring by a dipole-octupole wiggler 1-42978
- Hofmann, A.,** Komarek, P., Schnapper, C. The confidence in liquid helium cooling for future superconducting turbogenerators 1-53387
- Hofmann, A.,** Myers, S. Beam dynamics in a double RF system 1-48494
- Hofmann, A.,** Vos, L., Zotter, B. Experiments on the beam-beam limit of bunched proton beams 1-48510
- Hofmann, A.** see Hemery, J.-Y. 1-43005
- Hofmann, A.** see Thompson, D.J. 1-48292
- Hofmann, B.** see Tichatschke, R. 1-31997
- Hofmann, C.B.,** Baron, A.R. Wideband ESM receiving systems. II 1-34005
- Hofmann, G.** Pyroelectric radiation detectors for application in the low-temperature pyrometry 1-34249
- Hofmann, G.,** Neumann, N. Specific detectivity of pyroelectric detectors with lateral heat conduction 1-46379
- Hofmann, G.,** Neumann, N. Voltage and current mode operation of pyroelectric detectors 1-51073
- Hofmann, H.,** Ott, G. A device for damping power swings in interconnected power systems 1-38681
- Hofmann, H.** see Adelseck, B. 1-36323
- Hofmann, H.** see Schmidt, L.P. 1-28957
- Hofmann, H.** see Schulz, P. 1-29173
- Hofmann, H.R.** see Egli, D. 1-42055
- Hofmann, I.** Emission growth of beams close to the space charge limit 1-42979
- Hofmann, I.** see Bozsik, I. 1-52630
- Hofmann, K.** see Degitz, H. 1-38361
- Hofmann, M.** see Althoff, K.H. 1-42878
- Hofmann, R.** A UHF-VHF radio telephony system 1-42176
- Hofmeister, W.** Deformation of a support by thermal extension [instruments design] 1-47870
- Hofsteenge, K.** Inspection of (electrical) installation 1-26957
- Hoft, H.** The initial magnetisation curve of a non-linear magnetic material 1-36809
- Hoft, H.** The static hysteresis loop of magnetic materials 1-46381
- Hoft, H.** Calculation of magnetic parameters and their correlations from the analytic hysteresis curve 1-51076
- Hog, G.** see Mayer, H.A. 1-32448
- Hogan, T.H.** see Williams, M.E. (editor) 1-47363
- Hogarth, C.A.** see Ghauri, M.A. 1-45946
- Hoge, F.E.,** Swift, R.M. Absolute tracer dye concentration using airborne laser-induced water Raman backscatter 1-34717
- Hoge, H.** Estimation of the dynamics of vocal tract parameters 1-41552
- Hogenauer, E.B.** An economical class of digital filters for decimation and interpolation 1-32349
- Hogervorst, W.** see Eliel, E.R. 1-28668
- Hogg, B.W.** Improvement of turbogenerator performance by modern control techniques 1-49419
- Hogg, B.W.,** Walker, P.A.W., Abdalla, O.H., Sharaf, M.M. Approaches to modelling and optimal control of a micro-alternator system 1-31178
- Hogg, D.C.,** Guiraud, F.O., Decker, M.T. Measurement of excess radio transmission length on Earth-space paths 1-34710
- Hogg, F.R.** De see De Hogg, F.R.
- Hogg, G.L.** see Blackstone, J.H., Jr. 1-31912
- Hogg, J.M.** see Fellows, T.G. 1-29313
- Hogge, M.** see Geradin, M. 1-39679
- Hogrefe, R.L.,** Kellogg, K.D., Konecny, R.S., Kramer, S.L., Simpson, J.D., Suddeth, D.E., Hardek, T.W. ANL stochastic cooling experiments using the FNAL 200-MeV cooling ring 1-42992
- Hogue, R.** see Cockerill, D. 1-43233
- Hoh, K.,** Tarui, Y. Problems in VLSI technology 1-28066
- Hoh, K.** see Koyama, H. 1-40671
- Hoh, P.D.** see Harper, J.M.E. 1-46046
- Hohenbalken, B.** von see von Hohenbalken, B.
- Hohenwarter, G.K.,** Beyer, J.B. Broadband RF-coupling to thin-film Josephson and SIS devices 1-28339
- Hohl, F.** see Jalufka, N.W. 1-51327
- Hohla, K.** see Egger, H. 1-46672
- Hohla, K.L.,** Loree, T.R., Brau, C.A., Stein, W.E. A linac-pumped excimer laser: fluorescence and scaling studies 1-46673
- Hohla, K.L.** see Newnam, B.E. 1-51314
- Hohlwald, K.** see Bohm, J. 1-52716
- Hohman, D.** Combating spurious output and overloading with cavity filters 1-52046
- Hohn, H.** see Berndt, G. 1-44418

- Hohne, E., Uhlemann, K. Special aspects of the basic electrical features of the Markersbach pumped-storage power station 1-53307
- Hohne, E. *see* Gillner, W. 1-53309
- Hohnke, D.K. *see* Hetrick, R.E. 1-34241
- Hoi Won-Lon *see* Won-Lon Hoi
- Hojaji, H. *see* Mohr, R.K. 1-28433, 1-46495
- Hojvat, C. *see* Ankenbrandt, C. 1-48573
- Hoke, M., Lutkenhoner, B., Bappert, E. Compensation of the transfer-function of electromechanical transducers for periodic signals by inverse filtering [auditory testing] 1-43314
- Hoke, M. *see* Ross, B. 1-38514
- Holbeche, J. *see* King, R.A. 1-37408
- Holbin, J. Rotating anode X-ray source 1-34525
- Holbrook, M.B., Sleet, W.E., Bradley, D.J. Bandwidth-limited picosecond pulse generation in an actively mode-locked GaAlAs diode laser 1-28735
- Holbrook, M.Burton *see* Burton Holbrook, M.
- Holbrook, W.R. *see* Tsang, W.T. 1-51437
- Holbrow, C. *see* Wanderer, P. 1-43097
- Holek, O. *see* Tanovic, N. 1-34416
- Holden, J.B. Electronic mail overview-1980 1-29384
- Holder, C.H., Jr. *see* Ketkar, S.N. 1-37202
- Holdhus, O. *see* Hermanson, U. 1-34749
- Holdsworth, B. Uphill work that saves energy [heat pumps] 1-49950
- Holfert, W. *see* Nikoloff, J. 1-31555
- Holford, K. If it moves, microwaves will detect it 1-37966
- Holland, A.S.B. A survey of degree of approximation of continuous functions 1-50246
- Holland, B.S. *see* McAllister, P.R. 1-44858
- Holland, C.J. An approximation technique for small noise open-loop control problems 1-50171
- Holland, D.F. *see* Crocker, J.G. 1-49241
- Holland, J.P. *see* Doss, M. 1-48617
- Holland, R., Simpson, L. Finite-difference analysis if EMP coupling to thin struts and wires 1-37325
- Hollander, M., Proschan, F., Sethuraman, J. Decreasing in transposition property of overlapping sums and applications 1-35690
- Hollandsworth, C.E. *see* Eccleshall, D. 1-48404
- Hollas, C.L., Newsom, C.R., Ransom, R.D., Riley, P.J., Bonner, T.E., Boissevain, J.G., Simmons, J.E., Bhatia, T.S., Glass, G., Hiebert, J.C., Northcliffe, L.C., Tippens, W.B. QPAN—a quick polarization analyzer for neutrons 1-43199
- Hollas, C.L. *see* Ransome, R.D. 1-43200
- Hollebeck, R. Disruption limits for linear colliders 1-42857
- Hollebeck, R. *see* Richter, B. 1-42876
- Hollebeck, R.J. *see* Donald, M.H.R. 1-42924
- Hollebeck, R.J. *see* Lee, M.J. 1-42908
- Hollebone, B.R. *see* Langford, C.H. 1-44357
- Holleck, G.L. Common pressure vessel nickel-hydrogen battery design 1-31432
- Hollenberg, K. *see* Doring, F.W. 1-30270
- Holler, G. *see* Gourjon, R. 1-52924
- Holler, H.K. Historical review of model tests and flow computations for hydraulic machines 1-43982
- Holler, H.K. Water turbines for low-head power stations 1-53302
- Holley, B.R., Mendel, E. Process for making very thin, unwarp, polished wafers 1-27898
- Holley, B.R. *see* Burdick, R.D. 1-32765
- Holliday, E.M. *see* Weathers, G. 1-42324
- Holliday, M.G. *see* Dakin, J.P. 1-42280
- Holliger, K. Quantitative water analogy method for designing blade cascades with given outlet direction 1-38899
- Hollingsworth, D.R. *see* Shah, R.R. 1-46096
- Hollis, M. *see* Eastman, L.F. 1-50792
- Hollister, W.M. *see* Klein, R.W. 1-30512
- Hollnagel, R., Knauf, K. The proper distance of a two-detector arrangement for activity determination of  $\gamma$ -ray emitting samples 1-52693
- Holloway, A.F. *see* Lee, D. 1-34613
- Holloway, E. *see* King, P.H. 1-34584
- Holloway, F.W. *see* Speck, D.R. 1-51409
- Holly, R. *see* Gielow, T. 1-48171
- Holm, C., Sirtl, E. Crystallization of silicon from the silicon-chalcogen vapor phase 1-39758
- Holm, S. Automatic generation of mixed excitation in a linear predictive speech synthesizer 1-37451
- Holm, U. *see* Ulbricht, J. 1-43171
- Holm Larsen, F. *see* Lemanczyk, J. 1-41370
- Holman, B.L. *see* Zimmerman, R.E. 1-34574
- Holman, D.F., Chaudhry, M.L., Ghosal, A. Some results for the general bulk service queueing system 1-31933
- Holman, R.L., Cressman, P.J. Temperature sensitivity of prism coupling to lithium niobate optical waveguides 1-33029
- Holman, R.L., Cressman, P.J. Long-life performance of outdiffused lithium niobate optical waveguides at 632.8 nm 1-36940
- Holman, R.L., Cressman, P.J. Stoichiometry-control and the performance of electrooptic waveguides for integrated optics 1-46570
- Holman, T. New factors in power amplifier design 1-47843
- Holmboewijk, T. Loudspeakers need not be large: minibox with maxi sound 1-47835
- Holmes, A.J.T., Green, T.S. Measurements of beam power loadings in four-electrode ion beam extraction systems 1-38369
- Holmes, A.J.T., Thompson, E., Watters, F. A compact ion source with high brightness 1-43191
- Holmes, A.J.T. *see* Cottrell, G.A. 1-38363
- Holmes, A.R. *see* Barratt, P.J.S.B. 1-43124
- Holmes, B.A. *see* Mays, I.D. 1-49391
- Holmes, B.H. The data compression system for the Solar Polar Mission's CX equipment 1-38135
- Holmes, C. *see* Besser, L. 1-45657
- Holmes, D.E., Catos, H.C. Convective interference and 'effective' diffusion-controlled segregation during directional solidification under stabilizing vertical thermal gradients; Ge 1-27094
- Holmes, D.E., Kamath, G.S. Growth of InP by infinite solution LPE 1-39788
- Holmes, D.E., Wilson, R.G., Yu, P.W. Redistribution of Fe in InP during liquid phase epitaxy 1-45080
- Holmes, D.E. *see* Vaidyanathan, K.V. 1-40408
- Holmes, D.S., Adair, A.M., Oberly, C.E., Ho, J.C. Bronze for superconducting wires: the powder metallurgy approach 1-28303
- Holmes, E.J. Limits of reactance variation, tapping range and safe loading limits for large supply transformers 1-49545
- Holmes, F.E. An introductory microprocessor course 1-35582
- Holmes, G. *see* Carleton, G. 1-44643
- Holmes, J., Lucas, N.J.D. Optimization of diesel engine design for combined heat and power 1-35072
- Holmes, J., Smith, M., Merrick, D., Harrison, J.S. Coal gasification for combined cycle power generation: a general simulation method 1-49296
- Holmes, J.A.G. Developments in UK commercial fast reactor design 1-38870
- Holmes, J.N. Overview of machine-to-man communication by speech 1-41612
- Holmes, J.N. A survey of methods for digitally encoding speech signals 1-51791
- Holmes, J.N. *see* Harborne, S.J. 1-51810
- Holmes, L. Ultrasound in diagnostic medicine 1-30407
- Holmes, L. The view from the top at the Atomic Energy Authority 1-30886
- Holmes, L. The changing world of small capacitors 1-36359
- Holmes, P.G. *see* Muntz, V.A. 1-44180
- Holmes, R. *see* Collins, T. 1-28269
- Holmes, R.B., Jones, L.K. New methods for probability density estimation 1-31929
- Holmes, R.D. Low current true swap gate [magnetic bubble devices] 1-32984
- Holmes, R.S. *see* Brown, B.C. 1-32584
- Holmqvist, B., Ramstrom, E. A high efficiency  $4\pi$  neutron detector 1-52694
- Holmqvist, N. *see* Larsson, T. 1-29322
- Holmshaw, R.T. Use of an image intensifier to establish the energy distribution from an S25 photocathode 1-32592
- Holnicki, P. On  $L^2$ -estimates for discrete-time Galerkin approximation to second order hyperbolic equations 1-44792
- Holoch, G. Computer-controlled setting and verification equipment for the EBU/IRT, time-and-control code system 1-34106
- Holodnik, B. *see* Barycka, I. 1-27720
- Holonyak, N., Jr., Laidig, W.D., Camras, M.D., Coleman, J.J., Dapkus, P.D. IR-red GaAs-AlAs superlattice laser monolithically integrated in a yellow-gap cavity 1-51438
- Holonyak, N., Jr. *see* Anderson, E.R. 1-33221
- Holonyak, N., Jr. *see* Coleman, J.J. 1-39764
- Holonyak, N., Jr. *see* Dapkus, P.D. 1-33219
- Holonyak, N., Jr. *see* Laidig, W.D. 1-46753
- Holonyak, N., Jr. *see* Vojak, B.A. 1-37140, 1-37143
- Holsa, J., Leskela, M., Niinisto, L. Sensitization of  $Tb^{3+}$  luminescence with  $Ce^{3+}$  in LaOB:  $Tb^{3+}$ ,  $Ce^{3+}$  1-41003
- Holstead, D. Modern low-cost digital multimeters 1-38220
- Holt, A.G. *see* Gupta, O.R. 1-35653
- Holt, A.G.J. *see* Allen, P.J. 1-45532
- Holt, A.R. *see* Evans, B.G. 1-46855
- Holt, A.R. *see* Shepherd, J.W. 1-46856
- Holt, B. New design and manufacturing methods [Si ICs] 1-50989
- Holt, D., Hutchings, D. A MOS/LSI oriented logic simulator 1-46328
- Holt, D., Sapiro, S. BOLT—a block oriented design specification language 1-46327
- Holt, H.D. *see* Passino, N.A. 1-33014
- Holt, J. *see* Cho, Y. 1-42901
- Holt, L. *see* Nix, E.L. 1-51045
- Holt, R.J. *see* Cho, Y. 1-42872
- Holt, R.J. *see* Khoo, T.K. 1-42892
- Holt, T. Measurement of electromagnetic air gap torque produced by a synchronous motor during starting 1-44061
- Holt, T. Measurement of electromagnetic air gap torque produced by a synchronous motor during starting 1-44073
- Holte, N., Stueflotten, S. A new digital echo canceller for two-wire subscriber lines 1-29592
- Holten, T. *see* van Holten, T.
- Holtom, R. *see* Howarth, J.R. 1-32578
- Holtz, R.E. *see* Bratis, J.C. 1-30975
- Holtzman, J. *see* Shanmugan, K.S. 1-26824
- Holtzman, J.C. *see* Frost, V.S. 1-29788
- Holweck, C. *see* Alemany, C. 1-49088
- Holy, F.-J. *see* Dittmer, H.-J. 1-53256
- Holz, G., Ogle, J., Andreadakis, N., Siegel, J., Maloney, T. A self-scan memory plasma display panel 1-45883
- Holz, M. *see* Smith, I.W. 1-52887
- Holze, D., Hafner, K. Status and development trends of industrial gas burners in view of fuel economy 1-49821
- Holzer, R. Direct current motors 1-39007
- Holzhauser, W. *see* Eckert, D. 1-51115
- Holzl, R. Transmission line calculations with the TI-59 calculator 1-37333
- Holzle, J. *see* Franz, M. 1-40074
- Holzman, M. Evaluation of the performance of complex interconnection devices in fiber-optic systems 1-37946
- Holzworth, R.H., Koons, H.C. VLF emissions from a modulated electron beam in the auroral ionosphere 1-46880
- Holzworth, R.H., II *see* Schroeder, K.R. 1-38583
- Homan, L.C., Ohnstad, G.A. Saturating regulator for lightly-loaded voltage supply 1-36080
- Homberger, E. The danger of electricity. I 1-26875
- Homberger, E. The dangers of electricity. II 1-31843
- Hombouger, G. *see* Mailfert, A. 1-49517
- Homburg, D. Circuit examples for a thermal time relay 1-45736
- Homburg, D. Examples of thermal time-relay circuits 1-50653
- Homentcovski, D. *see* Manolescu, A. 1-32146
- Homeyer, W. *see* Hsu, Y.-H. 1-28379
- Homma, I. *see* Ishiyama, Y. 1-30455
- Homma, Y., Katagi, T., Mizusawa, M., Kumazawa, H. A circularly symmetric dual-reflector-type multibeam antenna 1-47071
- Homma, Y., Nozawa, H., Harada, S. Polyimide liftoff technology for high-density LSI metalization 1-32873
- Hommel, M.B. *see* Hirschhorn, S.S. 1-45418
- Homoki, I. *see* Fodor, F. 1-35434, 1-35458
- Homola, J. *see* Fecko, S. 1-30764
- Homonick, H. Operational measurements, service analysis, and network management—they're all part of the DMS switch [electronic switching systems] 1-42081
- Homsy, R.V. *see* Cooper, J.F. 1-31419
- Hon, D.T., Hellwarth, R.W. Progress in pulse compression by stimulated Brillouin scattering 1-46801
- Hon Lam Chung *see* Chung Hon Lam
- Honda, B. *see* Mochizuki, J. 1-33840
- Honda, K. *see* Yamazaki, K. 1-30094
- Honda, M. *see* Ikeda, M. 1-39035
- Honda, M. *see* Serizawa, K. 1-44699
- Honda, M. *see* Teranishi, T. 1-39034
- Honda, M. *see* Yada, K. 1-33989
- Honda, S., Ueda, K., Kusuda, T. Dynamic behavior of small bits written by laser irradiation on GdFe films 1-46462
- Honda, S. *see* Irie, T. 1-45491
- Honda, S. *see* Shimizu, H. 1-45339
- Honda, S. *see* Suzuki, Y. 1-45298
- Honda, T. *see* Nakadate, S. 1-37232
- Honda, T. *see* Ohnuma, K. 1-41808
- Honda, T. *see* Ohya, N. 1-30418
- Honda, Y. Applications of MELF resistors grow due to new mounting methods 1-50634
- Honda, Y. *see* Aida, T. 1-35982
- Honda, Y. *see* Yamada, T. 1-33878
- Honderd, G. *see* van Amerongen, J. 1-30654
- Honeisen, B., Neville, R.C. Localized states can enhance the efficiency of a solar cell 1-53646
- Honert, C. Van Den *see* Van Den Honert, C.
- Honey, D.R. Evolution of the integrated branch exchange 1-29466
- Hong, C.S. *see* Ng, W. 1-37168, 1-51441
- Hong, J.D. *see* Shibata, T. 1-50757
- Hong, J.H. Adaptive equalization circuit [for data communication systems] 1-47424
- Hong, J.H. *see* Powers, E.J. 1-47709
- Hong, K.S. *see* Cho, Z.H. 1-34577
- Hong, S.J., Nair, R. Row/column bypass mechanism for an array of processing elements 1-45388
- Hong, S.J., Roth, J.P., Shapiro, E. Test pattern calculation for detecting Delta-I failure 1-26911
- Hong, S.J. *see* Lee, D.T. 1-50971
- Hong, S.O., Adam, E., Gregory, E., Koop, D., Marancik, W. Fabrication of the NbTi compacted monolith conductor for Elmo Bumpy Torus (EBT-P) prototype coils 1-28389
- Hong, S.O. *see* Spencer, C. 1-28394
- Hong, Y.K. *see* Lee, J.S. 1-52080
- Hong Se June *see* Se June Hong
- Hong Xiaoyin *see* Wang Peida 1-27942
- Hong Yin *see* Yin Hong

**Hong-bin Chen** On minimum step-response rise-time of linear systems under the constraint of a given noise bandwidth 1-50384

**Hong-du Liu, Bei Zhang, De-huang Wang, Wei-xi Chen** Masked and selective thermal oxidation of GaAs-Ga<sub>1-x</sub>Al<sub>x</sub>As multilayer structures 1-32758

**Hong-du Liu, Bei Zhang, De-Huang Wang, Wei-Xi Chen** Masked and selective thermal oxidation of GaAs-Ga<sub>1-x</sub>Al<sub>x</sub>As multilayer structure: a new technique for integrated-optic and stripe geometry DH lasers 1-37154

**Hong-jie Tao** *see* Tao Hong-jie

**Hong-Jun, Z., Jian-Hua, D., Jun-Hui, Y., Cun-Xiu, G.** A bistable liquid crystal electro-optic modulator 1-46588

**Hong-lin Liang** *see* Liang Hong-lin

**Hong-ru Zhai** *see* Zhai Hong-ru

**Hong-Soo Choi** *see* Moon-Seok Choe 1-49694

**Hongda, M.** *see* Luguang, Y. 1-51138

**Hongjia He** *see* He Hongjia

**Hongo, A.** *see* Miyagi, M. 1-51203

**Hongo, I.** *see* Koike, T. 1-29108

**Hongo, K., Akiyama, S., Uchida, Y., Tomosugi, T., Ueda, E., Kogure, Y., Horio, M., Komatsu, I.** Kuantan-Kuching submarine cable system—system description 1-37851

**Honig, M.L., Messerschmitt, D.G.** Convergence properties of an adaptive digital lattice filter 1-37497

**Honig, M.L., Messerschmitt, D.G.** Convergence models for adaptive gradient and least squares algorithms 1-37608

**Honjo, K., Takayama, Y.** GaAs FET ultrabroad-band amplifiers for Gbit/s data rate systems 1-36104

**Honjo, K., Takayama, Y.** A 25-W 5-GHz GaAs FET amplifier for a microwave landing system 1-40232

**Honma, K., Shimizu, K., Nakatani, T., Take-naka, E.** An image processing procedure for extraction of unusual contour shape in radioiso-topo images of the human liver 1-48688

**Honma, S.** *see* Nagami, K. 1-49610

**Honma, T., Nigo, T., Takahashi, H.** Low-noise and high-efficiency rotary air-conditioners 1-31688

**Honma, T.** *see* Hattori, T. 1-48383

**Honnell, M.A., Lowry, J.L., Pettus, R.O.** Spectral contents of pulse-width modulated systems with non-ideal waveforms 1-41486

**Honnell, M.A., Pettus, R.O.** Filter selection criteria for pulse width modulated amplifiers 1-39964

**Honnell, M.A., Trask, M.J., Pettus, R.O.** Effects of modulator nonlinearity upon the transfer characteristics of pulse width modulated systems 1-41487

**Honnell, M.A.** *see* Lott, G.K., Jr. 1-42716

**Honorati, O.** *see* Chiriccozzi, E. 1-53486

**Hontsch, H.** *see* Hase, W. 1-51243

**Honty, L.** Manual and automatic control of photo-masks and semiconductor elements 1-50962

**Honys, V.** Series connected devices and protection of inactive components against dangerous con-tact voltages 1-43766

**Hoo-min D. Toong, Gupta, A.** An architectural comparison of contemporary 16-bit microproces-sors 1-36169

**Hood, F.P., III, Lounsbury, J.B., Myers, D.E., Narasimham, M.A.** Development process for radiation-sensitive resists 1-27894

**Hood, J., Rouleau, G., Sagan, J., Visentin, S.** TATS: a sophisticated testing tool for a sophis-ticated switch [electronic switching systems] 1-42082

**Hood, J.L.** Linsley *see* Linsley Hood, J.L.

**Hooda, D.S., Tuteja, R.K.** Two generalized measures of 'useful' information 1-33415

**Hoof, L.A.H.** *van see* van Hoof, L.A.H.

**Hooft, G.W.'t** *see* 't Hooft, G.W.

**Hooge, F.N., Kleinpenning, T.G.M., Vandamme, L.K.J.** Experimental studies on 1/f noise 1-46089

**Hoonhout, D.** *see* Bakker, M. 1-36457

**Hooper, A., McGeehin, P.** Physical principles of advanced battery design 1-49649

**Hooper, A., Sofield, C.J., Turner, J.F., Tofield, B.C.** The analysis of surface insulating films on lithium nitride crystals 1-44344

**Hooper, C.** *see* Bandy, S. 1-40579

**Hooper, E.B., Jr.** *see* Leung, K.N. 1-43144

**Hooper, J.** *see* Cockerill, I. 1-43233

**Hooper, J.O.** *see* Moore, R.P. 1-48805

**Hooper, R.** The dawn of electronic publishing 1-38034

**Hooper, R.C., Smith, D.R., White, B.R.** Long repeater span monomode optical fibre systems 1-42273

**Hoorn, M.H.** *Van see* Van Hoorn, M.H.

**Hoornstra, J.** *see* Vonka, V. 1-48265

**Hoose, J.** *see* Bunkenberg, J. 1-51410

**Hoose, J.F.** Alignment system devices for medium repetition rate glass fusion lasers 1-46779

**Hoover, P.** *see* Dobyns, T. 1-47640

**Hoover, W.M.** *see* Woodward, A.C. 1-52905

**Hopkins, F.F., Morgan, I.L., Ellinger, H.D., Klinskies, R.V., Meyer, G.A., Neils Thomp-son, J.** Industrial tomography applications 1-35985

**Hopcraft, M.H.** MFT2 HF systems—synthesized drive and receiver 1-47520

**Hope, C.W.** The assessment of renewable energy research and development with imperfect information 1-44638

**Hope, G.S., Malik, O.P., Chang, J.** Microproces-sor-based active and reactive power measure-ment 1-30828

**Hope, J.D.** *see* Bjorklund, G.C. 1-28820

**Hopenfeld, J.** Simplified correlations for the pre-diction of NO<sub>x</sub> emissions from MHD power plants 1-31149

**Hopf, J.F., Lindenmeier, H.K.** Extremely linear electrically tunable active receiving antenna 1-41354

**Hopin, V.F.** *see* Andreev, A.T. 1-36870

**Hopkins, C.G.** *see* Evans, C.A., Jr. 1-27823

**Hopkins, D.C.** *see* Steigerwald, R.L. 1-32377

**Hopkins, D.K.W., Lothian, J.S.** Television signals via satellite: the digital approach 1-29859

**Hopkins, F.K., Jackson, H.E., Boyd, J.T.** In-plane scattering measurements in a planar optical waveguide by an integrated technique 1-51214

**Hopkins, R.** *see* Barisy, A. 1-42917

**Hopkins, R.** *see* Bunkenberg, J. 1-51410

**Hopkins, T.P.** Push-button pulse generator 1-36148

**Hopkins, T.P.** Priority audio switch 1-38057

**Hopkins, T.P.** Bidirectional audio link 1-42466

**Hopkinson, J.** Electric generation near absolute zero 1-53353

**Hopkinson, R.H.** *see* Gilligan, S.R. 1-48973

**Hoppe, R.H.W.** A penalty method for the approxi-mate solution of stationary Maxwell equations 1-32033

**Hopper, G.** Detector trade-offs [infrared] 1-30121

**Horacek, M.** *see* Stroink, G. 1-38479

**Horak, J., Brzozowska, M.** Control and forecasting method of the electric energy distribution effi-ciency in networks up to 110 kV 1-49065

**Horak, J., Szkutnik, J.** An assessment index of the power supplying establishment activity 1-52999

**Hordijk, A., Kallenberg, L.C.M.** Algorithms for the computation of an optimal transient policy in unconstrained and constrained dynamic pro-gramming 1-44979

**Horeh, R., Kamin, J.Y.** Financing a central research laboratory: a tool of R&D subsidy policy 1-39337

**Horga, C.** *see* Maftai, M. 1-49252

**Hori, A.** *see* Yamaguchi, H. 1-30607

**Hori, F.** *see* Kumaki, S. 1-34133

**Hori, H.** *see* Kasahara, K. 1-42694

**Hori, H.** *see* Yabuzaki, T. 1-46746

**Hori, H.** *see* Yanagisawa, T. 1-52547

**Hori, K.** *see* Yano, M. 1-37106

**Hori, K.-I.** *see* Imai, H. 1-51458

**Hori, M.** *see* Fukunami, M. 1-43361

**Hori, M.** *see* Shimazu, T. 1-43325

**Hori, T.** *see* Hattori, T. 1-48383

**Hori, T.** *see* Noda, A. 1-43038

**Hori, T.** *see* Takahashi, K. 1-34367

**Hori, T.** *see* Tokuda, N. 1-48436

**Hori, T.** *see* Ueda, N. 1-48377

**Hori, Y., Kamide, N., Suzuki, S.** Energy storage by electrolytic reduction of carbon dioxide 1-39138

**Hori, Y.** *see* Sone, S. 1-36382

**Horiba, Y., Nakaya, M., Kato, S., Tsukamoto, K., Sakurai, H., Kondo, T.** A bipolar 2500-gate subnanosecond masterslice LSI 1-32315

**Horibe, Y.** Entropy and an optimal random number transformation 1-50149

**Horie, H.** *see* Horikoshi, J. 1-47108

**Horie, M.** *see* Kimura, M. 1-41924

**Horie, N., Tanihara, Y., Okabe, T., Kaneko, K., Shibata, A., Fukushima, I.** Four A/D LSIs for a portable VCR system 1-29915

**Horie, N.** *see* Kobori, Y. 1-34099

**Horigami, O.** *see* Shiraki, H. 1-28276

**Horigome, S.** *see* Shiraiishi, H. 1-32744

**Horiguchi, M., Ohmori, Y., Edahiro, T., Takata, H.** Measurement of material dispersion in GeO<sub>2</sub>-P<sub>2</sub>O<sub>5</sub>-doped silica optical fibers 1-33065

**Horiguchi, M.** *see* Jinguji, K. 1-40905

**Horiguchi, N.** *see* Tai, I. 1-49246

**Horiguchi, S.** Excitation mechanisms responsible for the 615.0-nm oscillation in a He-Hg ion laser 1-46679

**Horiguchi, T., Miki, T., Ishio, H.** F-32M and F-100M fiber-optic transmission systems 1-42238

**Horiguchi, T., Tanifuji, T., Tokuda, M.** Excitation technique for baseband frequency response measurement in graded-index fiber 1-28449

**Horiguchi, T.** *see* Nakazawa, M. 1-46506

**Horiguchi, T.** *see* Tanifuji, T. 1-52595

**Horiike, Y., Sugawara, T., Okano, H., Shibagaki, M.** Cl<sub>2</sub>/Ar plasma etching of a con-taminated layer on Si induced by fluorocarbon gas plasma 1-32769

**Horikawa, S., Asano, S., Itoh, K., Nomura, T.** Dual-speed data transmission systems in deep-space explorations 1-29721

**Horikoshi, G.** *see* Ishimaru, H. 1-42836

**Horikoshi, J., Horie, H., Morinaga, T.** QDPSK error rate considerations with cochannel inter-ference in land mobile communications 1-47108

**Horikoshi, Y.** *see* Fukui, T. 1-27128

**Horikoshi, Y.** *see* Takanashi, Y. 1-46642, 1-46643

**Horima, H., Yamanishi, T., Tanaka, S., Kumam-aru, H., Nakahara, Y., Ishihara, K.** Jelly-filled optical cable 1-28456

**Horima, H.** *see* Yonechi, S. 1-32440

**Horimatsu, T., Nakajima, H., Miyauchi, E.** TE/TM mode splitter using an intersecting waveguide 1-36919

**Horio, M.** *see* Hongo, K. 1-37851

**Horiuchi, I.** *see* Sogabe, T. 1-49812

**Horiuchi, T., Kobayashi, S.** High-voltage direct current transmission facility between Hokkaido and Honshu 1-30709

**Horiuchi, T.** *see* Okada, T. 1-28398

**Horky, L.** *see* Vavrejinova, M. 1-53802

**Horler, H., Ammann, H.** External or internal bearings for turbochargers—a comparison with particular reference to rotor dynamics and bear-ing properties 1-49309

**Horlitz, F.W.G.** Superconducting magnets for accelerators 1-48529

**Horn, B.** Technological problems arising in the installation of EZMG signal boxes and their solution 1-44443

**Horn, F.** *see* Bourgeois, J.-P. 1-47323

**Horn, G.W.** Secure data communications 1-47410

**Horn, G.W.** Mobility aid electronic devices for the blind 1-52798

**Horn, K.** Possibilities of dynamic functional test of digital boards 1-47915

**Horn, P.** Positive impedance converter suitable for high-frequency application 1-40097

**Horn, P.** Heteroscedasticity of residuals. A non-parametric alternative to the Goldfeld-Quandt peak test 1-50135

**Horn, P.** *see* Moschytz, G.S. 1-45497

**Horn, P.M.** *see* Dutta, P. 1-45705

**Horn, S.B.** Cryogenic cooling options for forward looking infrared (FLIR) 1-48096

**Horna, O.A.** Extended range echo cancellers 1-40106

**Horna, O.A.** Correction algorithms for extended range echo cancellers 1-41554

**Horne, G.** Reed relays—the market expands 1-32475

**Horne, K.D.** An optimised solution to microwave testing 1-47909

**Horne, P.R.** *van see* van Horne, P.R.

**Horne, P.R.** *Van see* van Horne, P.R.

**Horneff, H.** *see* Strehl, P. 1-42927

**Horner, J.L., Ludman, J.E.** Single holographic ele-ment wavelength demultiplexer 1-37224

**Horner, W.D.** An embedded software development and integration facility 1-52860

**Horng, C.T., Mauer, J.L.** Shallow emitter process for bipolar transistors 1-32801

**Horng, C.T., Michel, A.E., Schwenker, R.O.** Bipolar transistor structure and fabrication process 1-27994

**Horng, C.T., Schwenker, R.O.** Effects of conductor passivation on bubble propagation in contiguous disk devices 1-46447

**Horng, C.T., Wieder, A.W.** Self-aligned submicron bipolar transistor process 1-27995

**Horng, C.T.** *see* Ho, A.P. 1-28090

**Horng Chi-Song** *see* Chi-Song Horng

**Horng Jiann-Tsiong** *see* Jiann-Tsiong Horng

**Horng, C.F.** An evaluation of high-energy bonding for PC board repair 1-32498

**Hornkohl, J.O.** *see* Kar, M.L. 1-37597, 1-41787

**Hornsby, D.R.** *see* Rochau, G.E. 1-38385

**Hornstra, F., Berrill, E., Cannon, P., Corp, D., Fredrickson, D., Genge, M., Swoboda, C., Yao, N.P.** Test results of computer-generated simulated driving profiles applied to near-term batteries 1-31438

**Hornsveld, E.M.** *see* Elen, J.D. 1-41196

**Hornung, A.** *see* Zieher, K.W. 1-43120

**Hornung, S.** *see* White, K.I. 1-46536

**Hornung, S.H.** *see* Kashyap, R. 1-40952

**Horodecki, A.** Choice of the power of an electro-mechanical system of energy conversion from its technological and economic features 1-53695

**Horowitz, A.J., Eastlake, D.E., III, Low, D.** An intelligent terminal for access to heterogeneous chemical information systems 1-37776

**Horowitz, B.G.** *see* Calabro, S.R. 1-44765, 1-49205

**Horowitz, E., Zorat, A.** The binary tree as an interconnection network: applications to multiprocessor systems and VLSI 1-28056

**Horowitz, L.L., Senne, K.D.** Performance advantage of complex LMS for controlling narrow-band adaptive arrays 1-37360

**Horowitz, Y.S., Kalef-Ezra, J.** Relative thermoluminescent response of LiF-TLD to <sup>252</sup>Cf fission fragments 1-52819

**Horsley, A.W., Usher, E.S.** Optical fiber commun-ication systems in PTT networks 1-52102

**Hornsveld, E.M.** *see* Elen, J.D. 1-32991

- Horsta, S. Hospital electrical networks must be looked after 1-49081
- Horste, U. Meyer *see* Meyer *see* Horste, U.
- Horstmann, P.H. *see* Price, W.R. 1-47968
- Horstmann, R., Langkau, R., Scobel, W. Scintillations in ionisation chambers 1-38425
- Horton, D. Improved constant current sink 1-27277
- Horton, D.R. Simple inexpensive precision rectifier 1-32175
- Horton, R., Lobert, O. Digital radio systems. I. Status, application and performance of medium capacity systems 1-47519
- Horton, R., Thomas, D., Rozeboom, R. Design automation speeds through customization of logic arrays 1-45354
- Horvat, M. *see* Vukovic, Z. 1-37817
- Horvath, J. Digital multimeter 1-30181
- Horvath, J. Experiences concerning public illumination in some foreign countries 1-31634
- Horvath, P. Information processing and microelectronics in panel system operating-theatre 1-38543
- Horvath, T., Berta, I., Hughes, J.F., Blythe, A.R. Change of electrostatic charges in roller/foil systems 1-37254
- Horvath, Z. *see* Janszky, J. 1-51502
- Howard, J.L. *see* van Cutsem, T. 1-49044
- Horwitz, N. *see* Bridges, D. 1-43234
- Horwitz, N. *see* Brody, A. 1-34436
- Horwood, J.M.K. Molybdenum-gold conductors for nickel chromium alloy thin film resistors 1-27718
- Hosack, H.H. *see* Younse, J.M. 1-26958
- Hosain, S.I. *see* Kumar, A. 1-33047
- Hosaka, S., Kawamoto, Y., Hashimoto, S. Impurity contamination of the SiO<sub>2</sub> layer on Si wafers during ion etching 1-32771
- Hosaka, T., Ohmori, Y., Miya, T., Terunuma, Y. Analysis of OH-ion diffusion in single mode optical fibres 1-36892
- Hosaka, T., Okamoto, K., Miya, T., Sasaki, Y., Eda, H. Low-loss single polarisation fibres with asymmetrical strain birefringence 1-46509
- Hosaka, T., Ueda, K., Matsuura, H. A design automation system for electronic switching systems 1-47502
- Hosaka, T. *see* Miya, T. 1-33063
- Hoschl, P., Hlidak, P., Kubla, V., Moravec, P., Pitel, J., Prosser, V. Growth and some physical properties of CdCr<sub>2</sub>Se<sub>4</sub> crystals 1-39741
- Hoschl, P., Moravec, P., Prosser, V., Sakalas, A., Jasinskaitė, R. Electrical characterization of ZnTe crystals grown from In solvent 1-50780
- Hosemann, J.P. *see* Hennies, H.H. 1-43859
- Hoshikawa, K., Kohda, H., Ikuta, K. Improvement in CZ silicon wafer by reducing oxygen impurity 1-45907
- Hoshikawa, M. *see* Inao, S. 1-37902
- Hoshikawa, M. *see* Tanaka, S. 1-36896
- Hoshimiya, N., Ohba, S., Matsuo, T., Chigira, H., Nitta, S., Ohkuda, K., Nakada, T. Microprocessor based real-time respiratory gas monitoring instrument 1-43293
- Hoshina, T. *see* Kawai, H. 1-46631
- Hoshino, T., Sato, N., Hayashi, Y., Ogura, Y. An application of the observer to the attractive-type magnetic levitation 1-39169
- Hoshino, T. *see* Hayashi, Y. 1-35438
- Hoshino, Y. *see* Sugita, K. 1-38155
- Hoshinouchi, S. *see* Shimada, T. 1-41175
- Hosking, J.R.M. Fractional differencing 1-35748
- Hoskins, M., Fliegel, F., Mahon, S., Datta, S., Hunsinger, B.J. Electron transport by line acoustic waves in GaAs:Cr 1-36486
- Hoskins, M. *see* Datta, S. 1-36789
- Hoskins, R.H. *see* Stearns, R.C. 1-28642
- Hosni, Y.A. *see* Doering, R.D. 1-34810
- Hosny, E.A. *see* Sobhy, M.I. 1-45219
- Hosoba, M., Takashi, S., Ban, R., Ohmura, K., Kiri, M., Toyama, H., Murata, H., Iio, M. Total system for the real time data processing, cine-mode presentation and color video recording for clinical nuclear medicine 1-43326
- Hosoba, M. *see* Takahashi, H. 1-49818
- Hosoda, J. *see* Namba, M. 1-35156
- Hosoda, K. *see* Fukasawa, A. 1-45620
- Hosoda, M. *see* Tsuchiya, Y. 1-41098
- Hosoe, T., Hagiwara, T., Tanabe, K., Minami, T. STOC-101 call processing program [facsimile transmission] 1-33769
- Hosoe, T. *see* Kirihara, Y. 1-33762
- Hosoe, Y. *see* Arai, A. 1-49811
- Hosokawa, K. *see* Sakamoto, Y. 1-34885, 1-43696
- Hosokawa, M., Oguchi, K., Ikeda, M., Yazawa, S., Endo, K. Dichroic Guest-Host active matrix video display 1-48175
- Hosokawa, M. *see* Yamaguchi, T. 1-44279
- Hosokawa, T., Takeuchi, Y., Ohshiba, H. A multistage deflector theory 1-28849
- Hosoki, S. *see* Yamamoto, S. 1-36427
- Hosomi, M. *see* Yoshinaga, K. 1-53582
- Hosomi, Y., Nojima, M. Matrix display of monolithic GaP green LED 1-41034
- Hosono, K. *see* Matsuoka, N. 1-43201
- Hosono, T. *see* Hinata, T. 1-39848
- Hososaka, S. *see* Chiba, T. 1-44669
- Hosoya, Y. *see* Sasaki, O. 1-46865
- Hosoyama, K. *see* Mitsunobu, S. 1-42828
- Hossain, D. *see* Haque, A.K.M.M. 1-38393
- Hostetter, G.H. On generalized interpolation of continuous-time signal samples 1-37549
- Hosticka, B.J., Hoefflinger, B., Herbst, D. Performance of integrated dynamic MOS amplifiers 1-32191
- Hosticka, B.J. *see* Kleine, U. 1-50393
- Hotard, D.G., Jordan, J.D. Regression analysis is applied to improve product quality 1-44733
- Hotchen, E.P. Operational performance of Calder Hall and Chapelcross, 1956 to 1980 1-53214
- Hotchkiss, L.C. Automated loss measurement set for optical cables 1-29766
- Hotta, K. *see* Oikado, T. 1-37062
- Hotta, M. *see* Maio, K. 1-27589, 1-40200
- Hotte, E.D. Radiological safety for particle accelerators: what part will the States play? 1-35607
- Hottier, F., Laurence, G. Assessment by in situ ellipsometry of composition profiles of Ga<sub>1-x</sub>Al<sub>x</sub>As-GaAs heterostructures 1-45919
- Hou Yinchun *see* Ma Xiaoshan 1-32053
- Hou-Chi Cheng, Koch, F. Magnetoconductance studies on InP surfaces 1-32643
- Houdret, C. *see* Aubin, C. 1-53121
- Hough, C.L., Jr., Goforth, R.E. Quadratic posynomials; an extension of posynomial geometric programming 1-44940
- Hough, D.M. Exact formulae for certain integrals arising in potential theory 1-39708
- Hough, D.M., Papamichael, N. The use of splines and singular functions in an integral equation method for conformal mapping 1-35927
- Hounshell, D.A. Two paths to the telephone 1-26772
- House, C. Integrated design and analysis 1-40651
- House, D. *see* Berman, E. 1-48754
- House, W.A. *see* Williams, G.I. 1-38308
- Houssin, Y. Experience acquired in the field of low power photovoltaic application to educational television 1-53687
- Houston, P.A. *see* Benson, T.M. 1-28516
- Houts, R.C. Experiences with an introductory course in electrical engineering 1-39325
- Houts, R.C. Potential applicability of the VHSIC program to army digital signal processing 1-41781
- Houtte, D. *van see* van Houtte, D.
- Houwelingen, J.C. *van see* van Houwelingen, J.C.
- Houze, R. The first showing of CB 1-47545
- Houze, R.C. An extractable (removable) receiver: the Junior by Voxson 1-34049
- Houze, R.C. Keep the engine under control 1-35477
- Houzer, H.G. Operating methods with power station control 1-43811
- Hovel, H.J., Huggins, H.A. Improved metal removal for integrated circuit fabrication 1-32855
- Hovland, C.T. *see* Brady, T.E. 1-45752
- Howard, D. *see* Fugitt, J. 1-48356
- Howard, D.D., Wiedmann, S.K. Layout of MTL memory device 1-27409
- Howard, D.L. *see* Scobey, R.P. 1-30445
- Howard, J. *see* Alonso, J.R. 1-48748
- Howard, J.D. *see* Budde, D.L. 1-32313
- Howard, J.K. Fabrication of ultra-low barrier height SBD structures using rare earth transition metal alloys 1-27981
- Howard, J.K. Process to improve electrical properties of metal-oxide capacitor materials 1-36361
- Howard, J.K. Capacitor structure for bipolar memory device 1-51001
- Howard, J.K., Miller, R.J. Refractory silicide electrodes for capacitor structures 1-27632
- Howard, J.K., Pan, E.S., Reith, T.M., White, J.F. Graded TiW barrier layer for tailored Al-Cu electromigration resistance and TiW to Si barrier height control 1-27964
- Howard, J.K., White, J.F. Improved process for gold metallization 1-27965
- Howard, L.F. A new generation of medium-power TV transmitters 1-47766
- Howard, N. A comparison between fuel efficiency of railway diesel and electric traction units 1-31576
- Howard, N. The cost of railway electrification and system options 1-35459
- Howard, N. A comparison between fuel efficiency of railway diesel and electric traction units 1-35473
- Howard, N.R. Active and passive protection with PIN diodes 1-47743
- Howard, P.J. *see* Norman, P. 1-42258
- Howard, R.E. *see* Jackel, J.L. 1-40877
- Howard, R.E. *see* Jackel, L.D. 1-50878
- Howard, R.H. Quality of the DC power supply for modern telecommunication systems 1-44241
- Howard, R.H. Power supplies for small telecommunications centres. I. DC Power Plant Nos. 235 and 236 1-49573
- Howard, R.S. Distribution practice and trends—Eastern Electricity 1-43678
- Howard, R.T. A model for electrochemical corrosion of conductor lines on microelectronic substrates—reliability implications 1-46275
- Howard, W.A. Ordinal analysis of simple cases of bar recursion 1-31971
- Howard, W.E. Electroluminescent display technologies and their characteristics 1-41027
- Howard, W.E. *see* Sahni, O. 1-37044, 1-41026
- Howe, A.T. *see* Childs, P.E. 1-44341
- Howe, B. *see* Voyner, Z.F. 1-41400
- Howe, D.G., Gubser, D.U., Francavilla, T.L. Recent developments on processing and properties of V<sub>3</sub>Ge composite wires 1-28284
- Howe, D.G., Wrobel, J.J. Solvent-coated organic materials for high-density optical recording 1-34103
- Howell, B.P., McWright, G.M., Batchman, T.E. Measurement and analysis of propagation characteristics in silicon clad dielectric waveguides 1-40215
- Howell, C.M. Design and application of gallium arsenide hyperbolically stepped tuning varactors with constant gamma coefficient 1-32785
- Howell, J. An engineering approach to the design of multivariable controls for the turbine steam dump system in a nuclear power station 1-43854
- Howell, R.G., Thirlwell, J. Cross-polarization measurements at Martlesham Heath (UK) using OTS 1-28900
- Howell, R.G., Thirlwell, J. Slant-path depolarisation measurements at 12 and 14 GHz carried out at Martlesham Heath using the OTS satellite 1-46907
- Howell, R.G. *see* Thirlwell, J. 1-28891, 1-46904
- Howell, W.E., Hodge, W.F. Civil aviation applications of Navstar GPS 1-29820
- Howells, M. *see* Johnson, C. 1-53246
- Howells, S., Cridland, J.V. High pressure performance of u.v. preionized TE CO<sub>2</sub> laser 1-51365
- Howe, P.L., Geisler, M.J. Comparison of various source-gate geometries for power MOSFETs 1-50937
- Hoves, C.W. *see* Kempton, R.A. 1-44831
- Hoves, M.J. *see* Esdale, D.J. 1-45315
- Hoves, M.J. *see* Ezis, A. 1-36562
- Howie, C.F. *see* Burley, N.A. 1-30076
- Howland, J.C. *see* Lucas, M.S. 1-47922
- Howle, D. *see* Bouchez, J.P. 1-52831
- Howorth, J.R., Holtom, R., Hawton, A., Folkes, J.R., Palmer, I.C. Exploring the limits of performance of third generation image intensifiers 1-32578
- Howse, D.C. *see* Richards, D.L. 1-41907
- Howson, D.P., Excell, P.S., Butcher, G.H. Ignition of flammable gas/air mixtures by sparks from 2 MHz and 9 MHz sources 1-27746
- Howson, R.P., Ridge, M.I. Deposition of transparent heat-reflecting coatings of metal oxides using reactive planar magnetron sputtering of a metal and/or alloy 1-27155
- Howson, R.P., Ridge, M.I., Bishop, C.A. Production of transparent electrically conducting films by ion plating 1-50325
- Howson, R.P. *see* Avaritsiotis, J.N. 1-50323
- Hoy, C. Effective iterative impedances after short line fault on overhead transmission lines. I. Fundamentals of the computation method at clashed conductor elements 1-30763
- Hoy, C. Effective iterative impedances after short line fault on overhead transmission lines. II. Computing results by clashed conductor elements 1-38769
- Hoy, C. Optimum algorithm for computing of electromagnetic transient processes in high-voltage overhead transmission lines 1-49132
- Hoy, C., Wittig, F. Direct and extended possibilities of application of programs for the exact calculation of the propagation characteristics of overhead power lines at operating and higher frequencies 1-52043
- Hoy, H.R., Jack, A.R. Development of pressurised fluidised bed combustion in the UK 1-49298
- Hoyer, E. *see* Chupp, W. 1-48405
- Hoyer, E. *see* Halbach, K. 1-48391
- Hoyle, J. 'Applications of circuit breakers' 1-49609
- Hrach, R., Biederman, H. The Monte Carlo method in physical electronics and thin film physics 1-31947
- Hradil, F. Accurate setting of the contacts of a vibrating circuit 1-52572
- Hrbek, J. Measurement of the effective diameter of an electron beam and determination of exposed linewidth in the resist film 1-48187
- Hrbek, V. A 12 MW variable-speed drive for testing turbocompressors 1-35408
- Hrescic, M. Optimal reliability determination for switching systems 1-37808
- Hribar, A.E., White, D., Teplitzky, A.M. Development of a low noise FOA transformer cooler. II. Acoustic design 1-44158
- Hribar, J.A. *see* Mozer, J.D. 1-30701
- Hribik, J. Canonical realisation of gyrators 1-27486
- Hrisoho, A. Time domain noise calculation for the common base current amplifier configuration 1-48642
- Hrisoho, A.T. *see* Boie, R.A. 1-34507
- Hristov, H.D., Kirov, N.M. A family of two-reflector antennas with identical dielectric primary feeds 1-41373

Hristov, S.N., Mikov, M.M. Quick-acting analog-digital converter 1-40179

Hruda, R.M., Harbaugh, J.R. Fault contribution of chlor-alkali cell line 1-39252

Hrul, P., Woods, P., Hanas, O.J. Encryption systems [satellite relay systems] 1-33946

Hruska, C.K. On the linear polarizing effect with  $\alpha$ -quartz AT plates 1-28193

Hruska, J. Morse-code lock 1-36227

Hruskovic, M. The solution of a system of two transcendental equations with two unknown variables with the aid of the TI-58/59 calculators 1-39855

Hryszko, K., Korczewski, A. Veracity assurance of input signals in binary control 1-49203

Hsiao-Chuan Wang Sampling period and stability analysis for the microcomputer-based motor control systems 1-35328

Hsieh, H.C., Stewart, R.W. Effect of random aperiodicity on threshold gain of a distributed feedback semiconductor laser 1-46741

Hseuh, H.C., Gaudet, E.F. Outgassing rate of the copper-plated beam tube for ISABELLE 1-42831

Hsia, D.Y., Griffith, P. Steam generator flow instability modeling during the reflood stage of a loss-of-coolant accident 1-49240

Hsia, P. *see* Galey, B. 1-42613

Hsia, T.C. A simplified adaptive recursive filter design 1-50563

Hsiang, P. *see* Hughes, A. 1-43611

Hsiao, S.V. *see* Mattie, M.G. 1-48871

Hsiao Cheng-Kuo *see* Cheng-Kuo Hsiao

Hsiao-chuan Wang *see* Tzong-shyan Lin 1-41520

Hsieh, C.M. Evaluation of charge-coupled devices by use of alpha irradiation 1-40708

Hsieh, C.M., Murley, P.C., O'Brien, R.R. A field-funneling effect on the collection of alpha-particle-generated carriers in silicon devices 1-32610

Hsieh, D.M. *see* Evans, C.W. 1-40044

Hsieh, H., Krinsky, S., Luccio, A., van Steenberg, A. Design of a 6 Tesla wiggler for the National Synchrotron Light Source 1-43116

Hsieh, H.C., Lee, G.Y. Magnetostatic field effect on threshold current in a GaAs/Al<sub>0.1</sub>Ga<sub>0.9</sub>As double-heterostructure laser 1-51462

Hsieh, H.C. *see* Blewett, J.P. 1-51299

Hsieh, H.C.H. *see* Galayda, J.N. 1-43032

Hsieh, J.J. *see* Pao-Lo Liu 1-37114

Hsieh, J.J. *see* Tsang, D.Z. 1-28709

Hsieh, K.C. *see* Gray, P.R. 1-45521

Hsieh, K.P. *see* Chen, L.J. 1-50754

Hsieh, S.T. *see* Seto, Y.J. 1-52815

Hsin-Pang Wang *see* Jones, M.G. 1-27166

Hsiung Chen Chun *see* Chun Hsiung Chen

Hsu, C.-D. *see* Wilson, S.G. 1-37429

Hsu, F., Solecky, P., Beaudoin, R. Structured trace diagnosis for LSSD board testing—an alternative to full fault simulated diagnosis 1-45435

Hsu, F.M., Giordano, A.A., de Pedro, H.E., Proakis, J.G. Adaptive equalization techniques for high-speed transmission on fading dispersive HF channels 1-29615

Hsu, H.P. Design and fabrication of fusion-type optical-fiber couplers 1-36922

Hsu, N.N., Breckenridge, F.R. Characterization and calibration of acoustic emission sensors 1-38608

Hsu, S.T. Low frequency excess noise in SOS MOS FETs 1-28034

Hsu, W.B., Burton, L.C. A model for laterally graded Cu<sub>2</sub>S/Zn<sub>1-x</sub>Cd<sub>1-x</sub>S photovoltaic heterojunctions 1-50817

Hsu, Y.-H., Purcell, J.R., Alcorn, J.S., Homeyer, W. An ETR-TF-coil concept employing NbTi alloy, bath cooled with superfluid helium 1-28379

Hsu, Y.-H., Purcell, J.R., Chen, W.Y., Alcorn, J.S. Measurement of stability of cabled conductors cooled by He I at reduced temperature, or He II 1-28386

Hsu, Y.-H. *see* Alcorn, J.S. 1-28383

Hsu, Y.-H. *see* Hoffmann, E. 1-28375

Hsu Cheng-Tzu Thomas *see* Cheng-Tzu Thomas Hsu

Hsu Chung-in *see* Guo Gi-shou 1-50793

Hsu Sze-Bi *see* Sze-Bi Hsu

Hsu Tsen-gong Jim *see* Tsen-gong Jim Hsu

Hsu Tsung-Yuan *see* Tsung-Yuan Hsu

Hsu Wen-lian *see* Wen-lian Hsu

Hsueh, F.-L. *see* Simmons, J.G. 1-36529

Hu, C. *see* Drowley, C. 1-39763

Hu, C.J. An improved design of the swept-frequency automatic-Z-measuring schemes using multiple probes 1-52566

Hu, C.P., Denning, A. A broad-band, low-noise receiver at W-band 1-47538

Hu, E.L. *see* Jackel, J.L. 1-40877

Hu, E.L. *see* Jackel, L.D. 1-50878

Hu, H.L., Ju, K. Multiple period minor loops for contiguous disk devices 1-46442

Hu, H.L. *see* Ju, K. 1-51096

Hu Chengda *see* Zhao Bolin 1-38590

Hu Chenming *see* Chenming Hu

Hu Chuan-Shui *see* Chuan-Shui Hu

Hu Jia-Zeng *see* Deutch, B.I. 1-27932

Hu Jingshan *see* Niu Defang 1-38172

Hu Shuqin A 100 nanosecond gate for an RCA 7265 photomultiplier 1-40367

Hu Wenfu *see* Wang Yumin 1-41119

Hu Zong-xuan *see* Zong-xuan Hu

Hua Quen Tserng, Nelson, S.R., Macksey, H.M. 2-18 GHz, high-efficiency, medium-power GaAs FET amplifiers 1-45655

Hua Quen Tserng *see* Macksey, H.M. 1-32841

Hua-Kuang Liu, Schaeffel, J.A., Jr. Real-time recording, display, and retention of in-line acoustic holograms 1-30570

Hua-li Yang *see* Yang Hua-li

Huai-de Peng *see* Peng Huai-de

Huan C. Yen, Kai Chang A 63 W W-band injection-locked pulsed solid state transmitter 1-47734

Huang, C., Herbig, A., Anderson, R. Sub-half-micron GaAs FETs for applications through K-band 1-46176

Huang, C.C. *see* Pathak, P.H. 1-51597

Huang, C.-C. *see* Anderson, R.H. 1-46816

Huang, C.H. High-speed, two-dimensional filtering using residue arithmetic 1-41707

Huang, C.H., Gelders, A.H. A very high speed 2-D convolver using bilinear multipliers 1-37559

Huang, C.P. On the convergence of the QR algorithm with origin shifts for normal matrices 1-35887

Huang, C.Y. *see* Lim, K.C. 1-46463

Huang, C.Y. *see* Willis, J.O. 1-45957

Huang, H. *see* Dornan, B. 1-27325

Huang, H. *see* Kushner, H.J. 1-32238

Huang, H.C. *see* Kumar, M. 1-32216

Huang, J., Rahmat-Samii, Y., Woo, K. A GTD parametric study of pyramidal horns for reflector applications 1-51750

Huang, J. *see* Ohya, N. 1-43291

Huang, M.Y. *see* Dodson, D.J. 1-29653, 1-46374

Huang, R.S. *see* Chen, L.J. 1-50754

Huang, S.C. *see* Hoffman, E.J. 1-34578

Huang, S.Z. *see* Meng, R.L. 1-27158

Huang, T.S., Tsai, R.Y. Three-dimensional motion estimation from image-space shifts 1-41832

Huang, T.S. *see* Yang, G.J. 1-37571

Huang, Y., Wang, S.-T. Effects of soldering void on recovery characteristics of a cryostable superconductor 1-28396

Huang, Y.-C. *see* Wang, S.-T. 1-28377, 1-51124

Huang Bing-zhong *see* Wu Zhen-hui 1-32072

Huang Chin-Yen *see* Chin-Yen Huang

Huang De Min *see* De Min Huang

Huang Dong-qun *see* Liu Zhao-rong 1-38163

Huang Ge *see* Ge Huang

Huang Ho-Chung *see* Ho-Chung Huang

Huang Hung-Chia Weak coupling theory of optical fiber and waveguides 1-51193

Huang Hung-Chia *see* Hung-Chia Huang

Huang Kou-yuan *see* Kou-yuan Huang

Huang Kun On the applicability of the adiabatic approximation in multi-phonon recombination theory 1-27775

Huang Nian-Chyi *see* Nian-Chyi Huang

Huang Tai-Yi, Wang Cai-Fei, Yoh-Han Pao Speech analysis for Chinese Putonghua (Mandarin) 1-37467

Huang Tsou-Chiang *see* Tsou-Chiang Huang

Huang Wen Liang *see* Wen Liang Huang

Huang Xinfan *see* Bao Ximao 1-27891, 1-32605

Huang Zheng-feng, Shen Guang-ming Method of fault diagnosis in linear systems and their diagnosabilities 1-45205

Huang Zhengang *see* Cheng Wenchao 1-27777

Huang Zhenqi *see* Chen Xiaojian 1-45673

Huard, P. Complements relative to the parameters method 1-27035

Huat Lee Kok *see* Kok Huat Lee

Huba, J.D., Ossakow, S.L. On 11-cm irregularities during equatorial spread F 1-46878

Hubach, E.J.R. *see* Sharma, A.B. 1-28490

Hubbard, B. Cheap, dumb Apple [unintelligent terminal interfacing] 1-37752

Hubbard, R.L., Bos, P.J. Optical-bounce removal and turn-off-time reduction in twisted-nematic displays 1-42690

Hubbard, R.N. *see* Winer, I.M. 1-47993

Hubbelling, L. *see* England, J.B.A. 1-48576

Hubble, L. *see* Reader, C. 1-34213

Hubelbank, M. *see* Feldman, C.L. 1-52790

Huber, A.M. *see* Bonnet, M. 1-27135

Huber, A.M. *see* Chevrier, J. 1-40403

Huber, A.M. *see* Linh, N.T. 1-27827

Huber, C.J. *see* Jones, N.G. 1-37873

Huber, G. *see* Harig, T. 1-51422

Huber, G. *see* Lutz, F. 1-39738

Huber, G. *see* Touchard, F. 1-52732

Huber, G.N. Digital simulation of the asynchronous cascade with semiconductor rectifiers 1-53467

Huber, J. *see* Pettenpaul, E. 1-40535

Huber, J. *see* Weidlich, H.P. 1-27329

Huber, K. *see* Ries, H. 1-48603

Huber, L. Modern telecommunications services as they affect post and giro bank operations 1-47289

Huber, W.H. *see* Kingsley, W.E. 1-42548

Huberman, G. *see* Granot, D. 1-39593

Hubner, G. Evaluation and reduction of the noise of rotating electrical machines and transformers 1-38938

Hubner, K. *see* King, P.H. 1-34584

Hubner, R. Energy saving through heat-power coupling 1-49249

Hubner, R. Remote heating for blocks of flats and small industry 1-49257

Hubscher, D. *see* Eickelpasch, N. 1-43198

Huc, J. *see* Drevillon, B. 1-45106

Huck, B., Ingwersen, H., Jaeschke, E., Kolb, B., Repnow, R., Walcher, Th. Heavy ion acceleration at the Heidelberg tandem postaccelerator combination 1-38331

Huck, B., Ingwersen, H., Jaeschke, E., Kolb, B., Repnow, R., Walcher, Th. The Heidelberg heavy ion postaccelerator 1-48438

Huck, B., Jaeschke, E., Kratschmer, W., Repnow, R., Wirth, H. Investigations on carbon stripper foils produced in a DC glow discharge 1-43131

Huck, F.O., Halyo, N., Park, S.K. Information efficiency of line-scan imaging mechanisms 1-37639

Hudde, H., Schroter, J. Improvements in the Neumann artificial-head system 1-34143

Huddleston, G.K. Aperture synthesis of monopulse antenna for radome analysis using limited measured pattern data 1-41409

Huddleston, R.H. *see* Pridmore-Brown, D. 1-28612

Hudec, L., Machac, P., Myslik, V. Ageing of non-coherent light-emitting diodes 1-46653

Hudec, P. *see* Mocik, B. 1-36237

Hudgings, D.W., Jason, A.J. Los Alamos proton storage ring extraction system 1-43072

Hudgings, D.W., Jason, A.J. Injection system for the Proton Storage Ring at LASL 1-48312

Hudgings, D.W. *see* Jason, A.J. 1-43050

Hudgings, D.W. *see* Lawrence, G.P. 1-42870

Hudis, M. *see* Grubb, R.L. 1-35235

Hudnik, D., Ferkolj, S. Microcomputer used for RMS measurements 1-29971

Hudnik, D., Ferkolj, S., Gantar, J., Werk, M. Simulator of current conditions on AC motor terminals 1-38946

Hudson, C.G. *see* Minnema, D.M. 1-30316

Hudson, E.D. *see* Lord, R.S. 1-42893

Hudson, E.D. *see* Martin, J.A. 1-42895

Hudson, G.D. Angle measuring gage for connector housing 1-40289

Hudson, G.D., Powell, L.D. Guide assembly for pin-insertion press blocks 1-40311

Hudson, G.M. *see* Bauman, S. 1-38328

Hudson, R.D. *see* Heaps, W.C. 1-48863

Hue, J. *see* Ravinet, P. 1-36719

Huebner, D.A. *see* Oltman, H.G. 1-29009

Huebner, R.E. Communications for Marine Corps tactical command and control systems, some considerations 1-42204

Huebner, R.T. *see* Drotar, J.S. 1-44676

Huei Pei Kuo *see* Kelly, J. 1-50964

Hueng Xiao-yin *see* Pei Rong-xiang 1-27941

Huenges, E. *see* Daniel, H. 1-42899

Huertas, A. Oscar 7 and Oscar 8 [satellites] 1-43395

Huesman, R.H. *see* Derenzo, S.E. 1-34575

Huettenhain, H. *see* Ruby, J.D. 1-53174

Huey, H.M. *see* Dentino, M.J. 1-37546, 1-41742

Huf, H.J. Government subsidies in the FR Germany in the area of quality engineering electronics 1-44739

Huff, L., Fusek, R.L. Optical techniques for increasing image width in cylindrical holographic stereograms 1-37231

Huff, L. *see* Fusek, R.L. 1-37230

Huffaker, R.M. *see* Lawrence, T.R. 1-48864

Huffman, E.H. *see* Taur, Y. 1-41008

Huffman, F.N. *see* Goodale, D.B. 1-31480

Huffman, F.N. *see* Gunther, B. 1-31482

Huffman, G.D. Programmable memories make product redesign easy 1-27396

Huffman, J.L. *see* Trauth, E.M. 1-38031

Huggins, B.E. Radiography with low energy radiation 1-32107

Huggins, H.A. *see* Hovel, H.J. 1-32855

Huggins, R.A. Solid electrolytes 1-44332

Hugh, J.R., Thompson, V. Development of in-reactor inspection and repair techniques at Oldbury-on-Severn power station 1-53212

Hughes, A., Jee, G., Hsiang, P., Shoultz, R.R., Chen, M.S. Optimal reactive power planning 1-43611

Hughes, A.J. Liquid crystal displays 1-30209

Hughes, A.J. *see* Snell, A.J. 1-34333

Hughes, B. *see* Forbes, L. 1-47902

Hughes, B. Wing Commander *see* Wing Commander Hughes, B.

Hughes, C.J. The evolution of telecommunications for connecting electronic offices 1-41987

Hughes, C.J. Signal processing versus transmission in telecommunications networks 1-51882

Hughes, D.G. *see* Spencer, P.A. 1-42564

Hughes, F.M. *see* Allidina, A.Y. 1-43855

Hughes, G., Hawley, S.A. Current mirror linearizes remote-controlled timer 1-50472

- Hughes, G.F., Bloomberg, D.S., Castelli, V., Hoffman, R. Not just another self-consistent magnetic recording model 1-28239
- Hughes, G.P. *see* Buckley, W.D. 1-40316, 1-40317
- Hughes, G.W. *see* Webb, R.H. 1-43302
- Hughes, J. Chips for hybrids 1-40333
- Hughes, J., Barnett, B. In-circuit testing of LSI components 1-46191
- Hughes, J., Conrad, M. Microfunctions: A VLSI approach to distributed processing 1-28055
- Hughes, J.F. Industrial hazards of electrostatics 1-28833
- Hughes, J.F. Electrostatics and applications to industrial processes 1-33310
- Hughes, J.F., Au, A.M.K., Blythe, A.R. The electrostatic behavior of insulating film moving over grounded metal rollers 1-40749
- Hughes, J.F., Pavay, I.D. Electrostatic emulsification 1-37272
- Hughes, J.F. *see* Horvath, T. 1-37254
- Hughes, J.F. *see* Lees, P. 1-37257
- Hughes, J.J. *see* Hoffman, H.S. 1-42760
- Hughes, P. A noise operated COR (carrier operated relay) 1-29600
- Hughes, P.M., Cheetham, B.M.G. Analysis of noise, sensitivity and dynamic range in digital filters using multiplier extraction approach 1-32346
- Hughes, P.M. *see* Cheetham, B.M.G. 1-45527
- Hughes, R., Youngblood, G. The design and packaging of a microcomputer system for low power applications 1-51012
- Hughes, R. *see* Jarzynski, J. 1-43446
- Hughes, R. *see* Szarka, F. 1-28460
- Hughes, R.S. Linearize PIN-diode attenuators with a companding converter 1-40081
- Hughes, T. Massodax FM-1 flash meter 1-48077
- Hughes, V.W. *see* Schultz, P.F. 1-43181
- Hughes, V.W. *see* Seely, M.L. 1-43165
- Hugill, A.L. Probable flux path modelling of an inductive displacement sensor 1-42602
- Hugin, K.H. Comments on the new edition of DIN 57101/VDE0101 1-35603
- Hugo, J.A. *see* Harris, L.A. 1-50892
- Hugonin, J.P., Petit, R. Theoretical and numerical study of a locally deformed stratified medium 1-41278
- Hugoud, R. *see* Barret, J.P. 1-35151
- Huguenin, F. *see* Grepper, P. 1-30499
- Huguet-Rotger, L. *see* Goethals, J.-M. 1-33542
- Huhnel, U., Kuhnle, C. An investigation of the noise properties of a logarithmic current-voltage converter in the low input current range 1-32389
- Huhse, P. *see* Gebel, R. 1-35282
- Huhtanen, T., Ilmarinen, J., Lamminen, P. Functional distribution as a tool for call control software 1-42111
- Hui, B.S. *see* Boardman, A.E. 1-44852
- Hui Bon Hoa, D. *see* Simon, J.C. 1-41103
- Huidong, L. *see* Luguang, Y. 1-51138
- Huignard, J.P. *see* Hermann, J.P. 1-46782
- Huijter, E., Dove, D.B., Watson, J.K. Fundamentals of modeling I-bars and bubbles using Fourier series 1-28221
- Huijts, J. Simple sound generator takes orders from microcomputer 1-42457
- Huik-Rong Xia *see* Xia Huik-Rong
- Huisman, M.P.I. *see* den Dulk, R.C. 1-50463
- Huixin Li *see* Li Huixin
- Huke, K. *see* Kohra, K. 1-30292
- Huke, K. *see* Tanaka, J. 1-48571
- Hulin, J.P. *see* De Vecchis, M. 1-37918
- Hull, B. Trends in instrumentation 1-42508
- Hull, W.K. Applications of the KA-102A [airborne reconnaissance cameras] 1-48896
- Huller, W. *see* Kirchner, R. 1-52654
- Hullett, J.L., Jeffery, R.D. Long-range optical-fiber backscatter-loss signatures using two-point processing 1-40938
- Hullett, J.L. *see* Moustakas, S. 1-36608
- Hulliger, R. *see* Brown, H. 1-48364
- Hulme, B.G. Development of off-shore gas-turbine packages for power generation and mechanical drive 1-44562
- Hulme, B.L. *see* Worrell, R.B. 1-39441
- Hulme, K.F. *see* Forrester, P.A. 1-47747
- Hulse, J.R. Van *see* van Hulse, J.R.
- Hulst, K. Van *see* van Hulst, K.
- Hulsteyn, D.B. Van *see* van Hulsteyn, D.B.
- Hult, E., Leijonhufvud, G. AXB 30—a circuit switched data network system 1-29323
- Hult, G. *see* Hedelin, P. 1-37466
- Hum, R.A., Williams, D.L. An integrated analog/digital test system 1-47932
- Hum, R.H. *see* Macdonald, R.I. 1-51271
- Humbert, J.P. Applications of microprocessor emulators 1-42515
- Humblot, L. *see* De Buck, F. 1-53534
- Humblot, P.A. Data communication networks and information theory 1-29056
- Humblot, P.A. Generalization of Huffman coding to minimize the probability of buffer overflow 1-41492
- Humblot, P.A., Mosely, J. Efficient accessing of a multiaccess channel 1-29244
- Humenik, J.N., Tummalala, R.R. Use of PZT in ceramic chip decoupling capacitors 1-27729
- Hummel, R., Panda, D., Aggarwal, R. Application of relaxation labeling to missile guidance 1-48813
- Hummels, D.R., Ratcliffe, F.W. Calculation of error probability for MSK and OQPSK systems operating in a fading multipath environment 1-47085
- Hummer, A. Effect of dirt on insulating surfaces of electrical machines 1-53356
- Hummer, K., Kraft, K.-H., Luers, W. A simulation model for the investigation of operating sequences on high-speed railways 1-31528
- Humpage, W.D. *see* Wong, K.P. 1-53056, 1-53057
- Humpherys, T.W., Lusk, R.L., Jungling, K.C. Characterization of thin films for laser systems using surface analytical techniques 1-46763
- Humphrey, A.E. *see* Nolan, E.J. 1-31474
- Humphrey, J.W., Frankel, R.S., Niederer, J.A. The ISABELLE control system 1-48316
- Humphrey, J.W. *see* Cornacchia, M. 1-42938
- Humphrey, L.D. *see* Elce, P.J. 1-42042
- Humphrey, R. *see* Balder, W. 1-34253
- Humphreys, D.R., Barnard, R.W., Bivens, H.M., Jensen, D.H., Stephenson, W.A., Weinlein, J.H. Uranium logging by the prompt fission neutron technique 1-38571
- Humphreys, D.R. *see* Jensen, D.H. 1-38570
- Humphreys, J.C., McLaughlin, W.L. Dye film dosimetry for radiation processing 1-38417
- Humphries, D. *see* Avery, R. 1-42826
- Humphries, S., Jr., Lockner, T.R., Freeman, J.R. High intensity ion accelerators for inertial fusion 1-48411
- Humphries, S., Jr. *see* Lockner, T.R. 1-48410
- Humphry, F.J. *see* Stokes, R.H. 1-48469
- Hun Yang Sung *see* Sung Hun Yang
- Hund, F. Fault detection on the 8080 1-45350
- Hundsdoerfer, W.H., Spijker, M.N. A note on B-stability of Runge-Kutta methods 1-32032
- Huneck, M. Negative feedback two-stage amplifier and equalizer for fast PCM regenerators and other applications 1-32196
- Hung, C.C. *see* Chadwick, G.G. 1-51708
- Hung, E.K.-L. A multiresolution sampled-data spectrum analyzer for a detection system 1-33610
- Hung, H.-L., Hyman, N.L. Thermoelectrically cooled MESFET low-noise amplifier for earth stations 1-27293
- Hung, J.C., Liu, R.C. A comparison of several algebraic methods for control system applications 1-39705
- Hung Ban Tran *see* Richmond, J.H. 1-46973
- Hung Tan *see* Tan Hung
- Hung-Chia Huang, Zi-Hua Wang Analytical approach to the prediction of dispersion properties of step-index monomode optical fibers 1-36907
- Hung-Chia Huang *see* Huang Hung-Chia
- Hunnebeck, W.J. *see* Redinbo, G.R. 1-37624
- Hunneman, R. *see* Seeley, J.S. 1-46599
- Hunsicker, R.A. *see* McMahon, J.M. 1-51411
- Hunsinger, B.J. *see* Adler, R. 1-36453
- Hunsinger, B.J. *see* Datta, S. 1-36789
- Hunsinger, B.J. *see* Hoskins, M. 1-36486
- Hunsinger, B.J. *see* Jones, D. 1-45942
- Hunsinger, B.J. *see* Panasik, C.M. 1-28199
- Hunsperger, R.G. *see* Bendett, M.P. 1-40995
- Hunt, B.R., Cabrera, S.D. Optical implementation of a spatially adaptive image data compression system 1-29227
- Hunt, B.R., Cabrera, S.D. Optical computations for a spatially adaptive image data compression system 1-51861
- Hunt, B.R., Ito, H. Hybrid optical/digital inter-frame image data compression scheme 1-37651
- Hunt, D. *see* Avery, R. 1-42826
- Hunt, G.H. Airborne electronic displays 1-34663
- Hunt, J. *see* McCreary, J. 1-28133
- Hunt, J.T. *see* Murray, J.E. 1-28679
- Hunt, J.T. *see* Simmons, W.W. 1-51505
- Hunt, J.T. *see* Speck, D.R. 1-51409
- Hunt, J.W. *see* Arditi, M. 1-43473
- Hunt, J.W. *see* Foster, F.S. 1-48690
- Hunt, L. Thin-films and gyroscopes 1-34264
- Hunt, P.J. 'Zener-less' battery eliminator 1-32166
- Hunt, R.A. Assignment of values to a set of weights: (1) The basic theory 1-48248
- Hunt, R.L. Real-time film recording from stroke-written CRT's 1-27763
- Hunt, R.M., Rouse, W.B. Problem-solving skills of maintenance trainees in diagnosing faults in stimulating powerplants 1-49889
- Hunter, A.M., II. *see* Comly, J.C., Jr. 1-51349
- Hunter, H.H. Safety of the command and control system for automated guideway transit 1-31598
- Hunter, J.D. On the magnetic dipole representation of a small loop antenna 1-33400
- Hunter, J.D. *see* Somlo, P.I. 1-51636
- Hunter, J.S. The national system of scientific measurement 1-29963
- Hunter, R.O., Jr. *see* Pereira, N.R. 1-48442
- Hunter, W.L. *see* Allred, W.P. 1-39756
- Hunter, W.R., Hutchinson, M.H.R., Jones, M.R.O. Multiple resonant reflectors for the vacuum ultraviolet 1-28748
- Hunter, W.T. *see* Hagermann, D.C. 1-48347
- Huntton, J.K. New differential phase shift networks combining all-pass and band-pass elements 1-45578
- Huntzinger, B.C. *see* Tamm, L.L. 1-35233
- Hunyar, M., Szabo, J. Three-phase induction motor drives controlled by thyristor pairs in two phases 1-44396
- Hunziker, P. The membrain 2420 digital printed circuit board tester 1-42517
- Huo Chong-ru *see* Zhu Zhen-he 1-28683
- Huo Yun-sheng *see* Lin Shao-chi 1-28616
- Hupe, H.H. *see* Reinhart, E.E. 1-52204
- Hupet, G. *see* Drygas, H. 1-50161
- Hupfer, K. Microstrip techniques. I 1-36318
- Hupfer, K. Strip line engineering. II 1-45592
- Huppi, E.R. *see* Zachor, A.S. 1-30116
- Huraib, F. *see* Imamura, M.S. 1-31112
- Huraux, C. *see* Peyregne, G. 1-36704
- Hurd, J., Brown, A. Transverse phase space time dependence of LAMPFs high intensity H<sup>+</sup> beam 1-43047
- Hurd, R.A., Jull, E.V. Theory of a reflection grating with narrow grooves 1-41217
- Hurdubetiu, S. *see* Golovanov, N. 1-49130
- Huriau, A., Beddok, J., Campet, G. TFH 150 and TFH 250 microwave links 1-47523
- Hurle, T.J. *see* Cullis, A.G. 1-35932
- Hurley, C.A. *see* Martin, W.E. 1-51419
- Hurley, J.D., Schwenk, H.R. Standstill frequency response modeling and evaluation by field tests on a 645 MVA turbine generator 1-35157
- Hurley, R.E., Wilkes, S.A. The ion plating of polyvinylidene fluoride surfaces for transducer elements 1-52483
- Hurst, L. Bandpass audio filter 1-27514
- Hurst, R. Upgrading ESP efficiency is a problem 1-30991
- Hurst, R.S. *see* Lovitt, G.J. 1-42103
- Hurst, S.L., Langheld, E. The spectral production of binary logic functions. II 1-47143
- Hurst, W.S. *see* Sanders, D.M. 1-50320
- Hurt, D.T. *see* Thomas, L.D. 1-48986
- Hurtado, E.G. Radio and television, at present and within the next twenty years 1-29848
- Huruya, J., Sato, R. A design method of Chebyshev transmission-line filter with a single pair of poles in the finite frequency of the stopband 1-39870
- Hurwitz, C.E. Progress in long-wavelength sources and detectors 1-37936
- Hurwitz, C.E. Detectors for the 1.1 to 1.6  $\mu$ m wavelength region 1-52471
- Hurzeler, J. Data transmission for the bit rates of 2.4, 4.8 and 9.6 kbit/s 1-37787
- Husain, A. *see* Chamberlain, S.G. 1-40679
- Husain, E., Nema, R.S. Surface discharge studies with uniform field electrodes at low pressures 1-28152
- Husain-Abidi, A.S., Tom, D., Blaine, L.R., Ostrow, H. An airborne short wave infrared (SWIR) pushbroom imaging system using a 64-element PbS detector array 1-52394
- Huschidarian, K., Schneider, P. Alternative circuit arrangements in the communications networks of electrical power supply undertakings 1-42152
- Huse, J. Lightning overvoltages and overvoltage protection of distribution transformers 1-49544
- Huseini, S.D. KANUPP operating experience and maintenance and inspection programmes 1-38859
- Huseyin, O., Ersak, A. On the multivariable controlled induction motors 1-53459
- Husimi, K. *see* Shiraishi, F. 1-34451
- Husmann, D. *see* Althoff, K.H. 1-42878
- Husmann, D. *see* Thompson, D.J. 1-48292
- Huson, F.R. A 120-GeV superbooster for Fermilab 1-42789
- Hussain, M.A., Coffin, L.F., Zaleski, K.A. Three dimensional singular element 1-39688
- Hussein, S. Mahmoud *see* Mahmoud Hussein, S.
- Husseini, A. *see* Azam, A. 1-31062
- Husseini, A. *see* Unione, A. 1-31105
- Hussey, C.D. *see* Sammut, R.A. 1-46519
- Hussey, H., Keller, P. Electronic multiregister A64S 1-42061
- Hussy, K. Technical requirements, charges and tariff put upon heat pumps that are connected to the electricity network 1-34742
- Hust, J.G., Boscardin, R. Thermal conductivity of polyester-amide-imide film [for electrical insulation at low temperature] 1-40750
- Hustad, R. ALNET—a communications system for alarm applications 1-31844
- Husted, R.A. Opportunity for improved automotive engine efficiency 1-38893
- Huston, B. An 8-bit control-optimized CMOS microprocessor 1-27466
- Huston, J. *see* Jonckheere, A. 1-30300
- Hustwit, R.J. Telecommunications and the consumer 1-47429
- Huswitzer, R.B. *see* Harrison, C.G. 1-51237
- Huszarik, F.A. *see* Charlebois, L.J. 1-32454
- Husztly, G. Dimensioning first order PCM line sections 1-47506
- Hutchby, J.A. *see* Takeda, Y. 1-50774
- Hutcheson, J.M. Professional development through games and case studies 1-31782

- Hutchings, D.** *see* Holt, D. 1-46328  
**Hutchins, R.H.** *see* Stewart, G. 1-36970  
**Hutchinson, B.H., Jr.** *see* McKenzie, P.F. 1-29206  
**Hutchinson, B.H., Jr.** *see* Rhodes, R.R. 1-29698  
**Hutchinson, D.** *see* Cisneros, E. 1-34501  
**Hutchinson, I.H.** Polarization modulation of a sub-millimetre laser 1-51361  
**Hutchinson, J.M.S.** *see* Johnson, G. 1-52412  
**Hutchinson, M.** *see* Turner, F.T. 1-46084, 1-50891  
**Hutchinson, M.H.R.** *see* Hunter, W.R. 1-28748  
**Hutchinson, P.** *see* Robertson, M.J. 1-51467  
**Hutchinson, R.** Rotamode filter networks [TV transmitters] 1-47767  
**Hutchinson, W.K.** *see* Rhodes, R.R. 1-29698  
**Hutchison, J.L.** *see* Abrahams, M.S. 1-27890  
**Huth, G.C.** *see* Dabrowski, A.J. 1-34449  
**Huth, G.C.** *see* Iwanczyk, J.S. 1-34503  
**Huth, G.K.** *see* Weber, C.L. 1-29253  
**Hutt, H., Ussat, H.** Teleservice for TN PABX-s-remote programming 1-47489  
**Hutt, H., Ussat, H.** Teleservice for TN PABX-s-remote fault signalling and diagnosis 1-47490  
**Hutt, J.** *see* Chen, J.Z. 1-40686  
**Hutt, M.J.** Effluent treatment and water conservation in the printed circuit industry 1-45783  
**Huttemann, R.D., Readinger, R.R., Vallere, D.J., Herb, G.K., Moore, R.J.** Silicon tantalum integrated circuit processing 1-46291  
**Hutter, G., Angert, N.** Improvement of the 108 MHz RF-amplifiers for the Unilac Alvarez structure 1-48372  
**Hutton, A.** Present status of the LEP project 1-42875  
**Hutton, A.** The application of superconducting RF cavities to electron storage rings 1-48535  
**Hutton, P.H., Skorpik, J.R.** In-flight fatigue crack monitoring using acoustic emission 1-52872  
**Huu Danh Tran** *see* Tran Huu Danh  
**Huxtable, G.B.** *see* Dolley, P.E. 1-52650  
**Huynh, H.T.** *see* Cotillon, T. 1-38551  
**Huynh van Cong** Quantum efficiency for degenerate p-type photoluminescence and electroluminescence in GaAs crystals 1-37022  
**Huyse, M.** *see* Verplancke, J. 1-48546  
**Hvam, J.M., Brodsky, M.H.** Trap controlled dispersive transport by transient photoresponse in doped a-Si:H 1-28554  
**Hwang, C.J.** *see* Cotten, W. 1-42251  
**Hwang, D.H.** *see* Perloff, D.S. 1-40670  
**Hwang, F.K.** Optimal partitions 1-35840  
**Hwang, F.K.** *see* Chang, G.J. 1-39431  
**Hwang, H.L., Lin, J.Y., Yang, M.H., Maa, H.R., Sun, C.Y.** Heteroepitaxial growth of GaP layers on CuInS<sub>2</sub> and their characterization 1-45099  
**Hwang, H.L., Lin, W.J., Chang, H.J., Sun, C.Y.** Preparation of CuInS<sub>2</sub> on GaP grown by LPE 1-27118  
**Hwang, H.L., Liu, D.C., Lin, J.E., Loferski, J.J.** Numerical analysis of junction-depth effect in the grating-type Si solar cell 1-44364  
**Hwang, J.C.M.** *see* Wemple, S.H. 1-40588  
**Hwang, J.J.** *see* Hall, E.L. 1-47206  
**Hwang, J.J.** *see* McPherson, C.A. 1-48892  
**Hwang, Y.C.** *see* Naster, R.J. 1-32889  
**Hwang In Heon** *see* In Heon Hwang  
**Hwang Kab-Ju** *see* Kab-Ju Hwang  
**Hwang Tai-Yang** *see* Tai-Yang Hwang  
**Hwang Un Pah** *see* Un Pah Hwang  
**Hwang Yeongming** *see* Yeongming Hwang  
**Hyams, B.D.** *see* England, J.B.A. 1-48576  
**Hycnar, J.** The industrial utilization of fly-ash produced in power stations 1-30849  
**Hyde, D.** 30 years of high-voltage ripple frequency injection 1-38684  
**Hyde, D.W.** The DoD 'Fire and Forget' challenge 1-34300  
**Hyder, A.** Ion-implanted and bakeable silicon detectors 1-52689  
**Hyder, H.R.McK.** *see* Barratt, P.J.S.B. 1-43124  
**Hyder, S.** *see* Bandy, S. 1-40579  
**Hyder, S.B.** Vapor phase epitaxial growth of InP-based compound semiconductor materials 1-39795  
**Hyder, S.B.** *see* Escher, J.S. 1-36426  
**Hydes, A.F.** *see* Fountain, A.M. 1-34207, 1-34208, 1-34209  
**Hyland, S.** *see* Yoo, H. 1-35372  
**Hylen, J., Ming Ma, Z., Jawahery, A., Maruyama, T., Milburn, R.H.** Performance characteristics of large aperture, ten-cell atmospheric pressure isobutane Cherenkov counters 1-48583  
**Hylten-Cavallius, N.** *see* Malewski, R. 1-30827, 1-38838  
**Hyltin, T.M.** Using multiplexed liquid crystal displays 1-42698  
**Hyman, H.** Vapor phase soldering using high-temperature fluids 1-50000  
**Hyman, L.G.** *see* Aharonian, G. 1-33010  
**Hyman, N.L.** Solar absorptance degradation of the COMSTAR satellite centimeter-wave beacon thermal radiators 1-48771  
**Hyman, N.L.** *see* Hung, H.-L. 1-27293  
**Hyms, B.** Minimising corrosion in earth electrode systems 1-43777  
**Hynecek, J.** Virtual phase technology: a new approach to fabrication of large-area CCDs [imager applications] 1-36684  
**Hynecek, J.** *see* Younse, J.M. 1-26958  
**Hyo, K.** *see* Aoki, Y. 1-37662  
**Hyu Joon Eom** *see* Fung, A.K. 1-41211  
**Hywarren, E., Loly, P.D.** Video system for diffraction interference pattern display 1-38147  
**Hyzer, W.G.** High-speed video system provides instant images 1-52253  
**Iaconis, F.M.** Rapid determination of thermocouple time constant 1-34381  
**Iaconis, F.M.** An apparatus for fast and precise determination of a thermocouple time constant 1-48253  
**Iaconis, F.M.** Displacement transducer of high sensitivity derived from a stereophonic sound detector with moving magnet 1-48919  
**Iandiorio, J.S.** Technology transfer: what and from whom? 1-31816  
**Iannuzzi, M.** Development and evaluation of a pre-encapsulation cleaning process to improve reliability of HICs with aluminum-metallized chips 1-45838  
**Ianos, O.** *see* Sfichi, R. 1-49851  
**Iselli, P.** Defence problem against electromagnetic pulse effects produced by nuclear explosion 1-46956  
**Iazzi, F.** *see* Omini, M. 1-45145  
**Ibaragi, A.** *see* Yabuzaki, T. 1-46746  
**Ibaragi, O., Umezawa, Y., Nakano, K.** Packaging of highly integrated controller for mass storage system 1-27392  
**Ibaragi, O.** *see* Sugita, E. 1-45759  
**Ibaraki, T.** Exploring recent advances in mathematical programming. V. Fractional programming 1-32004  
**Ibaraki, Y.** *see* Shimamoto, S. 1-28369, 1-51118  
**Ibbetson, E.R.** Equipment variations influencing receiver protection 1-47739  
**Ibbett, R.N.** *see* Train, D.A. 1-42283  
**Iberl, H.** *see* Ryssel, H. 1-27782  
**Ibragimov, E.** *see* Gancev, R.A. 1-41147  
**Ibragimov, I.A., Radavichyus, M.E.** Probabilities of large deviations for maximum likelihood estimates 1-35789  
**Ibragimov, R.R.** *see* Meshcherskii, N.N. 1-42639  
**Ibragimova, E.N.** *see* Abdullaev, G.B. 1-32723  
**Ibragimova, E.N.** *see* Tagiev, B.G. 1-40419  
**Ibrahim, D.** T158/59 program for transmission lines 1-46968  
**Ibrahim, E.A.** *see* Walker, M.S. 1-31669  
**Ibrahim, I.H.** Digital capacitance meter 1-34330  
**Ibrahim, M.** *see* Phadke, A.G. 1-34949, 1-43785  
**Ibrahim, M.** *see* Saleh, M.A. 1-49492  
**Ibrahim, M.F.** *see* Samuel, R.J. 1-46920  
**Ibrahim, M.M., Alhaider, M.A.** Spectral filters of digital fibre-optic communication systems 1-33974  
**Ibrahim, M.** Marzouk *see* Marzouk Ibrahim, M.  
**Ibuki, K.** *see* Yoshinaga, K. 1-53582  
**Icardent, M., Blanc, M.** Static no break power supplies and associated protection systems 1-49035  
**Icardi, M.** *see* Bisio, G.R. 1-53552  
**Ichie, T.** *see* Arai, K. 1-29392  
**Ichie, T.** *see* Kashiwa, S. 1-29213  
**Ichihara, N.** *see* Odawara, G. 1-45773  
**Ichikawa, A., Kobayashi, S., Akama, K.** Fuzzy interval order and its representation theorem 1-50128  
**Ichikawa, A., Nakata, K., Komatsu, A., Kitazume, Y.** Conceptual system design for continuous speech recognition LSI 1-37469  
**Ichikawa, H.** *see* Ueda, M. 1-52961  
**Ichikawa, K.** *see* Seki, N. 1-53550  
**Ichikawa, M.** *see* Kenjo, T. 1-49466  
**Ichikawa, M.** *see* Sakai, H. 1-45868  
**Ichiki, S.K.** *see* Crowley, J.L. 1-46003  
**Ichinose, M., Maeda, R., Ito, S.** Short-term prediction of maximum usable frequency for radio communications over the Japan area 1-41238  
**Ichinose, Y.** *see* Taniguchi, R. 1-53369  
**Ichinowatari, K.** *see* Yoshida, K. 1-28454  
**Ichioaka, Y., Nakajima, N.** Iterative image restoration considering visibility 1-47235  
**Ichiraku, S.** *see* Matsumoto, T. 1-32148  
**Icole, J.** *see* Croset, M. 1-27934  
**Icough, M.** Improvements in technology for automatic drilling and routing of printed circuit boards 1-27697  
**Ida, A.A., Khan, S.A.** Integration of Chashma nuclear power plant into WAPDA system 1-38862  
**Ida, M., Mizutani, T., Asai, K., Uchida, M., Shimada, K., Ishida, S.** Fabrication technology for an 80-ps normally-off GaAs MESFET logic 1-36685  
**Ida, Y.** *see* Ujita, K. 1-53144  
**Ide, K.** *see* Yanagisawa, T. 1-52547  
**Ide, M.** Recent advances in ultrasonic diagnostic equipment 1-30569  
**Idelsohn, S.** *see* Geradin, M. 1-39679  
**Idemen, M., Felsen, L.B.** Diffraction of a whispering gallery mode by the edge of a thin concave cylindrically curved surface 1-46864  
**Ido, T., Iwata, R.** Application of positron emitted nuclides and labeled compounds to nuclear medicine 1-34596  
**Ieda, M., Mizutani, T., Ishii, K., Itoh, T., Takai, Y., Suzuoki, Y.** Carrier traps in vapor-deposited poly-p-xylylene films 1-32919  
**Ieda, M.** *see* Mizutani, T. 1-51036  
**Ieda, M.** *see* Sawa, G. 1-27884  
**Ieki, M.** *see* Yamamoto, O. 1-34160  
**Ieki, T.** *see* Kamada, H. 1-31856  
**Ierkic, H.M.** *see* Farley, D.T. 1-51608, 1-52941  
**Iga, A.** *see* Kayanuma, A. 1-29940  
**Iga, K., Wakao, K., Kunikane, T.** Mode reflectivity of tilted mirrors in semiconductor lasers with etched facets 1-46762  
**Iga, K.** *see* Coldren, L.A. 1-28741  
**Iga, K.** *see* Moriki, K. 1-46735  
**Iga, K.** *see* Oikawa, M. 1-40959  
**Igaki, S., Nakayama, N., Furukawa, Y.** Auto-registration technique in electron beam lithography 1-36547  
**Igarashi, H., Betoh, C., Okasaki, K.** Vapor phase diffusion of CuO into semiconductive BaTiO<sub>3</sub> ceramic and its application 1-40745  
**Igarashi, H., Higuchi, M., Okazaki, K.** Grain orientation and electrical properties of (Pb<sub>1-x</sub>Sr<sub>x</sub>) Bi<sub>2</sub>Nb<sub>2</sub>O<sub>7</sub> ceramics 1-40746  
**Igarashi, H.** *see* Okazaki, K. 1-36363  
**Igarashi, I.** *see* Takeuchi, M. 1-39186  
**Igarashi, M., Naito, Y.** Parallel component  $\mu_z$  of partially magnetized microwave ferrites 1-40788  
**Igarashi, M., Yokoyama, J., Iwamura, H., Mori, N., Matsubara, I., Saito, Y.** Composite fibre-optic overhead ground wire 1-34959  
**Igarashi, T.** Picture tracking system for simple structure using signal compression 1-52163  
**Igarashi, T.** *see* Osada, M. 1-36375  
**Igarashi, Y.** *see* Sakurazawa, S. 1-41849, 1-51881  
**Igarashi, Z.** *see* Fukumoto, S. 1-43049  
**Igelbuscher, H.** *see* Esche, M. 1-43884  
**Iglewicz, B.** *see* Martinez, J. 1-35763  
**Ignat, F.** *see* Berbece, C. 1-31000  
**Ignatenko, V.M.** *see* Pilipchuk, Yu.L. 1-48256  
**Ignat'ev, A.S.** *see* Burgov, V.Y. 1-28418  
**Ignat'ev, V.M., Ol'garenko, V.I.** Design algorithm for an internal economic water consumption plan 1-49848  
**Ignat'eva, N.V., Titov, Yu.M., Fedchenkov, K.A.** Colour image filtering in digital television systems 1-38024  
**Ignatjev, S.V.** *see* Andreev, A.T. 1-36870  
**Ignatov, A.N., Martyukhin, K.V., Nikiforov, V.V.** Electronic analog-signal switches 1-36303  
**Ignatov, A.N., Martyukin, K.V.** High-quality electronic switches for analog signals 1-40166  
**Ignatov, I.L., Popov, N.N., Venyavkina, E.A., Yakovlev, A.T.** Mathematical modelling of thermal operation of steel-smelting arc furnace 1-35526  
**Ignatowicz, S.** *see* Lesczynski, A. 1-30074  
**Ignesti, A.** *see* Bini, M. 1-34643  
**Ignizio, J.P.** Antenna array beam pattern synthesis via goal programming 1-29022  
**Igra, O.** Research and development for shrouded wind turbines 1-31138  
**Iguchi, J.** *see* Mori, K. 1-37782  
**Iguchi, S.** *see* Okuda, H. 1-37915  
**Igmenshschev, V.A.** *see* Salamatov, I.A. 1-39226  
**Ih, C.S.** Characteristics of and requirements for subnanometer-wavelength multiplexing 1-37943  
**Ihalainen, H.** On-line correction of measuring signal errors 1-29990  
**Ihara, H.** *see* Takahashi, M. 1-43424  
**Ihara, M., Arimoto, Y., Jifuku, M., Yamaoka, T., Kurokawa, K.** Spinell-insulated high-voltage ICs 1-28085  
**Ihara, S., Oouchi, K., Itai, Y., Nakamura, K., Nishi, S., Ooshio, A., Sone, T.** Development of water content-salt content concentration meter for concrete mixing plants [microcomputer control] 1-38103  
**Ihara, T., Furuhashi, Y.** Experimental study of frequency scaling of centimeter and millimeter wave rain attenuation 1-46897  
**Ihara, T.** *see* Furuhashi, Y. 1-33333, 1-43437  
**Ihara, T.** *see* Tanaka, H. 1-43356  
**Ihara, Y.** *see* Yasunobu, S.-I. 1-42130  
**Ihlefeldt, G., Rottmann, W.** Testing logic components and assemblies 1-47905  
**Iida, M.** *see* Sugita, K. 1-38155  
**Iida, M.** *see* Terziyski, V. 1-32725  
**Iida, S.** *see* Kurihara, H. 1-37151  
**Iida, T.** Satellite systems for land mobile communications 1-52087  
**Iida, T., Yamaya, K.** Satellite control system using real-time estimation-test technique 1-43407  
**Iida, T.** *see* Chino, M. 1-52684  
**Iida, T.** *see* Sakai, H. 1-45868  
**Iida, Y., Morita, M.** Amplification characteristics of injection-locked oscillator having an opposite phase self-injection circuit 1-39973

- Iida, Y., Yoshida, M., Yasuda, M., Satoh, Y. Specific illumination probe for digital multimeter 1-42662
- Iida, Y. *see* Endo, N. 1-46313
- Iida, Y. *see* Miyawaki, S. 1-45299
- Iida, Y. *see* Suzuki, K. 1-51021
- Iijima, K. *see* Odawara, G. 1-45773
- Iijima, S. *see* Matsuda, H. 1-33767
- Iijima, T. Decision method of expansion coefficients for finite Fourier series by partial sampling values 1-39490
- Iijima, T. A new theory of image reconstruction for computed tomography 1-43317
- Iijima, T. New type hollow cathode discharge tube with continuously variable voltage 1-45878
- Iijima, T., Sugawara, Y. Simple method of gain measurement in hollow-cathode 4924 Å He-Zn laser 1-41052
- Iijima, Y. *see* Takashima, H. 1-37853
- Iimura, O., Tachikawa, K., Mizuashi, K., Senemoto, S. A comprehensive study on an ISDN in Japan 1-29312
- Iio, M. *see* Akiyama, M. 1-51921
- Iio, M. *see* Hosoba, M. 1-43326
- Iisaku, S., Miki, N., Nagai, N., Hatori, K. Two queues with alternating service and walking time 1-39512
- Iizima, S. *see* Matsuda, A. 1-27926, 1-50797
- Iizima, S. *see* Sugi, M. 1-37006
- Iizima, S. *see* Tanaka, K. 1-45947
- Iizuka, K. Review of hologram matrix radars 1-28808
- Iizuka, N. *see* Endo, T. 1-39997
- Ijac, Gh., Besa, M., Potlog, D.M., Rugina, V., Macarie, S., Orza, T., Margineanu, A., Deac, Gh. The behaviour of the electric drive groups with asynchronous motors under voltage gaps 1-49451
- Ijzendoorn, P.R. *van see* van Ijzendoorn, P.R.
- Ikanowicz, O. *see* Barycka, I. 1-27909
- Ikari, T. *see* Shigetomi, S. 1-40992
- Ikebe, H., Nozuru, M. Automatic insertion of resistors leads to cost reductions 1-50683
- Ikebe, Y. *see* Chino, M. 1-52684
- Ikeda, G. *see* Aoki, T. 1-44172
- Ikeda, H., Ishi, K., Katch, T., Kamei, T., Kimura, Y., Kurokawa, S., Shibata, S., Takasaki, M., Takeda, S., Uchino, K. Design of the Control System of TRISTAN 1-42967
- Ikeda, H., Kurokawa, S., Takasaki, M., Hirabayashi, H. Control system of beam line magnets in KEK 1-42966
- Ikeda, H. *see* Ninomiya, S. 1-48464
- Ikeda, K., Kato, S., Watanabe, A., Saito, M. Microprocessor application for sleep monitoring and control 1-43288
- Ikeda, K. *see* Irie, T. 1-45491
- Ikeda, K. *see* Shimizu, H. 1-45339
- Ikeda, K. *see* Sumi, Y. 1-53526
- Ikeda, K. *see* Susaki, W. 1-37167
- Ikeda, K. *see* Suzuki, Y. 1-45298
- Ikeda, K. *see* Yanagiuchi, Y. 1-32976
- Ikeda, M. Spectral power handling capability caused by stimulated Raman scattering effect in silica optical fibers 1-40910
- Ikeda, M. Decentralized control with overlapping information sets 1-43565
- Ikeda, M., Teranishi, T., Honda, M., Yanari, T. Breakdown characteristics of moving transformer oil 1-39035
- Ikeda, M. *see* Asahi, H. 1-28719, 1-45079
- Ikeda, M. *see* Hara, E.H. 1-41019, 1-51274
- Ikeda, M. *see* Hosokawa, M. 1-48175
- Ikeda, M. *see* Imoto, N. 1-33041
- Ikeda, M. *see* Kawamura, Y. 1-45081
- Ikeda, M. *see* Murakami, Y. 1-36964
- Ikeda, M. *see* Shimazu, T. 1-43325
- Ikeda, M. *see* Takahashi, M. 1-43423
- Ikeda, M. *see* Teranishi, T. 1-39034
- Ikeda, M. *see* Uesugi, N. 1-40889
- Ikeda, N. *see* Suzuki, N. 1-33768
- Ikeda, S. *see* Osada, M. 1-36375
- Ikeda, S. *see* Shirakawa, H. 1-49650
- Ikeda, T., Ohta, N., Ishida, F., Sugita, Y. Growth and characterization of Al-substituted iron garnets for submicron diameter bubble films 1-32069
- Ikeda, T. *see* Hirabayashi, T. 1-43949
- Ikeda, Y. *see* Tateishi, K. 1-52519
- Ikegami, A. *see* Iwanaga, S. 1-48076
- Ikegami, G. *see* Matsumoto, T. 1-45230
- Ikegami, H. *see* Matoba, M. 1-34482
- Ikehara, S. Performance degradation of MP system by communications among processors 1-47398
- Ikehara, S. Performance degradation from inter-processor communications for multi-processor systems 1-51970
- Ikejiri, T. Arc resistance of synthetic resin in liquid insulator 1-46342
- Ikenoue, J. *see* Nakajima, M. 1-51213
- Ikenoue, J. *see* Onodera, H. 1-40969, 1-46581
- Iketani, T. *see* Iwahana, T. 1-49754
- Ikeuchi, M., Inoue, K., Sawami, H., Niki, H. Arbitrarily shaped hollow waveguide analysis by the  $\alpha$ -interpolation method 1-37353
- Ikezawa, T. *see* Gambe, H. 1-48016
- Ikoma, M. *see* Kurihara, I. 1-34748
- Ikoma, T. *see* Katsube, T. 1-46012
- Ikoma, T. *see* Ogura, M. 1-41033
- Ikoma, T. *see* Takikawa, M. 1-32656
- Ikonopisov, S. Theory of galvanoluminescence of valve metals 1-28565
- Ikura, Y. *see* Wen-lian Hsu 1-27002
- Ikuta, K. *see* Hoshikawa, K. 1-45907
- Il Kim Gi *see* Gi Il Kim
- Ilar, F. Innovations in the detection of power swings in electrical networks 1-38803
- Ilar, M. A new transformer differential relay and pilot wire relay from Brown Boveri 1-39015
- Il'chenko, L.G., Pashitskii, E.A., Romanov, Yu.A. Electrostatic potential of charges in layer systems with spatial dispersion 1-32716
- Ilcheva, A.I. *see* Dotsinski, I.A. 1-48767
- Illegems, M. Limits of microminiaturisation in microelectronics 1-28064
- Iles, J. Practical applications of fibre optics data transmission systems 1-29764
- Iles, M.K. Unified single-pass model of linewidths in the Hansch, single- and double-grating grazing-incidence dye lasers 1-28740
- Iles, P., Khemthong, S. Optical considerations in solar cell design 1-35388
- Iles, P. *see* Cheung, N.W. 1-53630
- Iles, P. *see* Yoo, H. 1-35372
- Iles, P.A. *see* Tarr, N.G. 1-53611
- Il'ganaev, B.I. *see* Shul'ts, L.A. 1-49280
- Ilic, D.D. Variable structure nonlinear quantum mechanical filter for a vector-valued system process with the semi-martingale decomposition 1-33428
- Ilic, I. DC machine with considerably reduced armature reaction 1-49482
- Ilic, R., Altstetter, C. Prompt ion-induced autoradiography and its application for the determination of deuterium 1-48634
- Il'ichev, V.Ya., Lototskaya, V.A. Strength and ductility of NT-50 superconducting cables at low temperatures 1-40846
- Il'icheva, E.I. *see* Shishkov, A.G. 1-28238
- Iliescu, S.S. *see* Borangiu, T. 1-48936
- Iliev, I.P. *see* Mitev, K.D. 1-48133
- Iliev, S.K. Comparative analysis of synchronous and asynchronous systems for data transmission 1-33709
- Il'in, M.A. *see* Bilenko, D.I. 1-42749
- Il'in, V.A., Fatykhov, K.Z., Etkin, V.S. Characteristics of a Josephson detector for the 1.5-cm range 1-28364
- Il'ina, O.Yu. *see* Gaidukova, I.S. 1-46841
- Il'inskii, A.S., Bykov, A.A. Numerical investigation of one model of an absorbing system in a waveguide 1-37345
- Il'inskii, N.F. *see* Yun'kov, M.G. 1-44394
- Il'kens, M.K. *see* Khramtsov, V.N. 1-28011
- Ille, B. *see* Burq, J.P. 1-52679
- Illyas, M. *see* Kalhor, H.A. 1-41216
- Ilmarinen, J. *see* Huhtanen, T. 1-42111
- Ilseanker, A. Overhead power lines and television reception 1-42386
- Ilse, H. *see* Gollnick, D. 1-33819
- Ilumoka, A., Maratos, N., Spence, R. Statistically based algorithms for the reduction of circuit performance variability 1-45192
- Ilumoka, A., Spence, R. Reduction of tolerance effects in the 2nd-order Sallen-Key filter 1-45476
- Il'yashchenko, V.S. *see* Mis'kevich, A.I. 1-33189
- Il'yashenko, E.L., Matveyev, S.N., Karmatskiy, N.I., Parinov, Ye.P. Measuring bubble-bubble interaction in gap tolerant circuits 1-28259
- Ilyushkin, V.A., Noskov, D.A., Shibaev, Yu.A. On the question of increasing current transfer through quadrupole filtering channels 1-38453
- Imada, H. *see* Yahagi, K. 1-28178
- Imae, M. VLBI and clock synchronization 1-52088
- Imagi, S. *see* Sakaki, Y. 1-40780
- Imai, H., Fujiya, H. Generalized tensor product codes 1-37413
- Imai, H., Hori, K.-I., Takusagawa, M., Wakita, K. Activation energy of degradation in GaAlAs double heterostructure laser diodes 1-51458
- Imai, H. *see* Ishikawa, H. 1-41086, 1-46724
- Imai, H. *see* Yano, M. 1-37106, 1-51459
- Imai, K. *see* Minegishi, K. 1-40709
- Imai, K. *see* Moriuchi, S. 1-30332
- Imai, M. Modal interference of laser light emitted from an optical fiber 1-51198
- Imai, N. *see* Hagiwara, E. 1-27597
- Imai, S. *see* Hagiwara, H. 1-47783
- Imai, S. *see* Kobayashi, T. 1-51805
- Imai, S. *see* Mori, S. 1-43697
- Imai, S. *see* Noguchi, T. 1-32999
- Imai, Y. The opening of Chitose Airport Station and the improvement of railway transportation in Hokkaido 1-49749
- Imai, Y., Ono, M., Ishijima, T. Automatic telecommunications surveillance equipment 1-52335
- Imaizumi, I., Kimura, M., Yoshimura, M., Yamaguchi, T. 150 V high voltage linear IC technology 1-40690
- Imamura, H., Kaneko, Y., Iwai, T., Ohtani, S., Okuno, K., Kobayashi, N., Tsurubuchi, S., Kimura, M., Tawara, H. Some characteristics of an electron beam ion source 1-52662
- Imamura, K., Hattori, T., Kosono, S. Voice quality improvement using compander and/or emphasis on frequency spectrum inverted secrecy system 1-47568
- Imamura, M.S., Moser, R.L., Sanders, J.A., Broadbent, S., Huraib, F., Khoshaim, B. 470 kW photovoltaic power system for Saudi Arabia villages 1-31112
- Imamura, O. *see* Ujita, K. 1-53144
- Imamura, O. *see* Yamada, M. 1-39026, 1-44181
- Imamura, T. Characteristics of Josephson interferometers for digital applications 1-46468
- Imamura, T. *see* Hasuo, S. 1-40861
- Imanishi, K. *see* Matsushima, H. 1-34156
- Imanishi, S. *see* Muranaka, N. 1-45401, 1-45404
- Imaoka, Y. *see* Watanabe, A. 1-40779
- Imase, M., Itoh, M. Design to minimize diameter on building-block network 1-41959
- Imbeaux, J.C. Performances of the delay-time multiplier circuit for clock and carrier recovery in digital satellite transmissions 1-47634
- Imber, Y., Savage, J.E. On the combinational and delay complexity of asymptotically good codes 1-33501
- Imbert, C. *see* Roosen, G. 1-33265, 1-41136
- Imecs, M. *see* Kelemen, A. 1-31523
- Imenitov, A.B., Klimenko, E.Yu., Kozitsyn, V.E., Novikov, S.I., Ozhogina, V.K. Measurement of the stability of overheated superconducting niobium-titanium wires 1-28278
- Imhof, A. Chemistry as promoter of electrical progress - a review 1-31395
- Imhof, A. Chemistry as promoter of electrotechnology. II. [PVC for electrical insulation applications] 1-32909
- Imhof, A. From the history of high-voltage switchgear units 1-44248
- Imlay, R. *see* Mueller, J.J. 1-34441
- Immarigeon, J.-P.A., Kandel, A.Y., Wallace, W., de Malherbe, M.C. A hot compression testing apparatus for the study of isothermal forging 1-45135
- Immendorfer, M. Microprocessor realization of a fast digital signal processor 1-29195
- Immink, K.A. Modulation systems for digital audio discs with optical readout 1-42492
- Immovilli, G. *see* Corazza, G. 1-29622
- Imori, M. Computer controlled table positioner 1-52728
- Imoto, H. *see* Itoh, S. 1-46712
- Imoto, K., Sumi, M. Modified VAD method for optical-fibre fabrication 1-46508
- Imoto, N., Ikeda, M. Polarization dispersion measurement in long single-mode fibers with zero dispersion wavelength at 1.5  $\mu$ m 1-33041
- Impecora, G. *see* Petrecca, G. 1-39160
- Imperiale, C., Imperiale, G. An efficient, low cost interface for renography 1-48678
- Imperiale, G. *see* Imperiale, C. 1-48678
- Impey, A.A. *see* Edwards, P.L. 1-37718
- Imran, M. *see* Salkind, A.J. 1-43342
- Imre Abos A new linear algorithm for the initial placement problem of the circuit layout design 1-45182
- Imry, Y. *see* Ben-Jacob, E. 1-40849
- Imry, Y. *see* Braniman, Y. 1-28329
- Imura, T. *see* Matsuda, A. 1-27926
- In Heon Hwang, Seung Ho Shin, Sang Soo Lee The UV output characteristics of the argon flash lamp used in optical pumping of iodine photodissociation laser 1-46688
- in 't Veld, S.H.K. *see* Bresser, O.R. 1-33071
- Inaba, F. *see* Sudoh, T. 1-47946
- Inaba, H. *see* Hamza, M. 1-34719
- Inaba, H. *see* Ito, H. 1-37113, 1-41104
- Inaba, H. *see* Suzuki, T. 1-33183, 1-33257
- Inaba, M., Nakagawa, H., Ujihira, Y. High temperature proportional counter designed for conversion electron Mossbauer spectrometry 1-30339
- Inaba, R. *see* Kasahara, Y. 1-36748
- Inaba, Y. *see* Kawanobe, T. 1-45832
- Inabe, Y. *see* Sakai, T. 1-28099
- Inada, H. *see* Fukunami, M. 1-43361
- Inada, H. *see* Fukushima, M. 1-43362
- Inada, H. *see* Shimazu, T. 1-43325
- Inada, K. Optical fiber manufacture 1-36875
- Inada, K. Effects of splices, connectors, and microbend losses on attenuation and dispersion in long fiber systems 1-42254
- Inada, K. *see* Sato, M. 1-40930
- Inada, K. *see* Takata, H. 1-46547
- Inada, K. *see* Yamauchi, R. 1-42255
- Inada, T., Taka, S., Hara, T. Ion implantation in indium phosphide 1-40509
- Inada, T., Taka, S., Yamamoto, Y. Selenium implantation in indium phosphide 1-50874
- Inada, T., Tokunaga, K., Taka, S., Yuge, Y., Kohzu, H. Selenium implantation in epitaxial gallium arsenide layers 1-36563
- Inada, T. *see* Kamae, T. 1-33760
- Inada, T. *see* Nishi, H. 1-46056
- Inada, T. *see* Ohnuki, Y. 1-40510
- Inade, K. *see* Miyamoto, M. 1-40941
- Inagaki, K., Tsuchida, Y., Sakai, T., Yajima, S. SIM/D: a logic simulator for hierarchical digital systems containing LSIs 1-50522
- Inagaki, K. *see* Goto, K. 1-41970

- Inagaki, K.** *see* Yuuki, H. 1-33364
- Inagaki, N.** Printed resistor circuits aid in mass production techniques 1-50682
- Inagaki, N.,** Eda, H., Nakahara, M. Recent progress in VAD fiber fabrication process 1-46526
- Inagaki, N.** *see* Nakahara, M. 1-36949
- Inagaki, S.** Periodic approach to space charge limit in proton linear accelerators 1-48433
- Inagaki, S.** *see* Fukumoto, S. 1-43049
- Inagaki, S.** *see* Takagi, K. 1-48337
- Inagaki, T.** *see* Furukawa, Y. 1-27750
- Inagaki, T.** *see* Nakashima, M. 1-45761
- Inahata, H.** *see* Mori, N. 1-28354
- Inami, K.** *see* Matsumoto, H. 1-35139
- Inami, M.** *see* Kawasaki, K. 1-34830
- Inamura, M.** *see* Hanaizumi, H. 1-33645
- Inan Chen** *see* Fang Chen Luo 1-42693
- Inao, S.,** Hoshikawa, M. Fiber optic cabling 1-37902
- Inatani, H.,** Furuya, I. A microprocessor controlled time code generator for an OBS system 1-34694
- Inatomi, H.,** Ohara, M. An interference-rejecting AM receiver 1-34057
- Inazumi, Y.** *see* Masugata, K. 1-43192
- Incullet, I.L.,** Castle, G.S.P., Menzies, D.R., Frank, R. Deposition studies with a novel form of electrostatic crop sprayer 1-37274
- Incullet, I.L.,** Hodgson, K.J., Kennon, J.L. Ignition hazards in electrostatic painting (a review) 1-53815
- Indebetouw, G.** Image processing with a Fabry-Perot interferometer 1-28551
- Indebetouw, G.** Density slicing with a real-time tunable spatial carrier 1-47241
- Indebetouw, G.** Unfocused optical correlator. I. Response of photographic matched filters 1-51244
- Indebetouw, G.,** Bernardo, L. Color coding of texture. An analog optical technique 1-41806
- Indebetouw, G.,** Case, S.K. Fabry-Perot filters used for optical preprocessing 1-36995
- Indiresan, P.V.** *see* Bahl, R. 1-42346
- Indiresan, P.V.** *see* Vyas, A.L. 1-37979
- Indo, H.** *see* Kaneda, T. 1-49838
- Indulkar, C.S.,** Kumar, P., Kothari, D.P. Sensitivity analysis of modal quantities for underground cables 1-49119
- Indulkar, C.S.,** Thiruvengadam, S. Carrier-frequency propagation in crossbonded cable systems 1-42151
- Indulkar, C.S.** *see* Tripathy, S.C. 1-34843
- Indzhia, F.I.** *see* Buchin, A.V. 1-41153
- Ingebrigtsen, K.A.** *see* Engan, H. 1-32937
- Ingel, R.P.** *see* Mohr, R.K. 1-28434, 1-46496
- Ingelman, G.** *see* Claesson, G. 1-34492
- Ingels, F.** *see* Calhoun, M. 1-42224
- Ingels, F.** *see* Koley, G. 1-41783
- Ingels, F.M.** *see* Schoggen, W.O. 1-42225
- Ingemarsson, I.** Knapsacks which are not partially solvable after multiplication modulo  $q$  1-33508
- Ingemarsson, I.** *see* Ericson, T.H.E. 1-51757
- Ingersoll, K.A.** *see* Johnson, L.F. 1-33078
- Inggs, M.** *see* Birand, M.T. 1-41416
- Ingle, V.K.** *see* Woods, J.W. 1-33685
- Ingold, G.** *see* Lettau, H. 1-38456
- Ingram, D.** Amateur radio frontiers—OSCAR satellites 1-37867
- Ingrey, S.,** Smith, G. Materials and device analysis 1-27195
- Inguscio, M.,** Ioli, N., Moretti, A., Moruzzi, G., Strumia, F. Optical pumping of FIR lasers by a tunable CW waveguide CO<sub>2</sub> laser 1-37065
- Ingersen, H.** *see* Huck, B. 1-38331, 1-48438
- Iniasta Lujan, F.** Electronic techniques for the detection of intruders 1-31849
- Inigo, R.,** Angulo, J.M., Gutierrez, J.L. Magnetic bubble memories. New support devices 1-46458
- Inigo, R.M.** CCD implementation of a matrix manipulator processor 1-47229
- Inigo, R.M.** The use of CCD devices in matrix manipulation processors 1-48026
- Inigo, R.M.,** McVey, E.S. CCD implementation of a three-dimensional video-tracking algorithm 1-33687
- Inigo Madrigal, R.** The switched capacitor filter: a completely integrated analogue filter 1-32339
- Iniguez, J.,** Rivas, J., Abellan, J. Influence of nickel on iron-deficient spinel ferrites 1-32964
- Injac, N.** *see* Sever, S. 1-35665
- Innami, Y.** Abatement of electromagnetic noise of vacuum interrupters 1-39084
- Innami, Y.,** Yanagisawa, H., Fujii, E., Kanazashi, M. Abatement of electromagnetic noise of vacuum interrupters 1-39096
- Ino, M.,** Hirayama, M., Ohmori, M. Analysis for optimum threshold voltage and load current of E-D-type GaAs DCFL circuits 1-45361
- Ino, M.,** Kurumada, K., Ohmori, M. Threshold voltage margin of normally-off GaAs MESFET in DCFL circuit 1-36690
- Ino, M.** *see* Ishii, Y. 1-36626
- Inoda, M.** *see* Sasaki, A. 1-33092
- Inoguchi, T.** *see* Takeda, M. 1-41028
- Inose, H.** *see* Motoyama, S. 1-47500
- Inose, H.** *see* Ogino, N. 1-41848, 1-47280
- Inose, H.** *see* Saito, T. 1-41822
- Inoue, E.** *see* Khe, N.C. 1-33109
- Inoue, E.** *see* Nishio, Y. 1-33108
- Inoue, E.** *see* Oda, S. 1-46619
- Inoue, E.** *see* Shimizu, I. 1-46608, 1-46612
- Inoue, E.** *see* Shizukuishi, M. 1-28525, 1-28526
- Inoue, H.** *see* Matsushima, H. 1-34156
- Inoue, H.** *see* Morishita, M. 1-34082
- Inoue, H.** *see* Paciotti, M. 1-52637
- Inoue, H.** *see* Sone, H. 1-38160
- Inoue, H.** *see* Takahashi, S. 1-52544
- Inoue, H.** *see* Umegaki, S. 1-36984
- Inoue, H.** *see* Yanase, T. 1-46453
- Inoue, K.,** Wada, H., Kuroda, T., Tachikawa, K. Stress effects on superconducting properties of the composite-processed V<sub>2</sub>(Hf,Zr) 1-40844
- Inoue, K.** *see* Ikeuchi, M. 1-37353
- Inoue, K.** *see* Kasahara, K. 1-42694
- Inoue, K.** *see* Kumamoto, H. 1-26887, 1-39443
- Inoue, K.** *see* Sayama, H. 1-39359
- Inoue, M.** Simple estimation of focusing properties of a separated sector cyclotron with a soft-edge and non-zero gradient field 1-43033
- Inoue, M.** *see* Fukunami, M. 1-43361
- Inoue, M.** *see* Fukushima, M. 1-43362
- Inoue, M.** *see* Shimazu, T. 1-43325
- Inoue, M.** *see* Shirafuji, J. 1-50776
- Inoue, M.** *see* Yamakawa, C. 1-51348
- Inoue, N.** *see* Ueda, J. 1-29369
- Inoue, S.,** Togashi, J., Shibata, M. An analysis of wire breaks during drawing 1-27161
- Inoue, S.,** Uno, N., Konuma, M. The influence of impurity on recrystallization in copper 1-27162
- Inoue, S.** *see* Ogawa, K. 1-32084
- Inoue, S.** *see* Uno, N. 1-27163
- Inoue, T.** Methods of accident analysis and case histories 1-26889
- Inoue, T.,** Kaituka, T. K-band tracking system for domestic satellite communication system 1-52081
- Inoue, T.,** Nakanishi, H., Sanada, H., Tezuka, Y. On packet length distributions within a message and within a network 1-47284
- Inoue, T.,** Ueno, F., Oota, I. A new switched-capacitor transformer and its analysis 1-32154
- Inoue, T.** *see* Clark, R.F. 1-48189
- Inoue, T.** *see* Isoya, A. 1-38407
- Inoue, T.** *see* Nakamura, H. 1-45823
- Inoue, T.** *see* Sugiyama, Y. 1-33552
- Inoue, T.** *see* Ueno, F. 1-40061
- Inoue, T.** *see* Watanabe, Y. 1-29681
- Inoue, T.** *see* Yamakawa, T. 1-36226
- Inoue, Y.,** Ueda, Y. Analysis of a self-oscillatory system containing dead time by averaging method 1-39876
- Inoue, Y.** *see* Hirano, J. 1-42024
- Inoue, Y.** *see* Mitsui, H. 1-53365
- Inoue, Y.** *see* Terase, H. 1-44042
- Inoue, Y.** *see* Uematsu, M. 1-42593
- Inouye, L.Y.** *see* Biess, J.J. 1-30530
- Inozemtsev, N.N.** *see* Vinokurov, V.A. 1-49744
- Inozemtsev, V.G.** Braking control of trains of 10000 tons weight 1-53729
- Instone, T.** *see* Eaves, L. 1-33122
- In't Veld, J.K.** Above-ground and underground civil engineering work for OPAC 1-49341
- Intichar, L.** Adiabatic calculation of quench temperature—a simple method for dimensioning the protection circuit of a superconducting magnet 1-51134
- Inufushi, T.** *see* Chiba, T. 1-46267
- Inui, N.,** Kikuchi, H., Sakai, T. 16-bit C-MOS processor packs in hardware for business computers 1-40013
- Inui, Y.** *see* Yamaguchi, M. 1-31289, 1-39036
- Inuishi, M.,** Wessels, B.W. Deep hole traps in VPE p-type InP 1-50773
- Inuishi, Y.** *see* Gi Il Kim 1-51255
- Inuishi, Y.** *see* Jeong, M.U. 1-40462
- Inuishi, Y.** *see* Murakami, Y. 1-28372
- Inuishi, Y.** *see* Shirafuji, J. 1-40869, 1-50776
- Inuishi, Y.** *see* Yoshino, K. 1-51258
- Inukai, T.,** Campanella, S.J. Onboard clock correction for SS/TDMA and baseband processing satellites 1-47579
- Inushima, T.,** Uchinokura, K., Matsuura, E., Okamoto, A. A low temperature phase transition in SbSBr 1-28163
- Invernizzi, S.** Surjectivity of perturbations of Fredholm mappings using semi-inner-products 1-35906
- Ioachim, D.** *see* Botez, C. 1-39208
- Ioffe, A.D.** Approximate subdifferentials of numerical functions 1-45023
- Ioffe, V.Yu.** *see* Pokhoriler, V.L. 1-49283
- Ioli, N.** *see* Inguscio, M. 1-37065
- Ion, N.** *see* Dimo, P. 1-30600
- Ion, R.** *see* Dimo, P. 1-30600
- Ionel, C.** *see* Gheorghe, G. 1-28835
- Ionesco, S.** Energy saving in industrial lighting 1-35506
- Ionescu, A.** *see* Apostol, D. 1-51543
- Ionescu, G.** *see* Preda, M. 1-36051
- Iordache, M.** Generalization of the topological formulae with homogeneous parameters 1-36029
- Iordache, M.,** Colteanu, M., Voicu, N. Considerations upon the combinatorial analysis in resistive electric nonlinear circuits 1-36059
- Iordache, M.,** Socaciu, V. A method for tree generation without duplication [circuit analysis computing] 1-36030
- Iordache, M.** *see* Niculescu, N. 1-49251
- Iordache, M.** *see* Preda, M. 1-45160
- Iordanescu, S.,** Corici, S. Power amplifier—2 W—in the microstrip technique for the band of 1.9-2.1 GHz 1-45644
- Iordanishvili, E.K.** *see* Borisov, S.N. 1-49667
- Iordanishvili, E.K.** *see* Gorodetskii, S.M. 1-31472
- Iorgov, V.I.** *see* Dodunekov, S.M. 1-29097
- Ioriatti, E.** *see* Sanger, P.A. 1-28286
- Iorio-Fili, D.** *see* Carli, B. 1-48084
- Iost, V.A.** Float type flowmeter for aggressive and dirty gases 1-38174
- Iota, C.** *see* Mugioiu, F. 1-29974
- Iova, I.** *see* Dobre, M. 1-32538
- Ipatov, V.P.** *see* Evstaf'ev, E.N. 1-45448
- Ippen, E.P.,** Eilenberger, D.J., Dixon, R.W. Picosecond pulse generation with diode lasers 1-28734
- Ippolito, L.J.** Radio propagation for space communications systems 1-37311
- Ipri, A.C.** Evaluation of CMOS related design rules 1-28115
- Iqbal, M.Z.** A thyristor booster supply 1-53535
- Iq'een, J.** *see* Hashmi, J. 1-38861
- Iqleem, J.** *see* Jafri, M.N. 1-38860
- Iqleem, J.** *see* Siddiqui, Z.-ul-H. 1-38858
- Irabu, T.** *see* Sekine, M. 1-37959, 1-47708
- Irelan, V.G.** *see* Priddy, R.W. 1-28826
- Ireland, P.J.** *see* Chu, T.L. 1-36476
- Ireland, P.J.** *see* Kazmerski, L.L. 1-49691
- Iri, M.** *see* Recski, A. 1-27226
- Iribarnegaray, L.S.** Photovoltaic solar station: DC/DC converter design for maximum power tracking point 1-35101
- Iribarnegaray, L.S.,** Rodriguez, A.A. Converter influences on the speed regulation method of an asynchronous motor by means of field orientation process 1-53444
- Irie, G.** *see* Suzuki, S. 1-38493
- Irie, H.** PLL gate signal generator with feed-forward control for phase-controlled rectifiers 1-32164
- Irie, K.** *see* Murakami, H. 1-52078
- Irie, K.** *see* Suzuki, T. 1-46178
- Irie, T.,** Ikeda, K., Tomita, Y., Honda, S. Thermal characteristics of current feedback type active band-pass filter 1-45491
- Irie, T.** *see* Kaneda, T. 1-49838
- Irie, T.** *see* Nakanishi, H. 1-51256
- Irie, T.** *see* Usujima, A. 1-45961
- Irikov, V.A.** *see* Burkov, V.N. 1-26859
- Irimata, A.** *see* Ohmori, S. 1-51663
- Irimon, M.** *see* Fill, E. 1-37067
- Irisarri, G.D.,** Sasson, A.M. An automatic contingency selection method for on-line security analysis [power systems] 1-34773
- Irisarri, G.D.,** Sasson, A.M. An automatic contingency selection method for on-line security analysis 1-38709
- Irisawa, J.** *see* Masugata, K. 1-43192
- Iriyama, K.** *see* Sugii, M. 1-37006
- Irkaev, S.M.** *see* Avcnirov, A.K. 1-52709
- Irla, H.** *see* Fesquet, J. 1-28680, 1-46771
- Irmer, K.** *see* Bohne, H. 1-53697
- Irmer, T.** From analog to digital networks [telecommunication] 1-29292
- Irniger, F.** *see* Hauser, H. 1-42062
- Ironsides, C.N.,** Denning, R.G. Signal averaging using a Biomation 8100 waveform recorder and Z80 microcomputer system 1-30064
- Ironsides, J.M.,** Stubbs, P.W.R. Continuously variable transmission control 1-31626
- Irrgang, E.** Effects of temperature on semiconductor photoelectric transducer and their elimination: reflection-photoplethysmograph as an example 1-51266
- Irsic, A.,** Orel, A. Two step adaptation delta modulator (TSADM) 1-37398
- Irskii, G.L.** Highly effective light sources for motion picture and TCTV studios 1-31651
- Irvén, J.,** Harrison, A.P. Single-mode and multimode fibers CO-doped with fluorine 1-36905
- Irvin, J.A.,** Quickenden, T.I., Sangster, D.F. Criterion of goodness of fit for deconvolution calculations 1-26978
- Irvin, J.C.** *see* Wemple, S.H. 1-40588
- Irvine, S.J.C.,** Mullin, J.B. A study of the growth of HgTe from the vapour 1-39748
- Irving, D.H.,** Donaghy, F.A., Sabine, P.V.H. Fibre light acceptance for modified near field technique 1-28444
- Irving, D.H.,** Karbowski, A.E. Power coupling between core and cladding of an optical fibre and its effect on measurements 1-51181
- Irving, E.,** Bihoreaux, C. Adaptive control of non-minimum phase systems application to the PWR steam generator water level control 1-30919
- Irving, E.** *see* Barret, J.P. 1-35151
- Irving, L.D.** *see* Jones, G.R. 1-50331
- Irwin, D.A.** A guided tour of Washington's governmental telecommunications infrastructure 1-33717
- Irwin, G.W.** Further results on predicting the maximum-likelihood performance of an unknown channel 1-47088

- Irwin, J. *see* Steel, B. 1-27530
- Irwin, M.R., Ela, J.D. US telecommunications regulation 1-29265
- Isaac, R.D. *see* Hickmott, T.W. 1-46009
- Isaac, R.D. *see* Ning, T.H. 1-51000
- Isaac, W. *see* Lorig, T.S. 1-32359
- Isaacs, E.D. *see* Heritage, J.P. 1-51494
- Isaacs, H.S. *see* Russel, P.G. 1-35349
- Isaacson, E., Zwas, G. Mountain winds revisited 1-35915
- Isachenko, V.I., Basin, Yu.G., Grits, Yu.A. Optimising the efficiency of the transformers of static voltage converters with variable loads 1-31337
- Isachenko, V.I., Grits, Yu.A., Basin, Yu.G. Calculation of the optimum number of cells for maximum efficiency of adapted voltage converters 1-49540
- Isaev, F.K., Kadzhar, Ch.O., Kuliev, V.A., Mamedbelli, I.A., Salaev, E.Yu., Feldbaum, M.R. Heterodyne response limit of photoreceiver accepting the radiation modulated by electrooptical modulator 1-33085
- Isaev, S.K., Kornienko, L.S., Kravtsov, N.V., Serkin, V.N. Sliding pump method for generation and amplification of ultrashort light pulses 1-51520
- Isaev, S.K. *see* Zabelin, A.M. 1-46759
- Isagawa, S. RF superconducting properties of reactively sputtered NbN 1-36842
- Isailovic, J. Binary data transmission through TV channels by equivalent luminance signal 1-29151
- Isakov, V.N. *see* Arkushin, V.P. 1-31303
- Isaksen, L., Ma, F.S., Simons, N.W. Bibliography on load management 1-34787
- Isaksen, L., Ma, F.S., Simons, W. Bibliography on load management 1-43534
- Isaksson, A., Wennberg, A., Zetterberg, L.H. Computer analysis of EEG signals with parametric models 1-30460
- Isayenko, Yu.M., Malin, V.V. The basic parameters of bimetallic waveguides for radio-relay links for the 6 GHz band 1-40212
- Isbell, T.D., Giles, M., Gross, W.H., Wright, J.W. Benefits of noise reduction systems in automotive radios 1-29890
- Ischebeck, F. *see* Colliot-Thelene, J.-L. 1-44912
- Iscoe, S., Young, R.A. Microprocessor-based instantaneous frequency meter [for neural discharge rate measurement] 1-52774
- Iseler, G.E. Liquid-encapsulated Czochralski growth of InP crystals 1-39753
- Iserles, A. Rational interpolation to  $\exp(-x)$  with application to certain stiff systems 1-32019
- Iserles, A. Two-step numerical methods for parabolic differential equations 1-35899
- Isett, L.C. Reply to "Comment on 'I-V and C-V characteristics of Cr[H-Pc]/Cr organic sandwich cell'" 1-50845
- Ischchuk, T.B. Local head losses in water lines for industrial water supply in electric power plants 1-31028
- Ishi, K. *see* Ikeda, H. 1-42967
- Ishibashi, K. *see* Matsumura, M. 1-42540
- Ishibashi, R. *see* Takashima, T. 1-38812, 1-38819
- Ishibashi, T. InP MESFET with  $\text{In}_{0.53}\text{Ga}_{0.47}\text{As}$ /InP heterostructure contacts 1-28019
- Ishibashi, T. *see* Sasaki, A. 1-33092
- Ishibashi, T. *see* Suzuki, K. 1-42689
- Ishibashi, Y. Low-pass filter using impedance transformation 1-45496
- Ishida, A. *see* Yamamoto, M. 1-40864
- Ishida, F. *see* Ikeda, T. 1-32069
- Ishida, G. *see* Kobayashi, K. 1-46386
- Ishida, K. *see* Miura, T. 1-34135
- Ishida, M., Hayashi, K., Ueda, M. A speed detection method of squirrel-cage induction motor utilizing rotor slot-harmonics in the air gap and its application to slip frequency control 1-35166
- Ishida, M., Ohya, H., Sasaki, S., Tasuda, Y., Nishinaga, T., Nakamura, T. Epitaxial growth of SOS films with amorphous Si buffer layer 1-45090
- Ishida, S., Fukunaga, T., Kinosada, T., Murase, K. Carrier localization and impurity band conduction in GaSe 1-45967
- Ishida, S. *see* Ida, M. 1-36685
- Ishida, T., Fujiwara, T., Fujiki, N. Development of an automotive microcomputer control system using a hybrid computer 1-39173
- Ishida, T. *see* Matsumoto, T. 1-39781
- Ishida, Y. Optical cable design and installation 1-37901
- Ishida, Y. Characteristics and problems of microprocessor control in speech synthesizer and speech trainer 1-47153
- Ishida, Y. *see* Katsuyama, Y. 1-33981
- Ishida, Y. *see* Mitsunaga, Y. 1-36890, 1-46514
- Ishida, Y. *see* Takeshima, M. 1-28453, 1-46543
- Ishigai, H. *see* Nakano, T. 1-42450
- Ishigaki, M. *see* Kishimoto, K. 1-36794
- Ishiguro, H. *see* Yamada, M. 1-46747
- Ishiguro, T., Hayashi, M. Packaged air-cooled centrifugal chiller 1-49816
- Ishihara, K. A finite element lumped mass scheme for solving eigenvalue problems of circular arches 1-32031
- Ishihara, K. Attenuation increase due to imperfection in coated optical fibers at low temperature 1-46542
- Ishihara, K., Uchida, N. Relation between lateral force and excess loss increase in coated optical fibers 1-40922
- Ishihara, K. *see* Horima, H. 1-28456
- Ishihara, K. *see* Kurihara, I. 1-34748
- Ishihara, K. *see* Miyajima, Y. 1-51169
- Ishihara, K. *see* Yonechi, S. 1-32440
- Ishihara, O., Kadowaki, Y., Nakatani, M., Nara, A., Shirahata, K. A 30 GHz-100 mW GaAs FET 1-45680
- Ishihara, O. *see* Mori, T. 1-45679
- Ishihara, S., Shimada, J., Sakurai, K. Optical computer 1-51858
- Ishihara, T. *see* Hiramatsu, T. 1-27880
- Ishihara, T. *see* Seki, S. 1-42848
- Ishihara, Y., Nakada, I. Electrical conduction of GeSe at low temperatures 1-40436
- Ishii, C. *see* Kato, M. 1-45214
- Ishii, C. *see* Yamaguchi, Y. 1-46476
- Ishii, I., Noguchi, T. Surface flashover strength in supercritical helium 1-36702
- Ishii, K., Fujioka, M., Orihara, H., Shinozuka, T., Sera, K., Morita, S., Maruyama, M., Tsuji, Y. An apparatus for measuring the beam emittance of the Tohoku AVF cyclotron 1-48324
- Ishii, K. *see* Ieda, M. 1-32919
- Ishii, M., Ito, Y., Iwasaki, M., Yamamoto, M., Kodama, S. Automatic input and interactive editing systems of logic circuit diagrams 1-45430
- Ishii, M. *see* Nagahama, K. 1-46086
- Ishii, M. *see* Omura, E. 1-33245
- Ishii, N., Katano, K., Iwata, A., Suzumura, N. Classification of the time series by distance measures 1-37538
- Ishii, S. *see* Murata, K. 1-29905, 1-29906, 1-29907
- Ishii, T. *see* Kozawa, T. 1-46251
- Ishii, T. *see* Mitsui, Y. 1-28021
- Ishii, T. *see* Suzuki, T. 1-40600
- Ishii, T. *see* Yamada, M. 1-39026, 1-44181
- Ishii, Y., Asa, K., Ino, M., Kobayashi, M., Kurumada, K. Direct-coupled logic operation of GaAs column gate FET 1-36626
- Ishii, Y., Satoh, I., Ohta, S., Hattori, S. Read/write characteristics of sputtered  $\gamma\text{-Fe}_2\text{O}_3$  thin film disks 1-36825
- Ishii, Y. *see* Asai, K. 1-46158
- Ishijima, T. *see* Imai, Y. 1-52335
- Ishijima, T. *see* Morimoto, M. 1-40050
- Ishikawa, F., Yamada, C., Ueki, Y., Matsushita, T. A 30 MHz photodetector with a heterojunction monolithic preamplifier 1-30137
- Ishikawa, H., Hanamitsu, K., Takagi, N., Fujiwara, T., Takusagawa, M. Separated multilayer stripe-geometry GaAlAs DH laser 1-41092
- Ishikawa, H., Imai, H., Tanahashi, T., Nishitani, Y., Takusagawa, M., Takahei, K. V-grooved substrate buried heterostructure InGaAsP/InP laser 1-41086
- Ishikawa, H., Imai, H., Tanahashi, T., Takusagawa, M. Longitudinal mode behavior of transverse-mode-stabilized InGaAsP/InP double-heterostructure laser 1-46724
- Ishikawa, H. *see* Ito, T. 1-27867
- Ishikawa, H. *see* Yamamura, S. 1-45661
- Ishikawa, H. *see* Yokoyama, N. 1-28135
- Ishikawa, K. Hardcopy technologies in Japan 1-48156
- Ishikawa, K., Hashimoto, S., Sone, Y., Kunii, T. Color reproduction of a single chip color camera with a frame transfer CCD 1-34081
- Ishikawa, K. *see* Fukushima, M. 1-43362
- Ishikawa, K. *see* Takeda, H. 1-33761
- Ishikawa, M. *see* Ohwada, N. 1-51897
- Ishikawa, S., Seno, A., Hayakawa, K., Watanabe, F. Toshiba insulating material processing equipment 1-49843
- Ishikawa, S., Ueda, S., Nakamura, K. Development of optical modem 1-29747
- Ishikawa, S. *see* Sugai, T. 1-29977
- Ishikawa, T. *see* Kawasaki, K. 1-34830
- Ishikawa, T. *see* Kitao, M. 1-32661
- Ishikawa, T. *see* Matsuda, H. 1-33767
- Ishikawa, T. *see* Okajima, M. 1-48723
- Ishikawa, T. *see* Segawa, T. 1-31010
- Ishikawa, Y. *see* Wakino, K. 1-47571
- Ishikura, S. *see* Nakamura, T. 1-51026
- Ishimaru, A., Cheung, R.L.-T. Multiple scattering effects on wave propagation due to rain 1-28873
- Ishimaru, A. *see* Yano, S. 1-28978, 1-51713
- Ishimaru, H., Horikoshi, G., Kimura, Y. New all aluminum alloy vacuum system for the TRISTAN  $e^+e^-$  storage accelerator 1-42836
- Ishimaru, H. *see* Takata, K. 1-48337
- Ishimaru, T. *see* Nishimatsu, E. 1-37847
- Ishimatsu, T. *see* Fujioka, M. 1-48328
- Ishimi, K. *see* Kuwahara, M. 1-43324
- Ishimoto, S. *see* Fukushima, M. 1-43362
- Ishio, H. *see* Horiguchi, T. 1-42238
- Ishitsuka, A. *see* Miyazaki, T. 1-48165
- Ishiwara, H. *see* Asano, T. 1-40502
- Ishiwara, H. *see* Saitoh, S. 1-40452
- Ishiyama, Y., Ebe, M., Homma, I. Non-cephalic reference electrode method in EEG recording—elimination of ECG artifacts mixed in EEG 1-30455
- Ishizawa, K., Ito, S., Maeda, R. Equipment and results of ionospheric modulation experiment due to LORAN-A radio wave 1-51614
- Ishizone, T. *see* Martin, M.A. 1-47009
- Ishizuka, T. *see* Furukawa, Y. 1-27750
- Ishmukhametov, A.Z., Potapov, M.M. Matching of regularization parameter with step of difference net 1-50259
- Ishutkin, Yu.M. Application of accidental fluxes theory for analysis to sound track noise 1-42484
- Isigame, M. *see* Abe, M. 1-52960
- Isikawa, Y. *see* Kasaya, M. 1-27844
- Isiminger, R. *see* May, M. 1-43083
- Iskander, M.F., Maini, R., Durney, C.H. Microwave imaging: numerical simulation and results 1-48694
- Iskander, M.F., Massoudi, H., Durney, C.H., Allen, S.J. Measurements of the RF power absorption in spheroidal human and animal phantoms exposed to the near field of a dipole source 1-30481
- Iskander, M.F., Tyler, A.L., Elkins, D.F. A time-domain technique for measurement of the dielectric properties of oil shale during processing 1-38276
- Iskander, M.F. *see* Lakhtakia, A. 1-43385, 1-51590
- Iskander, M.F. *see* Massoudi, H. 1-48757
- Iskanderov, A.Sh. *see* Gerberg, A.N. 1-48850
- Iskhakov, A.S., Pridatkov, A.G. Mathematical model of a rectifier 1-49553
- Isla, E. An electronic microammeter for very weak currents 1-30177
- Ismael, N.F., Klym, T.W. Lateral capacity of augured tower foundations in sand 1-43757
- Ismail, A. *see* Palau, J.M. 1-32695
- Ismail, I.A. *see* Nawara, G.M. 1-44543
- Ismail, M., Kim, H.K. Active phase-compensated circuits for notch-type biquads 1-45517
- Ismail, M.G., Clarke, R.J. Facsimile compression using a classified adaptive block/run-length coding scheme 1-29113
- Ismail, M.G.B., Clarke, R.J. Adaptive block/localization coding of facsimile signals using subsampling and interpolation for pre- and post-processing 1-51936
- Ismail Abdel-latif, A., Tweedie, A.T. Subcritical crack growth behavior of alumina-filled polyurethane resin in bulk and at various ceramic and metal interfaces 1-50723
- Ismail Abdel-latif, A., Vichnin, H.H., Tweedie, A.A. Use of fracture mechanics methods to predict life expectancy in a viscoelastic potted electronic module 1-50722
- Ismailov, A.T. *see* Andreyev, G.A. 1-33355
- Ismailov, G.M. *see* Ismailov, T.K. 1-42623
- Ismailov, I.M., Kurbanov, E.M., Tagirov, V.I. Thermally stimulated conductivity of InS 1-32669
- Ismailov, Sh.S. *see* Aliev, S.A. 1-32667
- Ismailov, T.K., Mekhtiev, A.Sh., Badalov, A.Z., Skvortsov, I.N., Masimov, A.Z., Ismailov, G.M. The investigation of the accumulative work regime of MISIM structures as the radiative receivers 1-42623
- Ismatullae, P.R., Grinval'd, A.B. Measurement of the humidity of cottonseeds and cottonseed products using UHF methods 1-34405
- Ismatullae, P.R. *see* Azimov, R.K. 1-34261
- Isobe, A. *see* Miwa, S. 1-52126
- Isobe, M., Uchida, Y., Maeguchi, K., Mochizuki, T., Kimura, M., Hatano, H., Mizutani, Y., Tango, H. An 18 ns CMOS/SOS 4K static RAM 1-27469
- Isobe, M. *see* Mizutani, Y. 1-40710
- Isogai, M. *see* Nakano, F. 1-51233
- Isogai, S. *see* Morita, M. 1-27129
- Isogai, T. *see* Suzuki, K. 1-42689
- Isomae, S. *see* Tamaki, Y. 1-32767
- Isomichi, Y. Inverse-quantization method for digital signals and images—area-approximation type 1-41736
- Isomura, K. *see* Kaneda, T. 1-49838
- Isomura, T. *see* Funakubo, H. 1-28840
- Isono, A. *see* Goto, M. 1-35140
- Isoya, A., Inoue, T. A proton source for the high-intensity Lamb-shift-type polarised ion source 1-38407
- Isozaki, T. *see* Miyazaki, N. 1-43875
- Ispas, I., Mester, A., Muscalu, S., Negreanu, M., Vioreanu, Gh. Behaviour of some silicon bipolar transistors irradiated with thermal neutrons 1-40560
- Israel, H. Signal extraction from noise. The lock-in amplifier 1-45292
- Israel, M.H. *see* Binns, W.R. 1-48604
- Israeli, M. *see* Neishlos, H. 1-39681
- Issa, N.A.H. A single phase induction motor variable speed drive 1-53709
- Issinsky, I.B. *see* Baldin, A.M. 1-42889, 1-48569
- Istev, K. Generation of causal series 1-39558

- Isyanova, E.D.** *see* Bareika, B. 1-28787
- Itai, Y.** *see* Ihara, S. 1-38103
- Itaka, K.** *see* Mori, S. 1-43697
- Itakura, F.** *see* Sagayama, S. 1-33582
- Itakura, F.** *see* Sugamura, N. 1-41546
- Itakura, H.** *see* Toyoda, H. 1-27953
- Itakura, Y.**, Sugimura, A., Tsutsumi, S. Amplitude-modulated reticle constructed by a liquid crystal cell array 1-51231
- Itami, K.** *see* Fujii, T. 1-45128
- Itaya, Y.**, Arai, S., Kishino, K., Asada, M., Sucmatsu, Y. 1.6  $\mu$ m wavelength GaInAsP/InP lasers prepared by two-phase solution technique 1-37108
- Itaya, Y.** *see* Arai, S. 1-37109
- Itaya, Y.** *see* Asada, M. 1-37105
- Iticsohn, P.** High temperature circuits: limit is at 300°C 1-36649
- Iticsohn, P.** The ICL 7650: a sophisticated and inexpensive chopper type op-amplifier 1-39943
- Iticsohn, P.** Texas Instruments enter the custom mask-programmed logic field (pre-diffusion) 1-40031
- Iticsohn, P.** High resolution D/A converters 1-45583
- Iticsohn, P.** High resolution A/D convertors 1-50599
- Ito, A.** *see* Hanson, J. 1-34445
- Ito, A.** *see* Sakai, Y. 1-34448
- Ito, C.**, Sato, R. A theory of a nonuniform transmission line and the structure of signal flow 1-41265
- Ito, D.**, Nakayama, Y., Ogasawara, T. Losses in superconducting magnets under fast ramp rate operation 1-28393
- Ito, H.**, Yokoyama, H., Murata, S., Inaba, H. Generation of picosecond optical pulses with highly RF modulated AlGaAs DH laser 1-37113
- Ito, H.**, Yokoyama, H., Murata, S., Inaba, H. Experiments and analyses of ultrashort optical pulse generation with a highly RF-modulated AlGaAs diode laser 1-41104
- Ito, H.** *see* Bukhari, A.R.S. 1-43311
- Ito, H.** *see* Hunt, B.R. 1-37651
- Ito, H.** *see* Takahashi, H. 1-47600
- Ito, K.** *see* Fujita, S. 1-52113
- Ito, K.** *see* Fukumoto, S. 1-43049
- Ito, K.** *see* Kitayama, T. 1-52110
- Ito, K.** *see* Kurata, K. 1-28595
- Ito, K.** *see* Mori, Y. 1-43151, 1-43186
- Ito, K.** *see* Teshima, K. 1-52111
- Ito, M.**, Kaneda, T., Nakajima, K., Toyama, Y., Ando, H. Tunneling currents in  $\text{In}_{0.53}\text{Ga}_{0.47}\text{As}$  homojunction diodes and design of InGaAs/InP heterostructure avalanche photodiodes 1-37037
- Ito, M.**, Kimura, T. Stationary and transient thermal properties of semiconductor laser diodes 1-37133
- Ito, M.**, Kimura, T. Temperature stabilization in semiconductor laser diodes 1-37134
- Ito, M.** *see* Ogawa, N. 1-40118
- Ito, M.** *see* Shinohara, K. 1-33238
- Ito, N.**, Kimashiro, Y., Hasegawa, K. A new approach to integrated service communication system: folded loop and simple signalling 1-29581
- Ito, N.**, Kitahara, N. Curve fitting by rational functions 1-45036
- Ito, R.** *see* Suyama, M. 1-41097
- Ito, S.**, Furutsu, K. Reflected and transmitted pulse forms of a plane wave pulse incident upon a scatterers slab—an application of the diffusion equation 1-51627
- Ito, S.** *see* Ichinose, M. 1-41238
- Ito, S.** *see* Ishizawa, K. 1-51614
- Ito, T.**, Hamman, M.S.A.A., Schiomi, M., Sakai, T. Deterioration of polyethylene due to gaseous discharge products 1-32917
- Ito, T.**, Kataoka, Y., Iwami, M., Hiraki, A. Non-destructive analysis of the Si-SiO<sub>2</sub> interface by electron energy loss spectroscopy study 1-46015
- Ito, T.**, Kataoka, Y., Iwami, M., Hiraki, A. ELS study of amorphous Si(substrate)-SiO<sub>2</sub> (film overlayer) system with varying primary electron energy 1-46016
- Ito, T.**, Kato, I., Nozaki, T., Nakamura, T., Ishikawa, H. Plasma-enhanced thermal nitridation of silicon 1-27867
- Ito, T.** *see* Lalevic, B. 1-50838
- Ito, T.** *see* Nakagawa, K. 1-29775
- Ito, T.** *see* Takahashi, Y. 1-44549
- Ito, Y.**, Nagatsuma, K., Takeuchi, H., Jyomura, S. Surface acoustic wave and piezoelectric properties of (Pb,Ln) (Ti,Mn)O<sub>3</sub> ceramics (Ln=rare earths) 1-51049
- Ito, Y.**, Takahashi, Y., Hagiwara, N., Matsuhiro, K. A 1200 gate master-slice LSI 1-27391
- Ito, Y.**, Takeuchi, H., Jyomura, S., Nagatsuma, K., Ashida, S. New piezoelectric ceramics with zero temperature coefficients for acoustic wave applications 1-32945
- Ito, Y.**, Tanaka, T., Matsumoto, K., Tachibana, M. Highly integrated storage control for mass memory system 1-27390
- Ito, Y.** *see* Ishii, M. 1-45430
- Ito, Y.M.**, England, R.H., Nelson, R.B. Computational method for soil/structure interaction problems 1-39641
- Itoga, M.**, Takata, Y. New, entirely electronically controlled, five-motor, direct-drive VCRs 1-52254
- Itoh, G.** Artificial holes for arresting internal weld crack 1-50350
- Itoh, H.** Optimum magnetic circuit design for small DC servomotors based on numerical analyses 1-35205
- Itoh, H.**, Ohata, K., Hasegawa, F. Influence of the surface and the epistructure interface on the drain current drift of GaAs MESFETs 1-40590
- Itoh, H.** *see* Funakubo, H. 1-33574
- Itoh, H.** *see* Hattori, K. 1-33770
- Itoh, H.** *see* Makiuchi, M. 1-51382
- Itoh, H.** *see* Takahashi, T. 1-35968
- Itoh, H.** *see* Tokiguchi, K. 1-46059
- Itoh, K.**, Hayashi, S., Kitawaki, N., Kakehi, K. Speech quality of the adaptive delta modulation (ADM) codec with syllabic companding 1-51768
- Itoh, K.** *see* Asada, M. 1-46729
- Itoh, K.** *see* Horikawa, S. 1-29721
- Itoh, K.** *see* Kitawaki, N. 1-41545
- Itoh, K.** *see* Minami, A. 1-46406
- Itoh, K.** *see* Shimizu, H. 1-37129
- Itoh, K.** *see* Sugino, T. 1-37125
- Itoh, K.** *see* Wada, M. 1-37131
- Itoh, M.** *see* Gotoh, K. 1-29318
- Itoh, M.** *see* Hishinuma, C. 1-51909
- Itoh, M.** *see* Imase, M. 1-41959
- Itoh, M.** *see* Murayama, M. 1-33398
- Itoh, M.** *see* Ogasawara, T. 1-28294
- Itoh, M.** *see* Urabe, S. 1-36793
- Itoh, N.**, Katoh, H. Japan engages in automatic refuelling 1-30905
- Itoh, N.**, Natori, N., Higuchi, N. A current test bed for the superconducting power cable 1-34890
- Itoh, R.** *see* Nakano, F. 1-51233
- Itoh, S.**, Yakuo, T., Moribe, N., Tsushima, K., Komatsu, J., Imoto, H. Development of high power glass laser system for laser fusion research 1-46712
- Itoh, T.** Open guided wave structures for millimeter-wave circuits 1-45652
- Itoh, T.**, Menzel, W. A full-wave analysis method for open microstrip structures 1-28976
- Itoh, T.**, Ohta, T., Sohma, Y. Audiofile—a digital commercial store 1-34038
- Itoh, T.** *see* Araki, K. 1-28979
- Itoh, T.** *see* Awai, I. 1-45623
- Itoh, T.** *see* Ieda, M. 1-32919
- Itoh, T.** *see* Meguro, T. 1-46071
- Itoh, T.** *see* Schmidt, L.P. 1-28957
- Itoh, T.** *see* Shih, Y. 1-45653
- Itoh, T.** *see* Yen, P. 1-47063
- Itoh, Y.** *see* Hashimoto, K. 1-41408
- Itoh, Y.** *see* Kondo, R. 1-40702
- Itoh, Z.**, Nishimiya, K. Equipment for mixing sound and video for TV transmission 1-34030
- Itoyama, K.**, Matsumoto, G. Formation process of the crater structures of Ni and Cu contacts at breaking arcs 1-32462
- Itskovskii, A.A.** *see* Averbakh, Y.A.A. 1-31067
- Itsumi, M.** Positive and negative charging of thermally grown SiO<sub>2</sub> induced by Fowler-Nordheim emission 1-46011
- Ittel, J.M.**, Lemaire, R., Barbier, D., Poujois, R. Optical document reader 1-41923
- Ittipiboon, A.**, Hamid, M. Application of the Wiener-Hopf technique to dielectric slab waveguide discontinuities 1-46520
- Ittipiboon, A.**, Shafai, L., Bridges, E., Rahman, F. A circular horn with a dielectric coated flange as a feed for prime focus paraboloid reflectors 1-47081
- Ittipiboon, A.** *see* Rahman, F. 1-51733
- Itzkan, I.** *see* Northam, D.B. 1-33206
- Itzkowitz, M.** *see* Knight, J. 1-37767
- Iuga, A.** *see* Felea, S. 1-30842
- Iung, C.**, Louis, J.-P., Gelezewicius, V. Analysis of the validity of linear approximations for the regulation of DC motor fed by AC/DC converters 1-53482
- Ivanchenko, I.M.** *see* Buklei, A.E. 1-30325
- Ivanchenko, V.A.**, Klimov, B.N., Pis'menny A microwave power sensor based on the thermoelectromotive force of hot charge carriers 1-34266
- Ivanciovici, M.** *see* Cartianu, G. 1-47412
- Ivanciovici, M.** *see* Constantin, I. 1-37404
- Ivanenko, M.M.**, Churakov, V.V. Two-photon processes and the dynamic Stark effect in molecular lasers with pulsed optical pumping 1-51378
- Ivanenko, V.D.** *see* Tsaryuk, A.K. 1-49835
- Ivanenko, V.N.**, Okunev, S.I., Rogachev, S.I., Makarova, I.N. Generator braking of frequency-controlled induction machines with non-sinusoidal supply voltage 1-49453
- Ivanes, M.** *see* Baudon, Y. 1-31256
- Ivanes, M.** *see* El Zawawi, A. 1-35440
- Ivanescu, M.**, Popescu, G. Optimal control of the drive with short circuited rotor asynchronous motor 1-38993
- Ivankin, P.A.**, Lebedinskiy, E.V. A method of estimating the mean power of a random process whose values have Nakagami's probability distribution 1-35792
- Ivankovic, R.M.** *see* Calovic, M.S. 1-38652
- Ivannikov, V.M.**, Magazani, Ya.M., Kazantseva, L.N., Kharlamov, V.A. Creating a training aid for operators on the Berezovsk regional steam power station (Krasnoyarsk power system) 1-35037
- Ivanov, A.E.** *see* Khaletskiy, M.B. 1-36824
- Ivanov, A.I.**, Gatiatullina, T.Yu. Synthesis of dynamic components based on differential-input operational amplifier 1-45296
- Ivanov, A.I.** *see* Grachyeva, I.V. 1-35392
- Ivanov, A.N.** New equipment for process automation (of handling operations) at coal mines 1-53857
- Ivanov, A.V.** Characteristics of synthetic-aperture radar imaging of ocean waves 1-37960
- Ivanov, A.V.** *see* Dombrovskii, V.V. 1-31190
- Ivanov, A.V.** *see* Roizman, P.S. 1-39052
- Ivanov, A.Yu.** Relay for controlling voltage level 1-49166
- Ivanov, D.I.** Calculation of the radio interference in an FM multichannel communications system due to the interfering signal which transmits the digital data 1-42187
- Ivanov, E.I.**, Lopatina, L.B., Sukhanov, V.L., Tuckevich, V.V., Schmidt, N.M., Drozdova, M.V. Silicon p-n junctions with the current-voltage characteristic of an 'ideal' Shockley diode 1-32693
- Ivanov, F.D.** *see* Mel'gui, M.A. 1-32116
- Ivanov, I.C.** *see* Kalimov, A.G. 1-48628
- Ivanov, L.N.** *see* Zhuravlev, E.N. 1-30217
- Ivanov, L.V.** *see* Volkov, B.S. 1-52722
- Ivanov, M.A.** *see* Makarenko, B.I. 1-47535
- Ivanov, N.V.**, Khoruzhii, J.Kh. Numerical solution of quantum mechanical collision equations 1-45067
- Ivanov, O.N.** *see* Gromov, V.S. 1-31709
- Ivanov, S.A.** Characteristic impedances of four-conductor transmission line 1-41262
- Ivanov, S.A.** *see* Voinov, V.R. 1-36317
- Ivanov, S.I.** *see* Batygin, Yu.V. 1-52646
- Ivanov, S.V.** *see* Valdner, O.A. 1-48492
- Ivanov, V.A.**, Gurevich, M.Kh. Power control of nuclear power unit for active effect on processes in a power system 1-30640
- Ivanov, V.A.** *see* Golovach, E.A. 1-38855
- Ivanov, V.A.** *see* Lukashevich, P.G. 1-33212
- Ivanov, V.A.** *see* Vasil'ev, V.N. 1-48060
- Ivanov, V.B.**, Krayushkin, V.P., Lukina, V.K., Morozov, A.E., Pantelev, N.L. Measurement of the temperature resolution of heat visualization devices 1-47942
- Ivanov, V.I.** Application of the acoustic emission method for the nondestructive monitoring and investigation of materials (survey of fundamental problems and objectives) 1-36022
- Ivanov, V.L.** *see* Aleksandrov, G.N. 1-30805
- Ivanov, V.P.**, Malyshev, E.K., Milovanova, R.A., Sysoev, A.A., Chistyakov, P.N. Investigation of the phonon current in neutron ionization chambers 1-43254
- Ivanov, V.V.**, Marchenkov, V.V. Composite operational amplifier 1-50437
- Ivanov, V.V.** *see* Kosyrev, F.K. 1-53833
- Ivanov, Yu.N.** *see* Kosyrev, F.K. 1-53833
- Ivanov, Yu.V.**, Shesternikov, K.A. Determination of dynamic characteristics by method of piecewise-linear approximation of sinusoidal signals 1-41686
- Ivanov-Smolenskii, A.V.**, Abramkin, Yu.V. Critical appraisal of electromagnetic phenomena in a ferromagnetic plate with rectangular magnetic polarity reversal cycle 1-40777
- Ivanova, E.S.**, Georgiev, V.K., Popova, I.R., Bak'rdzhiev, V.M., Dimova, V.Ts. Method for opening integrated circuits encapsulated in plastics 1-46188
- Ivanova, G.N.**, Nedeoglo, D.D., Simashkevich, A.V., Timchenko, I.N. Negative magnetoresistance in zinc selenide 1-27807
- Ivanova, N.E.** *see* Loshakov, L.N. 1-51646
- Ivanova, N.Ye.** *see* Pchel'nikov, Yu.N. 1-45865
- Ivanushkina, L.V.** *see* Divin, G.D. 1-33210
- Ivars, R.**, Lundgren, K., Elkert, J., Persson, B. High temperature filter tests show exposure reduction 1-30487
- Ivarsson, A.**, Erlandsson, B., Hakanson, H., Nilsson, P. Advantages with a new Bekesy audiometer in the measurement of noise induced hearing loss 1-43315
- Ivas, D.**, Cirtina, G., Sufletel, N. Possibilities for modernising the management of station operation within the [electricity network enterprises] IRE at Iasi 1-49076
- Ivashchenko, P.F.**, Klimnik, I.I., Konchalovskii, V.Yu. Metrological testing of pulse-coded digital measuring instruments and analog-to-digital converters 1-34179
- Ivashchuk, T.M.** *see* Zaganyach, Yu.I. 1-48063
- Ivers, J.** *see* Providakes, G. 1-48399
- Iveland, T.D.** Selection criteria for diesel cranking batteries [standby generators] 1-43971
- Ivers, J.D.**, Nation, J.A., Roth, I. Proton acceleration in an induction linac 1-48402

- Iversen, V.B. The A-formula 1-51920
- Iverson, J.H. *see* Henning, L.R. 1-50504
- Ives, F.H. *see* Scherer, D. 1-30142
- Ivkin, M.V. *see* Demidov, B.A. 1-52620
- Ivnitskiy, V.A. On a single-channel queuing system with dependent parameters and limited queue 1-44804
- Ivnitskiy, V.A. Determination of the characteristics of a flow of events generated by a piecewise-continuous Markov process 1-50105
- Ivshin, E.N. *see* Frishman, E.M. 1-49743
- Iwabuchi, K. *see* Negishi, Y. 1-29598
- Iwabuchi, K. *see* Yagita, T. 1-37925
- Iwade, M., Kasano, K., Masuda, M., Nakamura, T. Vacuum fluorescent display for TV video images 1-48178
- Iwagami, N., Ogawa, T. Nitric oxide  $\gamma$  band air-glow radiometer with a self-absorbing gas cell 1-52939
- Iwahana, T., Fujimoto, T., Maki, N., Takahashi, H. A harmonic flux induction type on-board auxiliary power source system for levitated trains 1-44431
- Iwahana, T., Iketani, T., Fujimoto, T. Characteristics of a MAGLEV vehicle running on aluminium sheet guideways 1-49754
- Iwahashi, E. First field trial of long-haul transmission systems using single-mode fiber cable at 1.3- $\mu$ m wavelength 1-37922
- Iwahashi, T. *see* Takahashi, H. 1-47600
- Iwahori, J. *see* Kobayashi, M. 1-43212
- Iwai, A. *see* Hayakawa, M. 1-48866
- Iwai, A. *see* Okada, T. 1-48853
- Iwai, H. *see* Taniguchi, K. 1-32879
- Iwai, K. *see* Maekawa, D. 1-33812
- Iwai, T. *see* Imamura, H. 1-52662
- Iwai, T. *see* Sasaki, N. 1-40721
- Iwai, T. *see* Takai, N. 1-37242
- Iwakami, T. *see* Sawai, A. 1-47514
- Iwakawa, S. *see* Yoshino, K. 1-51258
- Iwama, K. *see* Goto, K. 1-41970
- Iwama, K. *see* Yasuura, H. 1-32288
- Iwamoto, S., Tamura, Y. A load flow calculation method for ill-conditioned power systems 1-43631
- Iwamatsu, S., Ogawa, M. Self-aligned aluminum gate MOSFETs fabricated by laser anneal 1-28027
- Iwami, M. *see* Ito, T. 1-46015, 1-46016
- Iwami, M. *see* Okuno, K. 1-27859
- Iwamoto, A., Sekizawa, H. Defect-type discriminating optical system 1-37223
- Iwamoto, A., Sekizawa, H. Periodic aperture size measurement with submicron accuracy: application to nonuniform detection in color CRT shadow masks 1-47791
- Iwamoto, K. Wide time-domain calculation of energizing surges in multi-conductor transmission line by a method of Logarithmic Fourier Transformation 1-38708
- Iwamoto, K. *see* Uji, T. 1-33151
- Iwamoto, M. *see* Yamada, T. 1-51131
- Iwamoto, M. *see* Yamashita, K. 1-50840
- Iwamoto, S., Tamura, Y. A load flow calculation method for ill-conditioned power systems 1-38716
- Iwamoto, T. *see* Yoshino, J. 1-32066
- Iwamura, H. *see* Igarashi, M. 1-34959
- Iwamura, J., Kinoshita, T., Sugai, M., Tango, H., Sato, T., Miyata, M., Ohmori, Y. A 16 b CMOS/NMOS SOS microprocessor 1-27476
- Iwamura, S., Nishida, Y., Hashimoto, K. Rotating MNOS disk memory device 1-40589
- Iwan, L. *see* Bunkenberg, J. 1-51410
- Iwanaga, H., Yoshiie, T., Yamaguchi, T., Shibata, N. Growth mechanism of hollow CdSe and CdS crystals 1-27095
- Iwanaga, H. *see* Yoshiie, T. 1-27099, 1-39751
- Iwanaga, S., Ikegami, A. Thick film humidity sensor 1-48076
- Iwanami, Y., Nemoto, Y., Sato, R. Threshold analysis and design of a FMFB demodulator through quasi-linear approximation—the case of the first order RC loop filter 1-50469
- Iwanczyk, J.S., Dabrowski, A.J., Huth, G.C., Del Duca, A., Schneppe, W. A study of low-noise preamplifier systems for use with room temperature mercuric iodide ( $\text{HgI}_2$ ) X-ray detectors 1-34503
- Iwanczyk, J.S. *see* Dabrowski, A.J. 1-34449
- Iwane, G. *see* Kawaguchi, H. 1-32336, 1-46722
- Iwane, G. *see* Suzuki, Y. 1-28720
- Iwano, T. *see* Amemiya, T. 1-29772
- Iwanowski, R.J. The influence of point defects on the low temperature electron mobility in  $\text{CdHg}_{1-x}\text{Se}$  ( $x \leq 0.2$ ) 1-32632
- Iwanowski, R.J., Bak, J. On the nature of the non-stoichiometry defects of  $\text{CdHg}_{1-x}\text{Se}$  ( $x \leq 0.2$ ) semiconducting alloys. I 1-32631
- Iwasa, K. *see* Nishi, I. 1-37928
- Iwasa, S. *see* Yanase, T. 1-46453
- Iwasa, Y., Thome, R.J., Leupold, M.J., Maguire, J.F., Montgomery, A.G., Olmstead, M.M., Rabasco, A.D., Sinclair, M.W., Sliski, D.J., Thompson, J.B. The MHD component test facility at the Francis Bitter National Magnet Laboratory 1-28370
- Iwasa, Y. *see* Agatsuma, K. 1-28416
- Iwasa, Y. *see* Kensley, R.S. 1-28402
- Iwasa, Y. *see* Leupold, M.J. 1-51127
- Iwasa, Y. *see* Shimmi, A. 1-44494
- Iwasa, Y. *see* Sinclair, M.W. 1-28401
- Iwasa, Y. *see* Tsukamoto, O. 1-36850, 1-51099
- Iwasaki, G. *see* Tsukahara, S. 1-43894
- Iwasaki, K., Urata, H., Yahagi, K., Asada, Y., Maruyama, Y., Fukuda, T. Photo-inspection between cross-linked polyethylene and a semi-conducting layer 1-28173
- Iwasaki, K. *see* Maio, K. 1-27589
- Iwasaki, K. *see* Nishi, T. 1-45238
- Iwasaki, M., Hayashi, F., Yamazaki, Y. New pressurization system for telecommunication cable 1-29587
- Iwasaki, M., Takashima, H., Uenoya, T., Uchida, N. Graded-index optical fiber cable [telephone exchange lines] 1-42239
- Iwasaki, M. *see* Ishii, M. 1-45430
- Iwashige, J. The analysis of monopole antenna erected on circular conductor 1-51664
- Iwata, A., Kikuchi, H., Uchimura, K., Morino, A., Nakajima, M. A single-chip CMOS CODEC with switched-capacitor filters 1-33872
- Iwata, A., Kikuchi, H., Uchimura, K., Morino, A., Nakajima, M. A single-chip codec with switched-capacitor filters 1-52007
- Iwata, A., Takeda, Y., Saji, Y. Linear motor ship and superconducting propulsion system 1-35196
- Iwata, A., Uchimura, K., Hattori, S., Shimizu, H., Ogasawara, K. Low power PCM CODEC and filter system 1-33862
- Iwata, A. *see* Ishii, N. 1-37538
- Iwata, J. *see* Oka, H. 1-27362, 1-39992
- Iwata, M. *see* Uemura, Y. 1-32724
- Iwata, R. *see* Ido, T. 1-34596
- Iwata, S., Mizumoto, Y., Takada, J. A comparison of escape peak and full-energy peak efficiencies of Ge(Li) detectors 1-30350
- Iwata, S., Yamamoto, H., Kikuchi, A., Nakata, K. Characterization of Al/Si interface as applied to Schottky barrier diode characteristics 1-36586
- Iwata, Y. *see* Tsukamoto, O. 1-31552
- Iwata, Z., Furusawa, H. New cooling methods for underground power transmission system by heat pipes 1-34818
- Iwata, Z. *see* Sakurai, T. 1-34887, 1-43698
- Iwazaki, M., Katagiri, K., Sekiguchi, A., Masaki, S. Theoretical analysis and reductional countermeasure of dancing phenomena on self-supporting cable 1-32451
- Iwersen, J.E. *see* Misawa, T. 1-52009
- Iyer, M.R. *see* Choithramani, S.J. 1-30373
- Iyer, N.R. *see* Khadakkar, A.G. 1-52607
- Iyer, R. *see* Bohn, E.M. 1-49215
- Iyer, R.S., Javed, A. Fluctuations in intermodal dispersion of concatenated multimode fibres 1-51199
- Iyer, S.N. *see* Sivazlian, B.D. 1-26966
- Iyer, V. *see* Bhattacharyya, A. 1-46065
- Izadpanah, G., Mauro, M.P. NAVSEA/NAVELEX ATE/TPS coordination center for shipboard electronics 1-38119
- Izaguirre Hang-kam *see* Hang-kam Izaguirre
- Izaki, K. *see* Takemura, T. 1-30609
- Izatt, J.R. *see* Bernard, P. 1-37066
- Izatt, J.R. *see* Kremer, F. 1-48220
- Izatt, J.R. *see* Mathieu, P. 1-51367
- Izawa, T., Mori, H., Murakami, Y., Shimizu, N. Deposited silica waveguide for integrated optical circuits 1-28513
- Izawa, Y. *see* Yamanaka, C. 1-51412
- Izentalski, M. *see* Flisck, T. 1-41844
- Izoe, M. *see* Kosugi, K. 1-39228
- Izosimov, D.B. *see* Sabanovic, A. 1-38986
- Izquierdo, G. *see* Rodriguez *see* Rodriguez Izquierdo, G.
- Izrailev, Y.L., Tsyganenko, Y.V., Suris, P.L., Radin, Y.A., Yashenko, L.I., Poslavskii, A.M., Murashko, A.N. Investigation of a new heating system for the flanged joints of the high-pressure cylinder and no.1 intermediate-pressure cylinder of the TMZ T-250/300-240 turbine 1-35056
- Izumi, K., Seki, S., Miyawaki, T., Suzuki, K. Advanced technology for mobile radio telephone systems 1-29362
- Izumi, K., Yoshikawa, N., Hamada, Y., Kikuchi, T., Ooi, T., Takeuchi, M. High capacity automobile telephone system 1-51912
- Izumi, K. *see* Takahara, M. 1-46457
- Izumi, M., Takeda, R. Improvement of boiling water reactor startup characteristics by core inlet enthalpy control 1-43877
- Izumi, N. Contribution of some metallic electrodes to TGS domain 1-28164
- Izumi, T. Universal random signal generator 1-36146
- Izumi, T., Sekino, S., Shimizu, A., Tanabe, T., Uno, N., Takeda, N., Maeda, T. Continuous analyzer for air pollutants 1-52949
- Izutsu, M., Sueta, T. Picosecond signal processing using broadband guided-wave light modulators 1-36968
- Izutsu, M., Sueta, T. Broad-band guided-wave light intensity modulator 1-40924
- Izutsu, M. *see* Sueta, T. 1-36933
- Izyneev, A.A. *see* Denker, B.I. 1-28693
- Izyumov, S.V. *see* Gasiev, A.G. 1-37076
- Izzo, L., Paura, L. Character error probabilities for fading M-ary CPSK signals subject to Gaussian and impulsive noise 1-47095
- J. Chung Sung *see* Sung J. Chung
- Ja, Y.H. On the horizontal field-variation of a discrete circular array around a large cylinder 1-41406
- Ja, Y.H. Observation of higher-order diffraction components in degenerate four-wave mixing experiments in  $\text{Bi}_{12}\text{GeO}_{20}$  crystals 1-46785
- Ja-Ling Wu *see* Soo-Chang Pei 1-45068
- Jaanimagi, P.A. *see* Burgess, M.D.J. 1-33199
- Jabbar, M.A. *see* Binns, K.J. 1-35150, 1-49431
- Jabbour, K. *see* Pardoe, B.H. 1-42655
- Jablonski, E. *see* Brown, H. 1-48364
- Jablonski, J. *see* Poschel, C. 1-46037
- Jacard, B., Gomez, G. Microwave modelling of HF antennas over lossy earth 1-47035
- Jaccard, C. *see* Berger, R. 1-46064
- Jaccard, J. *see* Evequoz, H. 1-35924
- Jaccard, S., Eienkel, H. SIN upgraded polarized beams 1-48538
- Jacco, J.C., Kostecke, G., Loiacono, G.M. Solution crystal growth of dicalcium strontium propionate and dicalcium lead propionate 1-27098
- Jach, K. *see* Dubik, A. 1-37195
- Jachim, S.P., Webber, R.C., Shafer, R.E. An RF beam position measurement module for the Fermilab Energy Doubler 1-42956
- Jachowicz, R.S. MOS type miniature capacitance sensor for measuring humidity of gases 1-30110
- Jack, A.R. *see* Hoy, H.R. 1-49298
- Jack, G.A. Electricity transmission equipment improves reliability 1-30670
- Jack, M.A., McKee, D., Flynn, M., Warden, M. Aspects of cepstrum analysis signal processing with reference to the multipath interference problem 1-46378
- Jack, M.D., Lee, J.Y.M., Lefevre, H. DLTS measurements of a germanium MIS interface 1-40469
- Jackel, J.L., Howard, R.E., Hu, E.L., Lyman, S.P. Reactive ion etching of  $\text{LiNbO}_3$  1-40877
- Jackel, J.L., Olson, D.H., Glass, A.M. Optical damage resistance of monovalent ion diffused  $\text{LiNbO}_3$  and  $\text{LiTaO}_3$  waveguides 1-51174
- Jackel, J.L., Ramaswamy, V., Lyman, S.P. Elimination of out-diffused surface guiding in titanium-diffused  $\text{LiNbO}_3$  1-28514
- Jackel, J.L., Ramaswamy, V., Lyman, S.P., Glass, A.M., Olson, D.H. Elimination of out-diffused surface guiding in Ti-diffused  $\text{LiNbO}_3$  1-36939
- Jackel, L.D., Howard, R.E., Hu, E.L., Tennant, D.M., Grabbe, P. 50-nm silicon structures fabricated with trilevel electron beam resist and reactive-ion etching 1-50878
- Jackowlew, V.P. *see* Fomel, B.M. 1-48452
- Jackson, A. Report on the Daresbury synchrotron radiation source 1-43054
- Jackson, B. Cycles in bipartite graphs 1-50198
- Jackson, B. *see* Chen, D.Y. 1-46115
- Jackson, D. *see* Finch, T. 1-52823
- Jackson, E.W., Zobniw, L.M. Module-in-place testing autoguided probe isolation and diagnostic technique 1-31863
- Jackson, G.A. *see* Bull, D.A. 1-32093
- Jackson, G.A. *see* Maddocks, A.J. 1-26884
- Jackson, H.A. *see* Reid, D.W. 1-42909
- Jackson, H.E. *see* Cho, Y. 1-42872, 1-42901
- Jackson, H.E. *see* Dutta, S. 1-36941
- Jackson, H.E. *see* Hopkins, F.K. 1-51214
- Jackson, H.E. *see* Khoe, T.K. 1-42892
- Jackson, H.E. *see* Subhadra Dutta 1-51159
- Jackson, J. *see* Allinger, J. 1-43104
- Jackson, J.D. *see* Adams, G.R. 1-36754
- Jackson, J.E., Jr. Finite element solution of non-linear fluid-structure interaction problems under hydrodynamic shock conditions 1-39713
- Jackson, J.L. *see* Rumbold, J.G. 1-35990
- Jackson, J.W. *see* Allinger, J.E. 1-43103
- Jackson, K. *see* Greig, A. 1-52213
- Jackson, K.G., Feinberg, R. Dictionary of electrical engineering. Second edition 1-31763
- Jackson, L.N. *see* Cain, G.J. 1-42125
- Jackson, N.W.E. New initiatives in application of 66 and 22 kV switchgear in zone substations-1978 1-35307
- Jackson, P.C. Optimization of ATE switching/multiplexing 1-38107
- Jackson, P.C., Wilde, P., Rhys Davies, E. Production of dynamic persistence displays using a computer 1-43304
- Jackson, R.G. *see* Hall, N.R. 1-37789
- Jackson, R.H. *see* Bettis, J.R. 1-51496
- Jackson, R.N. Television: the widening horizon 1-34095
- Jackson, T. Design and performance of PEP DC power systems 1-43056
- Jacob, G. *see* Mircea-Roussel, A. 1-27822

- Jacobe, J.** *see* Melchart, G. 1-48615
- Jacobi, E.** Priority for district heating from combined heat and power generation and use of industrial waste heat 1-43897
- Jacoboni, C., Nava, F., Canali, C., Ottaviani, G.** Electron drift velocity and diffusivity in germanium 1-50766
- Jacobs, B.** *see* Kivits, P. 1-33019
- Jacobs, E.P.** Short channel erase in n-channel Si-gate MNOS EEPROM transistors 1-46322
- Jacobs, E.P., Schwabe, U.** n-channel Si-gate process for MNOS EEPROM transistors 1-46323
- Jacobs, F.R., Khumawala, B.M.** Solving mixed integer programming problems with Khachian's Ellipsoid Technique 1-35860
- Jacobs, M.E.** *see* Goldstein, M. 1-42089
- Jacobs, P.A.** *see* Gaver, D.P. 1-33705
- Jacobs, R.M.** Effect of the Model Uniform Product Liability Act in quality assurance 1-35657
- Jacobs, S.D.** *see* Bunkenberg, J. 1-51410
- Jacobs, S.D.** *see* Craxton, R.S. 1-51517
- Jacobs, S.D.** *see* Seka, W. 1-51415
- Jacobsen, G., Ramskov Hansen, F.** Behaviour of transients in propagation constants series of evanescent wave theory 1-51642
- Jacobsen, K.** *see* Popescu-Zeletin, R. 1-41951, 1-51975
- Jacobsen, O.S.** Geochemical survey of shallow ground water wells in Denmark 1-34707
- Jacobsen, P.H.** Choice of rechargeable batteries 1-35340
- Jacobsen, S.E.** Convergence of a Tuy-type algorithm for concave minimization subject to linear inequality constraints 1-27032
- Jacobsen, T.** *see* Atlung, S. 1-44348
- Jacobson, A.G.** *see* Jarrett, S.M. 1-28744
- Jacobson, A.J.** *see* Whittingham, M.S. 1-31403, 1-44350
- Jacobson, A.S.** *see* Mahoney, W.A. 1-48608
- Jacobson, B.** *see* Abrahamson, P. 1-37801
- Jacobson, D.** *see* Jaskie, J. 1-27756
- Jacobson, D.C.** *see* Draper, C.W. 1-37193
- Jacobson, H.I.** A simple formula for radar detection probability on Swerling I targets 1-34000
- Jacobson, L.A.** *see* Hall, J.E. 1-38569
- Jacobson, L.J.** *see* Euler, W.C. 1-42354
- Jacobsson, J.** *see* Berglund, S.E. 1-36860
- Jacobus, C., Chien, R.T.** Intermediate-level vision—building vertex-string-surface (V-S-S) graphs 1-44915
- Jacoby, D.O.** Electronic warfare organizational level testing 1-38552
- Jacot, M.** Gas pipe-line Orbe-Mulchi 1-29588
- Jacovides, L.J., Matouka, M.F., Shimer, D.W.** A cycloconverter-synchronous motor drive for traction applications 1-53744
- Jacovitti, G.** Parameter estimation of an SSR amplitude comparison monopulse extractor 1-52140
- Jacquat, C.A., Alba, D.** A comparative analysis of the wave forms developed by a device for the control of asynchronous motors 1-44105
- Jacquelin, J., Vic, R.L.** A presently available energy supply for high temperature environment (550-1000°F) 1-39108
- Jacques, A.St.** *see* St. Jacques, A.
- Jacques, P.** *see* Kirby, P.B. 1-45940
- Jacquot, B.** *see* Aubert, J. 1-38397
- Jacquot, B.** *see* Dousson, S. 1-38403
- Jacquot, B.** *see* Geller, R. 1-38390
- Jacquot, C.** *see* Geller, R. 1-38395
- Jacur, G.R.** Optimal sequential sampling without a priori bound to sample size 1-44813
- Jadamus, H.** The use of mechanical vibration parameters in technical diagnostics and for the modernization of boiler fans 1-30960
- Jadeja, P.U.** Res-I-glass banded commutators for traction motors 1-53475
- Jadeja, P.U.** *see* Agarwal, B.H. 1-53474
- Jadric, M.** Application of a linearized mathematical model for analyzing the dynamic states of an asynchronous motor 1-49441
- Jadus, D.K., Seeger, R.O.** Partitioned bubble memory on card 1-28260
- Jadus, D.K., Seeger, R.O.** Oscillation suppression network and up-level clamp for bubble memory drivers 1-28261
- Jaecklin, A.** The fast thyristor 1-35242
- Jaecklin, A.** Some remarks on quick-acting thyristors 1-46128
- Jaecklin, A.A.** Light-activated, high-voltage thyristors 1-28585
- Jaegar, R.J., Jr.** *see* Giloth, P.J. 1-42095
- Jaeger, D., Rippl, K.H.** EMC, lightning and NEMP-protection—new requirements for approved specifications when using CFRP 1-33365
- Jaeger, H., Seipp, E.** Transition resistances of ohmic contacts to p-type CdTe and their time-dependent variation 1-40453
- Jaeger, K.** *see* Kirk, H.G. 1-43105
- Jaeger, K.** *see* Wanderer, P. 1-43097
- Jaeger, K.** *see* Willen, E. 1-43117
- Jaeger, R.C.** CMRR performance limits of analog multiplexers using normal-mode filters 1-47459
- Jaeger, R.C.** *see* Gaensslen, F.H. 1-32833
- Jaeschke, E.** *see* Huck, B. 1-38331, 1-43131, 1-48438
- Ja'Far Al-Rikabi** *see* Saleh, M.A. 1-49484
- Jafarpour, M.R.** *see* Wong, R.Y. 1-33048
- Jaffa, K.C.** Magnetic field induction from overhead transmission and distribution power lines on parallel fences 1-38771
- Jaffa, K.C.** Magnetic field induction from overhead transmission and distribution power lines on parallel fences 1-38777
- Jaffa, K.C., Stewart, J.B.** Magnetic field induction from overhead transmission and distribution power lines on buried irrigation pipelines 1-30766
- Jaffe, D.** *see* Grannis, P.D. 1-52696
- Jaffe, J.M.** Flow control power is non-decentralizable 1-33832
- Jaffe, J.M.** Bottleneck flow control 1-47272
- Jaffe, J.M., Moss, F.H.** A responsive distributed routing algorithm for computer networks 1-37766
- Jaffe, J.M.** *see* Bharath-Kumar, K. 1-33803
- Jaffe, R.S.** *see* Chong-Cheng Fu 1-30579
- Jaffe, S., Karcianas, N.** Matrix pencil characterization of almost (A, B)-invariant subspaces: a classification of geometric concepts 1-27053
- Jaffey, S.M., Millman, M.W.** Effects of rectification on image correlation 1-47961
- Jafri, M.N., Hashmi, J., Iqlem, J., Siddiqui, Z.H.** Managing control and instrumentation support for a nuclear power plant in a developing country 1-38860
- Jafri, M.N.** *see* Hashmi, J. 1-38861
- Jagadeesh, M.S.** *see* Das, V.D. 1-32671, 1-50847
- Jagannathan, V.** *see* Janse, B.H. 1-43366
- Jagemann, A.** *see* Giessler, A. 1-33804
- Jager, A., Zachrau, W.** Type DBTF airblast circuit breakers for AC traction vehicles 1-35262
- Jager, H., Fussl, B., Seipp, E., Thiel, R.** Entwicklung von einkristallinen CdTe-Solarzellen für terrestrische Anwendung, geeignet für den Einsatz in optischen Konzentratoren (Development of single crystal CdTe solar cells for terrestrial applications meant for use in optical concentrators) 1-49706
- Jager, K.W.** Testing the contact materials of electrical power engineering 1-49595
- Jager, P.** The characteristics of the linear potentiometer 1-50636
- Jager, R.** Regional forecasts of telephone traffic on the basis of econometric models 1-33741
- Jager, U.** *see* Ablasser, I. 1-46335
- Jaggard, D.L., Warhola, G.T.** Characteristics of modulated periodic media. I. Passive structures 1-51219
- Jaggard, D.L.** *see* Warhola, G.T. 1-51220
- Jagger, J.** *see* May, M. 1-43083
- Jagodzinski, P.** *see* Baykowski, J. 1-28088
- Jagtap, V., Bapat, V.** Phase-locked loops replace precision component bridge 1-52521
- Jahelka, J.** *see* Brown, H. 1-48364
- Jahn, D.** Analogous opto-electronic data transmission of high-voltage potential in a high-power test laboratory 1-33835
- Jahn, J.-H.** Coding of arbitrarily varying multiuser channels 1-41453
- Jahn, U.** *see* Dvurechenskii, A.V. 1-27930
- Jahns, T.** *see* Latos, T. 1-31339
- Jain, A.K.** Image data compression: a review 1-29176
- Jain, A.K.** Advances in mathematical models for image processing 1-33622
- Jain, A.K.** Generating statistically correlated glint and RCS for empirically based RF target models 1-42331
- Jain, A.K., Ranganath, S.** Application of two dimensional spectral estimation in image restoration 1-41827
- Jain, A.K., Ranganath, S.** Extrapolation algorithms for discrete signals with application in spectral estimation 1-47182
- Jain, B.C.** *see* Garg, J.C. 1-36493
- Jain, G.C., Chakravarty, B.C., Prasad, A.** Effect of annealing on resistivity and photoconductivity of solar-grade polycrystalline silicon and on solar-cell performance 1-50759
- Jain, G.C., Singh, S.N., Kotnala, R.K., Arora, N.K.** Fabrication of  $P^+-N-N^+$  silicon solar cells by simultaneous diffusion of boron and phosphorus into silicon through silicon dioxide 1-53632
- Jain, G.C.** *see* Bansal, K.P. 1-36698
- Jain, K., Hewig, G.H.** Phase-matched second-harmonic generation at 440 nm in a  $LiNbO_3-Gd_3Ga_5O_{12}$  waveguide with a tunable stimulated Raman source 1-28778
- Jain, K., Hewig, G.H., Cheng, Y.Y., Crowley, J.I.** New organic materials with large optical nonlinearities 1-51515
- Jain, K.** *see* Mehendru, P.C. 1-32894
- Jain, K.M.** *see* Ghosh, A. 1-45959
- Jain, L.C., Garud, G.N.** Microprocessors—a comparison 1-40049
- Jain, M.L.** *see* Bratis, J.C. 1-30975
- Jain, P.C., Delogne, P.** Real-time hadamard transform coding for TV signals 1-38022
- Jain, R.K.** *see* Swarup, P. 1-45097
- Jain, S.** *see* Kar, S. 1-53647
- Jain, S.C.** Selected applications of electron beams in solid state materials and devices technology 1-32730
- Jain, S.C.** *see* Dhariwal, S.R. 1-40377
- Jain, S.K., Verma, V.K., Mukhopadhyay, P.** Influence of governors on synchronous machine connected to oscillating large receiving system 1-38668
- Jain, S.K.** *see* Arya, N.S. 1-52720
- Jain, S.K.** *see* Garg, J.C. 1-36493
- Jain, S.K.** *see* Mathur, P.C. 1-36475
- Jain, S.K.** *see* Ram Prakash 1-46870
- Jain, V.K.** High temperature peaks in LiF TLD: Dependence on LET 1-30341
- Jain, V.K.** Linear predictor with a new error criterion 1-37600
- Jain, V.K., Gupta, S.N.** Optimum receiver for impulsive atmospheric radio noise 1-47542
- Jain, V.K., Leach, W.M., Schafer, R.W.** Time-domain measurement of vented-box loudspeaker system parameters 1-42476
- Jain, V.K., Pandey, P.C.** Application of finite elements technique for analysis of electro-chemical wire cutting process 1-35534
- Jain, V.K., Sarkar, T.K., Weiner, D.D.** Rational modeling by pencil-of-functions method 1-41763
- Jain, V.K.** *see* Sarkar, T.K. 1-35714
- Jain, Y.K., Varshney, S.K.** Properties of coplanar type MIS-SIM structure chip capacitor 1-27871
- Jakatdar, P.** *see* Pearlman, W.A. 1-41829
- Jakl, F., Leban, I.** Problems concerning design and construction of the 400/110 kV transformer station Maribor 1-31275
- Jakob, R.** *see* Braun, D. 1-31343
- Jakob, R.** *see* Ganz, A. 1-44025
- Jaksts, A., Cross, J.** The influence of a solid dielectric spacer on electron avalanches in nitrogen at atmospheric pressure 1-36708
- Jakubczak, J.** *see* Bialkiewicz, Z. 1-53071
- Jakubczyk, B.** *see* Olbrot, A.W. 1-27078
- Jakubik, A.** Chemical problems in power plants and heat and power plants 1-53238
- Jakubik, J.** On isometries of non-abelian lattice ordered groups 1-31917
- Jakubovic, J.** *see* Thurzo, I. 1-46021
- Jakubowicz, A.** Direct lifetime measurements in semiconductors with the scanning electron microscope (SEM) 1-50741
- Jakubowski, A.** Determination of metal-semiconductor work function difference  $\Phi_{SM}$  by means of MIS capacitor C-V characteristics analysis 1-27870
- Jakubowski, A.** Some manufacturing and experimental problems of metal dielectric semiconductor (MIS) structures 1-32710
- Jakubowski, A., Siennicki, A.** Properties of double dielectric layer on silicon substrate 1-46298
- Jakubowski, A.** *see* Duszak, M. 1-46001
- Jakubowski, A.** *see* Przewlocki, H.M. 1-46022
- Jakus, K.** *see* Ritter, J.E., Jr. 1-46523
- Jalade, J., Marpinard, J.C., Valentin, M.** DC/AC high power cell structure improves sine generator performance 1-49565
- Jalade, J.** *see* Marpinard, J.C. 1-53563
- Jalali, A., Rao, K.R.** A high-speed FDCT processor for real time processing of NTSC color TV signal 1-38017
- Jalali, A., Rao, K.R.** Limited wordlength and FDCT processing accuracy 1-41770
- Jalanko, M.** *see* Kohonen, T. 1-29143
- Jalanko, M.** *see* Riittinen, H. 1-41592
- Jalil, A.** *see* Joullic, A. 1-36505
- Jalocha, A., Wisniewski, J.** Choice of sources reactance for permissible values of three-phase short-circuit currents in the knots of network 1-43636
- Jalufka, N.W.** Direct nuclear excitation of a  $^3\text{He-CO}_2$  gas mixture 1-51329
- Jalufka, N.W., Hohl, F.** A direct nuclear-pumped  $^3\text{He-CO}$  laser 1-51327
- Jamar, C., Macau-Hercot, D., Monfils, A.** Two dimensional photon counting 1-48113
- Jamar, C.** *see* Ringoet, P. 1-30115
- Jamba, D.M.** *see* Evans, C.A., Jr. 1-27823
- Jamberdino, A.A.** Overview of requirements for optical storage media 1-33018
- Jamberdino, A.A.** High-capacity high-speed recording 1-41177
- Jambotkar, C.G.** High-performance FET technology 1-46149
- Jambotkar, C.G.** High-speed, high-density bipolar technology 1-51002
- Jambotkar, C.G.** Compact NPN transistors 1-51003
- Jambotkar, C.G.** High-density high-performance bipolar technology 1-51004
- Jambotkar, C.G.** Method to form polysilicon resistors along with high-performance transistors 1-51005
- Jambotkar, C.G.** Mask alignment—-independent base resistance minimization in NPN transistors without degradation of the emitter-base junction characteristics 1-51006
- Jambotkar, C.G.** High-performance field-effect transistors 1-51024

- Jambotkar, C.G., Wang, P.P. High-voltage MOS-FET structure 1-46150
- James, D.R. *see* Christoprou, L.G. 1-28159
- James, D.S., Dormer, L., Martin, P., Broome, K., Appleby, M. Assessment of the suitability of GaAs FETs for radar pre-amps 1-47742
- James, D.S. *see* Dormer, L. 1-46181
- James, J.B. The STACK approach to component quality problems 1-39427
- James, J.R., Amin, M.B. Techniques for utilization of hexagonal ferrites in radar absorbers. II. Reduction of radar cross-section of HF and VHF wire antennas 1-34010
- James, J.R., Hall, P.S., Wood, C., Henderson, A. Some recent developments in microstrip antenna design 1-28999
- James, J.R. *see* Amin, M.B. 1-34009
- James, J.R. *see* Hall, P.S. 1-41428
- James, J.R. *see* Jones, W.L. 1-41338
- James, M. Development and experience of UxPxSx systems during the 1970s 1-44232
- James, M.B., Miller, R.H. A high current injector for the proposed SLAC linear collider 1-48419
- James, M.B. *see* Mavrogenes, G. 1-48475
- James, P. SO<sub>2</sub> emissions—no easy control in sight [power plant equipment design] 1-30990
- James, P. Renewables prominent in California's energy plans 1-38910
- James, P. Sweden reviews its energy options 1-49373
- James, R.B., Smith, D.L. Theoretical description of intervalence-band photoconductivity of p-Ge at 10.6  $\mu$ m 1-33110
- James, S. Variable reluctance transducers suit high shock applications 1-48073
- James, S.D. *see* Dallek, S. 1-39111
- James, S.D. *see* Kilroy, W.P. 1-39107
- Jameson, A.J. TTL logic probe 1-27444
- Jameson, R. *see* Boicourt, G. 1-48430
- Jameson, R.A. Beam-intensity limitations in linear accelerators 1-42982
- Jameson, R.A. *see* Boicourt, G.P. 1-48434
- Jameson, R.A. *see* Hamm, R.W. 1-42880
- Jameson, R.A. *see* Minerbo, G.N. 1-42930
- Jameson, R.A. *see* Stokes, R.H. 1-48469
- Jamil, K., Ahmad, R., Akber, R.A., Khan, H.A. The effect of post-exposure annealing on the track registration characteristics of CR-39 nuclear track detectors 1-48641
- Jamison, R.E. A threshold optocoupler for isolating two circuits 1-33140
- Jamison, S., Contolatis, A., Bauhahn, P., Abrok-wah, J., Peck, T., Helix, M., Chao, C. Beam-lead Schottky-barrier planar mixer diodes for millimeter wave applications 1-45682
- Jamison, S.A. *see* Weinman, L.S. 1-46098
- Jannik, D. *see* Axel, P. 1-42900
- Jamsonov, M.A. *see* Mechev, V.S. 1-44535
- Jamwal, K.K.S., Dhar, A. Polymer properties for high-grain microwave antennas 1-32893
- Jamwal, K.K.S., Dhar, A. Simple and fast technique for measuring dielectric constant of polymers at microwave frequencies 1-38278
- Janai, M. Photodissolution of silver in amorphous As<sub>2</sub>S<sub>3</sub> films 1-50801
- Janai, M., Weil, R., Levin, K.H., Pratt, B., Kalish, R., Braunstein, G., Teicher, M., Wolf, M. Chemical vapor deposition of amorphous silicon prepared from SiF<sub>4</sub> gas 1-50318
- Janaviciene, N.J., Levitas, I.S., Pozela, J.K., Stalioraitis, K.K. Semiconductor device sensitive to magnetic field gradient 1-36582
- Jancso, I. Wideband microwave radio link equipment 1-42179
- Jander, R.B. *see* Tomlinson, W.J. 1-36930
- Janecek, E. Packet-switching network tightens control system response 1-41943
- Janes, D., Datta, S., Adler, R., Hunsinger, B.J. Measurement of mobility in amorphous silicon using traveling waves 1-45942
- Janes, D. *see* Adler, R. 1-36453
- Jang, S.J. *see* Cohen, L.G. 1-36861
- Jang, S.J. *see* Uchino, K. 1-42603
- Jang Sei-Joo *see* Sei-Joo Jang
- Jang-Shi Pang An equivalence between two algorithms for quadratic programming 1-27041
- Janicke, O. Partial differential equations of discrete real-value functions and their solution by the Walsh transformation 1-50264
- Janik, R. Characteristics of large scintillation detectors 1-30312
- Janik, R. Large aperture Cerenkov counter 1-30313
- Janik, R., Strmen, P. Spectroscopy amplifier with integrated circuits 1-36093
- Janischewskyj, W. *see* Dobroszewski, R. 1-43806
- Janker, M. Air-insulated switchpanels incorporating 3AF vacuum circuit-breakers 1-35287
- Janker, M., Redl, H. A new generation of medium-voltage switchpanels 1-49624
- Jankowski, F.J. Maintaining innovation and productivity in a growing organization 1-49937
- Jannarelli, R. The use of fibre optics for temperature measurement in electronic technology 1-52596
- Jansson, T. Information capacity of Bragg holograms in planar optics 1-28796
- Janocko, M.A. *see* Walker, M.S. 1-31669
- Janofsky, E.B., Durkin, C.J., Jr. Dispatcher simulator training at Consolidated Edison 1-43552
- Janossy, M., Rozsa, K., Csillag, L., Le Trong Muu Investigations on a He-Kr ion laser 1-51341
- Janowitz, M.F. Continuous L-cluster methods 1-39577
- Janowitz, P., Light, J. A programmable data transmission tester for 'first-line' technicians 1-52354
- Janowski, M. *see* Galwas, B. 1-45313
- Janse, B.H., Bourne, J.R., Jagannathan, V., Ward, J.W. Evaluation of slow-waves in the electroencephalogram using syntactic shape analysis 1-43366
- Janse, M.J. *see* de Bakker, J.M.T. 1-48722
- Jansen, B.H., Bourne, J.R., Ward, J.W. Autoregressive estimation of short segment spectra for computerized EEG analysis 1-52775
- Jansen, B.H., Hasman, A., Lenten, R. Piecewise EEG analysis: an objective evaluation 1-30453
- Jansen, B.H., Hasman, A., Lenten, R. Piecewise analysis of EEGs using AR-modeling and clustering 1-43333
- Jansen, B.H., Hasman, A., Lenten, R., Pikaar, R. Automatic sleep staging by means of profiles 1-43360
- Jansen, B.H., Larsen, H., Lai, D.C. Comments on 'Walsh spectral estimates with applications to the classification of EEG signals' [and reply] 1-52776
- Jansen, J.F.W. *see* Janssens, R.V.F. 1-52736
- Jansen, L.A. Matrix addressing for gas panels using a third addressing axis 1-30198
- Jansen, L.A., Piersma, H. Combined generation of electricity and heat in the dairy industry 1-53850
- Jansen, L.A., Thompson, D.R. Finger point detection using gas panel 1-27770
- Jansen, M.J.M. Maximal Nash subsets for bimatrix games 1-35726
- Jansen, M.J.M., Tijs, S.H. Equilibrium points of semi-infinite bimatrix games 1-44809
- Jansen, M.J.M. *see* Tijs, S.H. 1-44811
- Jansen, P. Models as a help in energy policy decisions 1-31800
- Jansen, P. Microstepping technique adds versatility to direct-writing recorder system 1-35418
- Jansen, R.H. Hybrid mode analysis of end effects of planar microwave and millimetrewave transmission lines 1-28960
- Jansen, R.H. A note on charge relaxation and associated carrier flow in conducting media 1-32406
- Jansen, R.H. Problems of design and measuring techniques of planar circuits. I 1-40209
- Jansen, W. *see* Nolde, W. 1-42397
- Janson, S.W. *see* Kostroun, V.O. 1-43178
- Janssen, D.J.G., v.d. Meeberg, L. PCM codec with on-chip digital filters 1-33859
- Janssen, D.M. *see* Arseneault, P.J. 1-26906
- Janssen, H. The DMS-100 in perspective [electronic switching systems] 1-42070
- Janssen, J.H.M. There are no professional tape recorders. I 1-29950
- Janssen, J.H.M. The professional cassette recorder does not exist. II 1-34167
- Janssen, J.H.M. The professional cassette recorder does not exist. III 1-47851
- Janssen, L.H. *see* Buys, J.H. 1-41215
- Janssen-McKee, J.L. *see* Timberlake, A.B. 1-45841
- Janssens, R.V.F., Jansen, J.F.W., Van Klinken, J., Steendam, S.P., Lukasik, J., Venema, W.Z., Wempe, W.E.M.P.E. A double Mini-Orange spectrometer 1-52736
- Janssens, T.J., Valdes, S.F. A sensor optimization program 1-42549
- Jansson, L., Kumar, V., Ledeb, L.A., Nideborn, K. A sensitive and inexpensive signal analyser for deep level studies 1-30044
- Janszky, J., Corradi, G., Horvath, Z., Gyuzalian, R.N. Study on the time dependence structure of picosecond laser impulses 1-51502
- Jantschek, G. Television receivers: vertical deflection. I. Survey of efforts to reduce the power requirement 1-29865
- Jantschek, G. Vertical deflection (television receivers). II. Scan concepts with a single IC only 1-38005
- Jantz, W. Multiplexed reading and writing of magnetic bubbles 1-28264
- Jantz, W., Slonczewski, J.C., Argyle, B.E. Effects of Bloch lines and Bloch points on resonances of magnetic bubbles 1-32968
- Janu, K. *see* Nemec, D. 1-50270
- Januskevicius, Z., Korech, N., Sakalas, A., Tychnia, I. Electrical properties of CdP<sub>2</sub> single crystals 1-45965
- Janusz, C., Niklas, A. The effect of imperfections on thermoluminescence and lasing of ruby crystals 1-51426
- Januszewski, S. High power semiconductor equipment 1-39924
- Januszkiewicz, K.T. Numerical simulation of the operation of electrical chamber furnaces 1-44495
- Jaquier, J.-J. Acceptance tests for computer based communication and teleprocessing systems: objectives, contents, methods and problems 1-47307
- Jardine, J.D. Voltage-controlled oscillator 1-36140
- Jaremko, N. *see* Lizzi, F.L. 1-38504
- Jares, V. Transient phenomena in TV pick-up tubes 1-32574
- Jares, V. Vidicon for sensing thermal images 1-34217
- Jares, V. The 2/3 inch Plumbicon with improved properties 1-36441
- Jares, V. Pyroelectric vidicon—a new perspective development in infrared imaging 1-38210
- Jarett, K., Cover, T.M. Asymmetries in relativistic information flow 1-37381
- Jarjis, J. *see* Banakar, M.H. 1-49054
- Jarlskog, G. *see* Cockerill, D. 1-43233
- Jarlskog, G. *see* Henning, S. 1-43244
- Jaron, D. *see* Kuklinski, W.S. 1-51007
- Jaroslavski, L.P. Comments on 'FFT algorithm for both input and output pruning' [by T.V. Sreenivas, P.V.S. Rao] 1-41650
- Jarrett, D. A Dutch treat for a mini maker [laboratory flight simulator and test system] 1-43400
- Jarrett, H.S. Photocurrent conversion efficiency in a Schottky barrier 1-50907
- Jarrett, R.E. *see* Boniszewski, T. 1-35659
- Jarrett, S.M., Jacobson, A.G. Frequency-stabilized continuous wave (CW) ring dye laser 1-28744
- Jarvenpaa, P. Brush sparking and flashovers main generator flashovers in diesel-electric locomotives main generator: 645 V, 1370 A, 885 kW 1-53753
- Jarvi, P. Meromorphic functions on certain Riemann surfaces with small boundary 1-31958
- Jarvi, P. On certain algebras of analytic functions on Riemann surfaces 1-31959
- Jarvik, R.K. The total artificial heart 1-30478
- Jarvinen, P.O. Ceramic dome receiver technology developments 1-31130
- Jarvinen, P.O. *see* Hay, R.D. 1-31495
- Jarvis, L.R. Microdensitometry with image analyser video scanners 1-48085
- Jarzynski, J., Hughes, R., Hickman, T.R., Bucaro, J.A. Frequency response of interferometric fiber-optic coil hydrophones 1-43446
- Jarzynski, J. *see* Cole, J.H. 1-36985
- Jarzynski, J. *see* Lagakos, N. 1-46488
- Jasenek, J. Solution of the motion equation of the magnetization vector in its eigen-coordinate system 1-28830
- Jasinska, J. Analysis of dynamic errors in recorders with indirect transmission 1-42676
- Jasinskaite, R. *see* Hoschl, P. 1-50780
- Jasinski, H. *see* Wojciechowski, J. 1-33731
- Jasinski, L. Statistical analysis of communications range and reliability in the presence of interference 1-47554
- Jaskie, J., Jacobson, D. Thermionic emission and surface composition of the Y-B system 1-27756
- Jaskolski, K. The influence of heat engineering on performance factors of thermal power plants 1-35033
- Jaskolski, K. An analysis of the Warsaw heat-engineering system 1-53792
- Jaskule, G. *see* Bajus, P. 1-33857
- Jaslow, H. New engineering approach to motion cueing technology for flight simulators 1-52841
- Jasnusz, J.K., Silvey, G.N. CECO installs modernized SCADA system 1-48972
- Jason, A.J., Hudgings, D.W., van Dyck, O.B. Neutralization of H<sup>+</sup> beams by magnetic stripping 1-43050
- Jason, A.J. *see* Hudgings, D.W. 1-43072, 1-48312
- Jason, A.J. *see* Lawrence, G.P. 1-42870
- Jassby, D.L. The fusion-supported decentralized nuclear energy system 1-34988
- Jastrzebski, L., Lagowski, J., Gatos, H.C. Formation of recombination centers in epitaxial GaAs due to rapid changes of the growth velocity 1-32062
- Jastrzebski, L., Levine, P.A., Fisher, W.A., Cope, A.D., Savoye, E.D., Henry, W.N. Cosmetic defects in CCD imagers 1-38133
- Jastrzebski, L. *see* Thebault, D. 1-27912
- Jatar, S. *see* Salkalachen, S. 1-49702
- Jatteau, M. Trends in medical radionuclide imaging 1-30431
- Jauch, K.M. *see* Baltes, H.P. 1-47238
- Jaul, W.K., Kerber, R.L. Comparison of computer simulation and experimental results for a 16  $\mu$ m HBr/CO<sub>2</sub> laser 1-51343
- Jaumann, R., Wodschadlo, K., Leibold, H. Solid-state power and voltage relays 1-38817
- Jaumotte, A., Leduc, B., Masson, H. The combustion of coal in fluidized beds and its application to the production of electrical energy 1-49253
- Jaumotte, A., Leduc, B., van Gucht, A. The generation of electricity as part of the process of vaporisation of liquefied natural gas 1-49300
- Jaumotte, A.L. Thermal power plants with a lower water requirement 1-30996

- Jaumotte, A.L.** Energy in economic life 1-31496
- Javan, A.** *see* Monchalin, J.-P. 1-28758
- Javed, A.** *see* Iyer, R.S. 1-51199
- Javed Ashraf Syed** *see* Syed Javed Ashraf
- Jawahery, A.** *see* Hylen, J. 1-48583
- Jawassoglou, K.** Safacas, A. Digital simulation of a self-controlled three-phase inverter with independent quenching 1-32159
- Jaworowski, A.E.,** Pierce, C.B., Burdick, S., Corbett, J.W. Deep levels in electron irradiated edge-defined film-fed growth ribbon silicon 1-45902
- Jaworski, M.** *see* Gregorkiewicz, T. 1-30237
- Jay, M.A.** Lithium/thionyl-chloride cells 1-49652
- Jay, P.R.,** Wright, H.C. Photocapacity analysis using a mercury probe 1-30235
- Jay, P.R.** *see* Debney, B.T. 1-27831
- Jayadev, T.S.** *see* Chum, H.L. 1-31478
- Jayadev, T.S.** *see* Leboeuf, C.M. 1-31125
- Jayant, N.S.** Subsampling of a DPCM speech channel to provide two 'self-contained' half-rate channels 1-47140
- Jayant, N.S.** Adaptive post-filtering of ADPCM speech 1-47141
- Jayant, N.S.** *see* Steele, R. 1-29115
- Jayant Baliga, B.** Barrier-controlled current conduction in field-controlled thyristors 1-40574
- Jayaprakash, R.,** Ratnam, V.V. On the thermoluminescence of Sb-doped calcium fluorophosphate 1-41005
- Jayaram, N.R.** *see* Sen, S.K. 1-39673
- Jayasuriya, D.A.R.,** Medeiros Filho, F.C., Cole, R.S. Scintillation fading in an absorption region 1-46933
- Jayasuriya, D.A.R.** *see* Medeiros Filho, F.C. 1-37304
- Jayawant, B.V.** Electromagnetic suspension and levitation 1-44439
- Jayawant, B.V.** Passenger carrying vehicles using controlled DC electromagnets for suspension 1-53754
- Jaycox, J.M.,** Ketchen, M.B. Generalized tightly coupled low noise SQUID 1-28353
- Jayet, Y.,** Perdrix, M., Goutte, R. Theoretical model and experimental study of the response given by piezoelectric transducer receiver 1-30572
- Jayne, M.G.,** Williams, A.B. An investigation into the operation of a thyristor inverter with low harmonic control 1-35259
- Jean, B.** *see* Polaert, R. 1-32579
- Jean, H.D.** The past and future for nondestructive testing 1-50351
- Jean-Marie, B.** *see* Augustin, J.E. 1-43230
- Jeandot, J.L.** *see* Martin, J.-M. 1-47457
- Jeanneret, F.** *see* Glattfelder, A.H. 1-38919
- Jeansonne, D.P.** CLECO gets energy control system 1-34760
- Jecklin, J.** A different way to record classical music 1-38073
- Jecko, B.,** Papiernik, A. Radiation losses due to the interaction of charged particles with conducting bodies 1-43013
- Jedlicka, R.P.,** Poe, M.T., Carver, K.R. Measured mutual coupling between microstrip antennas 1-29001
- Jedrusik, M.,** Teisseyre, M., Nowaczewski, E. Numerical method for calculating collection efficiencies in electrostatic precipitators 1-37277
- Jee, G.** *see* Hughes, A. 1-43611
- Jefferies, D.K.** *see* Prewett, P.D. 1-38405
- Jefferson, T.R.,** Scott, C.H. Duality for quasi-concave programs with explicit constraints 1-31993
- Jeffery, C.** *see* Richards, B. 1-43354
- Jeffery, J.W.** The real costs of nuclear power in the UK 1-30605
- Jeffery, R.D.** *see* Hullett, J.L. 1-40938
- Jeffery, R.W.** *see* Law, R.D. 1-52842
- Jeffrey, A.A.** Thump eliminator 1-38062
- Jeffreys, P.** *see* Botner, O. 1-34444
- Jeffreys, P.** *see* Cockerill, D. 1-43233
- Jeffs, E.** EPOS—Gas energy from marginal off-shore fields [combined cycle power plant] 1-31135
- Jeganathan, T.V.** Hydropower development in India 1-35083
- Jegou, J.P.** *see* Cahen, C. 1-41127
- Jeiter, W.** New regulations for protection against explosion (Elex V) 1-31846
- Jejcic, A.** *see* Chehab, R. 1-48508
- Jelatis, G.J.** *see* Roth, J.A. 1-27584
- Jelenc, J.,** Langus, J., Lavrenic, F., Kavcic, M. Electronic synchroscope 1-48128
- Jelenc, J.** *see* Langus, J. 1-47881
- Jelenski, A.** Present trends in microwave technology 1-45642
- Jelinek, F.** *see* Bahl, L.R. 1-29127, 1-29128, 1-41602, 1-41607
- Jelinek, F.** *see* Nadas, A. 1-41603
- Jelks, E.C.,** Kerber, G.L. Fabrication of planar superconducting-normal-superconducting Josephson microbridges and SQUIDs using shadow evaporations 1-40850
- Jellinek, H.H.G.,** Masuda, H. Osmo-power. Theory and performance of an osmo-power pilot plant 1-31143
- Jellison, G.E., Jr.** *see* Young, R.T. 1-32603
- Jelloul, M.** Comparison of physical-optics asymptotic method and geometrical theory of diffraction for thin conducting surfaces. Application to reflector antennas 1-28868
- Jeltsch, R.,** Nevanlinna, O. Stability of explicit time discretizations for solving initial value problems 1-35903
- Jemtland, T.** Situation of and prospects for telecommunications supplies in the 1980s 1-29299
- Jen, T.-S.** *see* Chen, J.Z. 1-40686
- Jen Kai-hsienk** Some physical constraints on the use of nonsinusoidal electromagnetic waves radiation 1-51678
- Jen Lang** *see* Lang Jen
- Jena, A.K.** *see* Puthal, B. 1-39144
- Jenevein, R.,** Degroot, D., Lipovski, G.J. A hardware support mechanism for scheduling resources in a parallel machine environment 1-41991
- Jenkins, A.** *see* Cullen, A.L. 1-42734
- Jenkins, A.R.** *see* Davidson, R.I. 1-51939
- Jenkins, B.D.** Commentary on the 15th edition of the IEEE wiring regulations 1-39282
- Jenkins, B.M.** Nomogram speeds fuel and power generation calculations 1-30970
- Jenkins, D.,** Efkenan, A. Development of an aviator's night vision imaging system (ANVIS) 1-38138
- Jenkins, D.** *see* Efkenan, A. 1-38555
- Jenkins, D.** *see* Ford, R.D. 1-39064
- Jenkins, G.C.** *see* Dill, G.D. 1-29699
- Jenkins, J.** *see* Arzbacher, R. 1-52792
- Jenkins, J.M.** *see* Krishnakumar, A.S. 1-52797
- Jenkins, P.E.,** Anthon, G.D., Blakeley-Smith, A.D.C. Railway electrification—system selection and initial design 1-31573
- Jenkins, P.E.,** Anthon, G.D., Blakeley-Smith, A.D.C. Railway electrification—system selection and initial design 1-35462
- Jenkins, R.F.E.** *see* Cooper, R.E. 1-27731
- Jenkins, R.T.** *see* Stremel, J.P. 1-34807
- Jenkins, R.W.** Adaptive antenna studies for HF communications 1-41426
- Jenkins, W.K.,** Lee, C.F. Complex residue number arithmetic for digital signal processing 1-37558
- Jenkins, W.K.** *see* Cortelazzo, G. 1-50570
- Jenkins, W.K.** *see* Etzel, M.H. 1-45540
- Jenkins, W.K.** *see* Lee, C.F. 1-36065, 1-45237
- Jenkinson, B.** EBU 'C' format in retrospect 1-42429
- Jenner, P.** Fail-safe [mains powered burglar alarms] 1-39365
- Jennings, R.** Fault secure avionic system development 1-52889
- Jennings, R.M.** *see* Edmondson, T.H. 1-46249
- Jenny, B.** *see* Schmelzbach, P.A. 1-43158, 1-48552
- Jenny, F.F.** Digital solution: key to growth for rural areas [telecommunication] 1-29347
- Jenq, Y.-C.** On FIR digital filter implementations for interpolation 1-27525
- Jenq, Y.-C.** *see* Pei-Hwa Lo 1-40138
- Jenq Yih-Chyun** *see* Yih-Chyun Jenq
- Jensch, P.,** Ameling, W., Kubalski, W., Heuck, N., Meyer, J., Effert, S. A data acquisition and processing system for sequences of ultrasound echoes and video images 1-48696
- Jensen, D.H.,** Humphreys, D.R., Stephenson, W.A., Weinlein, J.H., Bivens, H.M. Pulsed neutron gamma ray logging for minerals associated with uranium 1-38570
- Jensen, D.H.** *see* Humphreys, D.R. 1-38571
- Jensen, F.** Computer simulations of inaccuracies in spherical near-field testing [antennas] 1-41323
- Jensen, H.** *see* Atac, M. 1-34442
- Jensen, H.B.** *see* Cockerill, D. 1-43233
- Jensen, H.G.** *see* Lee, J.W. 1-38794, 1-43756
- Jensen, H.G.** *see* Peyrot, A.H. 1-43735
- Jensen, J.** Perram, C. Technico-economic evaluation of solar cell/battery systems in Denmark 1-49710
- Jensen, J.D.** *see* Bouley, A.C. 1-48100
- Jensen, J.** Damsgard *see* Damsgard Jensen, J.
- Jensen, M.** Examination of bacteriological activity in submarine cables 1-52039
- Jensen, P.** DSB plans for the electrification of their main line network 1-31537
- Jensen, R.L.** *see* Maybeck, P.S. 1-34205
- Jensen, S.M.,** Jordan, C.W., Langley, R.F. Pin/chip carrier assembly 1-31884
- Jensen, T.** *see* Jonckheere, A. 1-30300
- Jenssen, H.P.** *see* Baer, J.E. 1-46720
- Jenssen, H.P.** *see* Knights, M.G. 1-46719
- Jenssen, H.P.** *see* Pollak, T.M. 1-46718
- Jenssen, H.P.** *see* Sam, C.L. 1-33214
- Jentner, W.** *see* Eissler, W. 1-42527
- Jentzsch, E.W.** *see* Schifers, A. 1-31016
- Jenvey, T.M.H.** Condensation detector 1-37032
- Jeong, M.U.,** Shirafuji, J., Inuishi, Y., Yakushiji, H., Harada, K., Oka, H. Effect of illumination and gate bias on flat-band voltage in plasma CVD Si-N on n-Si MIS structure 1-40462
- Jeppesen, P.** Domestic television—by satellite cable and/or optical fibre? 1-29832
- Jeppson, K.O.** MPC, the multiproject chip: revolutionizes teaching of IC-technology 1-26786
- Jeppson, K.O.** VLSI demand better tools 1-28053
- Jeppson, K.O.** Non volatile memories: now the 16 kbit EEPROM is coming 1-40023
- Jeppsson, K.O.** Dynamic RAM: 64 kbit in production—256 kbit under construction 1-40024
- Jerinic, G.** *see* Hanfling, J.D. 1-47013
- Jermann, P.** *see* Grein, H. 1-38917
- Jerome, D.H.** *see* Roberts, K.A. 1-46253
- Jeroslow, R.G.** A limiting Lagrangian for infinitely constrained convex optimization in  $R^{n,2}$  1-39621
- Jeroslow, R.G.** *see* Blair, C.E. 1-35850
- Jervis, B.W.** *see* Pannell, R.M. 1-30244
- Jervis, M.W.** Some aspects of design of distributed computer based control systems in CEBG power stations 1-43955
- Jervis, W.B.** *see* Gardner, G.E. 1-53305
- Jesper, T.,** Hamilton, B., Peaker, A.R. Optical and thermal properties of Cr in GaAs 1-27828
- Jespers, P.G.A.,** Jussere, C., Millet, J.-M., Mou-thuy, C. A two-chip imaging system for OCR applications 1-41012
- Jespers, P.G.A.** *see* Lambot, J.-P. 1-47892
- Jespers, S.,** Vanhoenacker, D., Sobieski, P., Vander Vorst, A. Comparison of radiometric measurements at 11.4 and 35 GHz with propagation data on the OTS space-earth path at 11.6 GHz 1-46905
- Jess, J.A.G.** *see* Theeuwes, J.F.M. 1-50390
- Jessen, K.** Production testing 1-35635
- Jessop, G.J.** Simple wideband preamplifier 1-29612
- Jeszka, S.** *see* Felczak, Z. 1-36440
- Jeffovic, M.** *see* Milutinovic, V. 1-27368
- Jethwa, J.,** Marinero, E.E., Muller, A. Nanosecond risetime avalanche transistor circuit for triggering a nitrogen laser 1-46769
- Jetschke, G.** *see* Kuhlke, D. 1-51489
- Jeunhomme, L.** Single-mode-fibre design for 4  $\mu$ m band operation 1-46512
- Jeurissen, R.H.** The incidence matrix and labelings of a graph 1-44922
- Jevtic, M.M.** *see* Tosic, T.I. 1-45915
- Jewell, A.M.** *see* Zbasnik, J.P. 1-28373
- Jewell-Larsen, S.** *see* Drori, J. 1-28127
- Jewett, R.E.,** Van Duzer, T. Low-probability punchthrough in Josephson junctions 1-28322
- Jewitt, D.E.** *see* Monaghan, M.J. 1-48695
- Jex, H.** *see* Langfeld, R. 1-27928
- Jezerink, K.,** Dolinar, D. Dynamic synchronous machine model and its application in simulation of transient appearance in electric network 1-49423
- Jha, C.S.** *see* Bhatti, T.S. 1-38298
- Jha, C.S.** *see* Singh, B.P. 1-38988
- Jhaji, H.** Singh *see* Singh Jhaji, H.
- Ji Cheng-zhou** *see* Li Shang-he 1-32627
- Ji Fuquan** *see* Bao Xiaomao 1-27891, 1-32605
- Ji Zhou Liu** *see* Liu Ji Zhou
- Ji-huan Gao** *see* Gao Ji-huan
- Ji-sheng Zhong** Effective pattern and anti-clutter performance of frequency-scanning radar antennas 1-52155
- Ji-tao Wang** *see* Wang Ji-tao
- Ji-yang Xu** *see* Xu Ji-yang
- Ji-zen Qian** *see* Qian Ji-zen
- Ji-zhe Liu** *see* Liu Ji-zhe
- Jia Chen Chen** *see* Chen Chen Jia
- Jia-chi Xu** *see* Xu Jia-chi
- Jia-Zeng Hu** *see* Hu Jia-Zeng
- Jiafang Du** *see* Du Jiafang
- Jian-Hua, D.** *see* Hong-Jun, Z. 1-46588
- Jian-quan Yao** *see* Yao Jian-quan
- Jian-Rong Bai** *see* Bai Jian-Rong
- Jian-wen Chen** *see* Chen Jian-wen
- Jiang Ching-Lin** *see* Ching-Lin Jiang
- Jiang Min-hua,** Fang Chang-shui, Yu Xi-ling, Wang Min, Zheng Tao-hong, Gao Zhang-shou Polymorphism and metastable growth of DKDP 1-39744
- Jiang Wen-hua** *see* Shui Yong-an 1-36788
- Jiang Ya-nan** A theoretical analysis on Langmuir flow effects in ring lasers 1-37177
- Jiann-Tsorn Horng** Sinusoidal microbending loss of orthogonal polarized modes in a single-mode step-index fibre 1-33046
- Jianwan Chen** *see* Chen Jianwan
- Jiaqi Yu** *see* Yu Jiaqi
- Jie Zhou** *see* Zhou Jie
- Jie-ping Han** *see* Han Jie-ping
- Jieping Han** *see* Han Jieping
- Jifuku, M.** *see* Ihara, M. 1-28085
- Jiko, H.** *see* Kumaki, S. 1-34133
- Jillie, D.W.** *see* Kroger, H. 1-51105
- Jim, C.W.** *see* Griffiths, L.J. 1-51740
- Jim Hsu Tsen-gong** *see* Tsen-gong Jim Hsu
- Jimbo, M.** *see* Naruse, Y. 1-34572
- Jimbo, Y.** *see* Kimura, T. 1-51987
- Jimenez, M.** *see* Jonker, M. 1-43256
- Jin, S.** *see* Bobeck, A.H. 1-46450
- Jin, S.** *see* Chin, G.Y. 1-46430
- Jin Au Kong** *see* Weng Cho Chew 1-28977
- Jin Lin** *see* Lin Jin
- Jin Po Wang** *see* Wang Jin Po
- Jin Sheng-jing,** Shen Guo-guang, Zhang Shi-wu A large screen electroluminescence television scanned with a matrix of electrodes 1-34078
- Jin Wei-xin** *see* Pei Rong-xiang 1-27941
- Jin-e Chen** *see* Chen Jin-e
- Jin-hua Wu** *see* Wu Jin-hua

- Jin-long Zhang *see* Zhang Jin-long  
 Jin-xiang Zhang *see* Zhang Jin-xiang  
 Jindal, R.P. *see* Suh, C.H. 1-40614  
 Jing-han Zhu *see* Zhu Jing-han  
 Jingshan Hu *see* Hu Jingshan  
 Jingui, K., Horiguchi, M., Mitachi, S., Kanamori, T., Manabe, T. Infrared power delivery in the 2.7  $\mu\text{m}$  band in fluoride glass fiber 1-40905  
 Jinhua Wu *see* Wu Jinhua  
 Jinlin Du *see* Du Jinlin  
 Jinting Lin *see* Lin Jinting  
 Jinzenji, T., Moriya, F., Kanzaki, T., Azuma, M. Three-phase static power supplies for air-conditioned electric coaches using high power GTO 1-44434  
 Jipson, V.B., Jones, C.R. Infrared dyes for optical storage 1-33021  
 Jirden, L. *see* Brummer, P. 1-48321  
 Jirousek, P. *see* Novotny, J. 1-43208  
 Jishashvili, D.A. *see* Bagratishvili, G.D. 1-46023  
 Jishu Gong *see* Gong Jishu  
 Jitsuno, T. A nitrogen ion laser pumped by a rapid discharge 1-46685  
 Jiuchun Liang *see* Liang Jiuchun  
 Jivet, I. *see* Otesteanu, M. 1-30170  
 Jiye, X. On the linear transformations for Gaussian trajectory parameters in the combined electron optical systems 1-51570  
 Jizo, Y. *see* Yamada, T. 1-51131  
 Joannou, C.S. Embedded fault detection software techniques for microcomputer systems 1-52378  
 Jobbeto, K., Seto, S., Yamamoto, K. Automotive drive transmission test system 1-42525  
 Jobling, D.T., Smith, J.G., Wheel, H.V. Active microelectrode array to record from the mammalian central nervous system in vitro 1-52452  
 Jobs, G. *see* Pfeifer, T. 1-34287  
 Jochem, W.J., Light, A.R., Smith, D. A high voltage electrometer for recording and iontophoresis with fine-tipped, high resistance microelectrodes 1-34314  
 Jocteur, R. *see* Boirat, R. 1-42228  
 Johann, H. Circuit braking arcs in electrical fuse cutouts with a granular quenching medium. III. Theory of electrical properties 1-39088  
 Johannsen, A. *see* Dahl, E. 1-49022  
 Johannesson, R. *see* Herlestad, T. 1-33512  
 Johannsen, A. Single pole transient faults—combination neutral point methods with 10 kV medium voltage systems 1-34928  
 Johansson, J., Persson, M. The surface wave components arriving: a wave on the surface gives better filters 1-28197  
 Johansson, J., Persson, M. SAW filters already used in millions of TV sets 1-28198  
 Johansson, J. *see* Bjorklund, G. 1-41864  
 Johansson, K.E. *see* Carlson, P.J. 1-43245  
 Johansson, U. Techniques for rural networks 1-29367  
 John, G. Q-band beam waveguide 1-45593  
 John, P.I. *see* Bora, D. 1-37266  
 John, P.K. *see* Tong, B.Y. 1-40987  
 John, S., Parthasarathy, R. An improved algorithm for inverting Caer I and II continued fractions 1-39845  
 John, T.J. Add milliohms measurement to your digital multimeter 1-42644  
 Johner, W. Local call simulator 1-37805  
 Johner, W. Call diverter 1-37806  
 Johns, A.T., Aggarwal, R.K. Digital simulation of fault autoreclosure sequences—with particular reference to the performance evaluation of protection for EHV transmission lines 1-49170  
 Johnsen, I. Control of floor-heating systems 1-35516  
 Johnsen, O. A new code for transmission of ordered dithered pictures 1-41794  
 Johnsen, O., Netravali, A.N. An extension of the CCITT facsimile codes for dithered pictures 1-41795  
 Johnson, A., Aldrich, J.F., Fernandes, R.A., Happ, H.H., Wirgau, K.A., Schulte, R.P., Bossard, W.R., Willson, J.D., Reed, R.E. EHV operating problems associated with reactive control 1-37463  
 Johnson, A.L. Coastal multipath fading 1-46866  
 Johnson, A.M., Auston, D.H., Smith, P.R., Bean, J.C., Harbison, J.P., Kaplan, D. Picosecond photoconductivity in amorphous silicon 1-33123  
 Johnson, A.M., Auston, D.H., Smith, P.R., Bean, J.C., Harbison, J.P., Adams, A.C. Picosecond time-resolved photoconductivity in amorphous silicon 1-46607  
 Johnson, A.M., Auston, D.H., Smith, P.R., Bean, J.C., Harbison, J.P., Adams, A.C. Picosecond transient photocurrents in amorphous silicon 1-46621  
 Johnson, A.M. *see* Auston, D.H. 1-28586  
 Johnson, A.M. *see* Smith, P.R. 1-30131  
 Johnson, A.M., Jr. Integrated distributed maintenance system 1-26968  
 Johnson, B.C. *see* Speck, D.R. 1-51409  
 Johnson, B.L. *see* Carhoun, D.O. 1-33555, 1-41519, 1-47137  
 Johnson, B.M. *see* Gregory, D.C. 1-38377  
 Johnson, B.R. *see* Moore, R.E. 1-45839  
 Johnson, C. Alternatives to OPEC oil: investment costs and financing prospects 1-53161  
 Johnson, C., Howells, M. Biofouling: new insights, new weapon 1-53246  
 Johnson, C. *see* Austin, B. 1-42891  
 Johnson, C.B. Photoelectronic sensor development projections: 1980-2000 1-34288  
 Johnson, C.B. *see* Blank, R.E. 1-38141  
 Johnson, C.D. *see* Autin, B. 1-52643  
 Johnson, C.G. *see* Grant, R.J. 1-49332  
 Johnson, C.R. On adaptive IIR filters and parallel adaptive identifiers with adaptive error filtering 1-41743  
 Johnson, C.R., Sentovich, M.F., Ho, C.Q. Star background cancellation for deep space surveillance [using high-sensitivity IR sensor systems] 1-33683  
 Johnson, C.R., Jr., Anderson, B.D.O. Sufficient excitation and stable reduced-order adaptive IIR filtering 1-37637  
 Johnson, C.R., Jr., Larimore, M.G., Treichler, J.R., Anderson, B.D.O. SHARF convergence properties 1-37498  
 Johnson, C.R., Jr. *see* Treichler, J.R. 1-42407  
 Johnson, D. *see* Fabrici, E. 1-38345  
 Johnson, D. *see* Resmini, F.G. 1-43058  
 Johnson, D. *see* Verdeyen, J.T. 1-51387  
 Johnson, D.A. *see* Bellomo, G. 1-34408  
 Johnson, D.C., Kawasaki, B.S., Hill, K.O. Fused biconical tapered fiber-optic devices: application to data buses 1-28459  
 Johnson, D.C. *see* Hill, K.O. 1-28765  
 Johnson, D.C. *see* Kawasaki, B.S. 1-36867  
 Johnson, D.C. *see* Yoshida, A. 1-46493, 1-51210  
 Johnson, D.E. Tool for cutting selected wire pairs in ribbon cable 1-50648  
 Johnson, D.E. *see* Conetti, S. 1-42877  
 Johnson, D.E. *see* Forster, R. 1-42976  
 Johnson, D.H., O'Leary, G.C. A local access network for packetized digital voice communication 1-37667  
 Johnson, D.J., Burns, E.J.T., Quintenz, J.P., Bieg, K.W., Farnsworth, A.V., Jr., Mix, L.P., Palmer, M.A. Anode plasma behavior in a magnetically insulated ion diode 1-30309  
 Johnson, D.J. *see* VanDevender, J.P. 1-30308  
 Johnson, E. *see* Glaab, J. 1-34014  
 Johnson, E.L. *see* Yanizski, G.M. 1-32435  
 Johnson, F.O. *see* Wood, P. 1-44202  
 Johnson, F.O. *see* Wood, P., Sr. 1-49586  
 Johnson, G., Hutchinson, J.M.S. An NMR imaging data acquisition system 1-52412  
 Johnson, G. *see* Zagel, J.R. 1-42800  
 Johnson, G.A. *see* Wolbarsht, M.L. 1-30484  
 Johnson, G.E., Anderson, E.W., Bair, H.E., Furukawa, T. The effect of water on physical aging of poly(vinyl acetate) 1-28182  
 Johnson, G.E., Blyler, L.L., Jr., Crane, G.R., Gieniewski, C. Thermal piezoelectric stability of poled uniaxially- and biaxially-oriented poly(vinylidene fluoride) 1-51044  
 Johnson, G.E. *see* Furukawa, T. 1-46349  
 Johnson, G.R. *see* Gonsalves, R.A. 1-37656  
 Johnson, G.W. *see* Cohen, A.O. 1-51851  
 Johnson, H.C. *see* Gazit, Y. 1-45630  
 Johnson, H.W. Solenoid driver circuit arrangement 1-27261  
 Johnson, I.B. *see* Hamann, J.R. 1-30807, 1-38822  
 Johnson, J.A. *see* Suyama, R.M. 1-42935  
 Johnson, J.F. *see* Nunes, R.W. 1-30756  
 Johnson, J.F.E., Sojka, J.J. Electrostatic analyser measurements made in a laboratory 'ionospheric' plasma 1-30333  
 Johnson, J.L., Murata, T. On the maximum number of concurrently enabled vertices in a marked graph 1-44938  
 Johnson, J.L. *see* Schreurs, J. 1-35112  
 Johnson, J.W., Thompson, A.H. Lithium cloboranes. II. Stable nonaqueous electrolytes for elevated temperature lithium cells 1-39106  
 Johnson, K.E., Verma, A. Off-peak power for hydrogen production 1-31441  
 Johnson, K.I., Scott, M.H., Dawes, C.J. Development of aluminium ball/wedge wire welding [incorporation into US process] 1-45825  
 Johnson, K.M. *see* Levenson, M.D. 1-40488  
 Johnson, K.W. *see* Aron, J. 1-48302  
 Johnson, L.B. Development and experience at a component manufacturer 1-39423  
 Johnson, L.C. *see* Mansfield, D.K. 1-37070  
 Johnson, L.F., Ingersoll, K.A. Generation of surface gratings with periods  $<1000 \text{ \AA}$  1-33078  
 Johnson, L.H. *see* Younkens, T.D. 1-43926, 1-42923  
 Johnson, L.M., Leonberger, F.J. Low-loss  $\text{LiNbO}_3$  waveguide bends with coherent coupling 1-36932  
 Johnson, L.M., Pratt, G.W., Leonberger, F.J. Integrated-optic temperature sensor 1-36972  
 Johnson, L.M. *see* Leonberger, F.J. 1-46569  
 Johnson, L.O., Killian, E.W., Helmer, R.G., Coates, R.A. Utilization of concurrently gathered pulser data for complete spectral validation of gamma-ray spectra from germanium detectors 1-34512  
 Johnson, L.O. *see* Lawrence, R.S. 1-34497  
 Johnson, M. Describes a flexible-waveguide multipole fibre-optic switch 1-36931  
 Johnson, M. Developing a small hydro-electric system 1-53296  
 Johnson, M. *see* Crow, J.D. 1-28546  
 Johnson, M. *see* Smith, P.R. 1-51283  
 Johnson, M.R. *see* Penz, P.A. 1-46591  
 Johnson, N.J.E. *see* Wijntjes, G.T. 1-47994  
 Johnson, N.L. Some translation planes constructed by multiple derivation 1-31967  
 Johnson, N.M., Biegelsen, D.K., Moyer, M.D. Grain boundaries in p-n junction diodes fabricated in laser-recrystallized silicon thin films 1-40439  
 Johnson, N.M., Biegelsen, D.K., Moyer, M.D., Deline, V.R., Evans, C.A. Deuterium at the  $\text{Si-SiO}_2$  interface detected by secondary-ion mass spectrometry 1-46002  
 Johnson, N.M., Thompson, M.J., Street, R.A. Electronic defect levels in plasma-deposited amorphous silicon 1-45941  
 Johnson, N.M. *see* Biegelsen, D.K. 1-27090  
 Johnson, N.M. *see* Thompson, M.J. 1-50823  
 Johnson, O.E. Potential economics of large space based solar power stations 1-31118  
 Johnson, P.M. *see* Esser, P.D. 1-34615  
 Johnson, R. *see* Borman, W.M. 1-52199  
 Johnson, R. *see* Davidson, V. 1-42944  
 Johnson, R. *see* Fugitt, J. 1-48356  
 Johnson, R. *see* Kim, H. 1-48331  
 Johnson, R. *see* Nowak, J. 1-45856  
 Johnson, R.C. Dual-polarized fan-beam feed horn 1-47052  
 Johnson, R.E., Parker, C.P., Reedy, D.C. Off-chip receiver circuit 1-45379  
 Johnson, R.E., Parker, C.P., Reedy, D.C. Variable threshold receiver circuit 1-45380  
 Johnson, R.E. *see* Boudon, G.M. 1-36187, 1-40048, 1-41961  
 Johnson, R.E. *see* Gaudenzi, G.J. 1-36189  
 Johnson, R.H. Microwave attenuation measurement by time interval ratio 1-42723  
 Johnson, R.H. *see* Chou, H.P. 1-48631  
 Johnson, R.L. *see* Bayraktaroglu, B. 1-46013  
 Johnson, R.M. *see* Alvarez, R.A. 1-28411  
 Johnson, R.P. *see* Ankenbrandt, C. 1-48573  
 Johnson, R.P. *see* Livnat, A. 1-30391  
 Johnson, R.W. New space initiatives through large generic structures 1-52828  
 Johnson, R.W. *see* Pitt, V.A. 1-45846  
 Johnson, R.W. *see* Shore, J.E. 1-51761  
 Johnson, S. *see* Harrison, H.B. 1-34565  
 Johnson, T. IEEE professional activities and the Control Systems Society 1-39267  
 Johnson, T.A. Reduction of very large, symmetric, non-sparse, inductance matrices [LSI packaging analysis] 1-46227  
 Johnson, T.A., Graf, E.R. Geometric considerations in the modelling of environmental clutter 1-42327  
 Johnson, T.J. Crystal calibrator 1-36139  
 Johnson, T.L. *see* Gorbics, S.G. 1-52822  
 Johnson, W.A. Survey report on Current Operational Problems 1-43519  
 Johnson, W.A., Aldrich, J.F., Fernandes, R.A., Happ, H.H., Wirgau, K.A., Schulte, R.P., Bossard, W.R., Willson, J.D., Reed, R.E. EHV operating problems associated with reactive control 1-30625  
 Johnson, W.A. *see* Nelson, T.J. 1-28257  
 Johnson, W.E. *see* Case, W.R. 1-42745  
 Johnsson, U. Reconstruction of 50 MW oil-fired hot-water boiler for firing with domestic fuel 1-49259  
 Johnston, A.R. *see* AuYeung, J. 1-41109  
 Johnston, A.R. *see* Bergman, L.A. 1-36911  
 Johnston, C. *see* Reynolds, F.H. 1-44766  
 Johnston, D.A., Jones, S.K. Spectrally efficient communication via fading channels using coded multilevel DPSK 1-29069  
 Johnston, E. Spray painting random shapes using CCTV camera control 1-52274  
 Johnston, J. *see* Dunn, W.R. 1-38560  
 Johnston, J.D. *see* Crochiere, R.E. 1-37472  
 Johnston, J.J. *see* Goldman, B.A. 1-37833  
 Johnston, K.W. *see* Arenson, J.W. 1-43329  
 Johnston, K.W. *see* Kassam, M.S. 1-43469  
 Johnston, R.H., MacArthur, R.A., Geist, V. A biotelemetry system for monitoring heart rates in unrestrained ungulates 1-30025  
 Johnstone, C.W. *see* Hall, J.E. 1-38569  
 Joho, W. *see* Adam, S. 1-43053  
 Joindot, I. *see* Simon, J.C. 1-41103  
 Jokela, K. *see* Tiuri, M. 1-48261  
 Jokisch, H. *see* Rahman, M. 1-52695  
 Joki, I. Tests of Dolby B system in Czech Radio 1-47765  
 Jolley, W.M. Analysis of delays by counting events 1-47258  
 Jolly, E.L. *see* Carlson, R.L. 1-51347  
 Jolly, R. *see* Chen, P.L. 1-36806  
 Joly, R., Heinz, W.W., Cristal, E.G. Wideband cavity tuned GaAs FET oscillator 1-45666  
 Jon-and, K. *see* Asman, B. 1-52675  
 Jonard, F., Hamel, J. Electric traction equipment on the French Railway TGV motor carriages 1-35451  
 Jonas, A.W., Garner, L.E. Leadless chip carriers for LSI packaging 1-35651

- Jonas, R.** Storm distance estimator 1-27546
- Jonckheere, A.**, Nelson, C., Collick, B., Heppelman, S., Makdisi, Y., Marshak, M., Peterson, E., Ruddick, K., Berg, D., Chandlee, C., Cihangir, S., Ferbel, T., Huston, J., Jensen, T., Lobkowicz, F., McLaughlin, M., Oshima, T., Slattery, P., Thompson, P. Enhanced 200 GeV/c  $K^+$  beam using beryllium filter 1-30300
- Jones, A.** A stereoscopic television system for industrial use 1-42425
- Jones, A.G.** Transformed coherence functions for multivariate studies 1-29161
- Jones, A.R.** Portable contamination monitor with a numerical display 1-30353
- Jones, A.Y.** *see* Josefowicz, J.Y. 1-42725
- Jones, B.M.** *see* Saraga, P. 1-52271
- Jones, C.A.** *see* Bohner, J.E. 1-31864
- Jones, C.B.** An efficient coding system for long source sequences 1-41496
- Jones, C.E.**, Nair, V., Polla, D.L. Generation-recombination centers in p-type  $Hg_{1-x}Cd_xTe$  1-50768
- Jones, C.E.** *see* Polla, D.L. 1-41016
- Jones, C.H.** A manpack satellite communications earth station 1-37865
- Jones, C.M.** The 25 MV tandem accelerator at Oak Ridge 1-42850
- Jones, C.M.** *see* Ziegler, N.F. 1-42821
- Jones, C.R.** *see* Jipson, V.B. 1-33021
- Jones, D.** *see* Chiou, W. 1-31092
- Jones, D.** *see* Pacey, K. 1-49778
- Jones, D.D.**, Myers, L.L., Findlay, J.A. BWR refill-reflood program - single heated bundle experimental task plan. Vol. I and II 1-53226
- Jones, D.E.** *see* Gurbaxani, S.H. 1-48778
- Jones, D.L.** Fibre optic link design made easy 1-28485
- Jones, D.Llanwyn** *see* Llanwyn Jones, D.
- Jones, D.S.** Note on the integral equation for a straight wire antenna 1-28987
- Jones, D.T.L.** *see* Bartle, C.M. 1-30311
- Jones, D.V.** A current sourced inverter with saturating output transformer 1-53544
- Jones, D.W.** *see* Dreyfus, R.W. 1-36820
- Jones, E.** *see* Austin, B. 1-42891
- Jones, E.** *see* Autin, B. 1-52643
- Jones, E.** Chapman *see* Chapman Jones, E.
- Jones, E.G.** A nitrogen-laser-triggered spark gap 1-35277
- Jones, E.L.L.** Generating square-waves with phase-jumps 1-50455
- Jones, E.V.** *see* Daws, D.C. 1-45411
- Jones, F.D.** *see* Baran, A.S. 1-28111
- Jones, G.J.** Photovoltaic central station applications: status and prospects 1-31111
- Jones, G.R.**, Cameron, D.C., Irving, L.D., Woodward, J. The deposition of insulators on InP using plasma-enhanced chemical vapour deposition [MOSFET fabrication] 1-50331
- Jones, G.R.** *see* Afanasiev, A.A. 1-53578
- Jones, G.R.** *see* Fang, M.T.C. 1-35311
- Jones, G.R.** *see* Sullivan, P.W. 1-50296
- Jones, H.C.** Self-activating toggle 1-36194
- Jones, H.C.** Self-resetting AC powered latch 1-36195
- Jones, H.C.** *see* Gheewala, T.R. 1-27412
- Jones, I.S.F.**, Bruzzone, F. An oceanographic Richardson number probe 1-52945
- Jones, J.D.**, Helman, D.R., Wilkinson, E.L., Dull, A.L. Homing Overlay Experiment (HOE) radiometric error terminology 1-52475
- Jones, J.D.** *see* Minnema, D.M. 1-30316
- Jones, K.C.** Updating and retraining [in electronics] 1-26785
- Jones, K.M.** *see* Fenton, P.J. 1-43748
- Jones, K.W.** *see* Gregory, D.C. 1-38377
- Jones, L.K.** *see* Fishman, P. 1-37564
- Jones, L.K.** *see* Holmes, R.B. 1-31929
- Jones, L.P.**, Goldstine, J. A characterization theorem for certain bounded deterministic context-free languages 1-39578
- Jones, L.T.**, Ressmeyer, J.J., Clark, C.A. Precision DVM has wide dynamic range and high systems speed 1-42652
- Jones, M.** Parallel-processing computer systems and their possible applications in the Agency [European Space Agency] 1-34720
- Jones, M.**, Lauque, J.-P., Hammar, R.O. An introduction to the Meteosat image preprocessing and image navigation system. II 1-34688
- Jones, M.E.** *see* Chakraborty, D. 1-47606
- Jones, M.E.** *see* Devieux, C., Jr. 1-37875
- Jones, M.G.**, Hsin-Pang Wang Experimental evaluation and finite element analysis of laser welded copper-copper and copper-aluminum joints 1-27166
- Jones, M.R.O.** *see* Hunter, W.R. 1-28748
- Jones, N.A.**, Davies, D.E.N. Studies of null steering arrays incorporating multiplicative signal processing 1-41424
- Jones, N.G.**, Moore, R.A., Huber, C.J. Optimized SAW spectral control filters for digital satellite communications system 1-37873
- Jones, P.C.** Powder coating of microcircuits 1-26942
- Jones, P.R.** Leadless carriers, components increase board density by 6:1 1-50664
- Jones, R.**, Wykes, C. General parameters for the design and optimization of electronic speckle pattern interferometers 1-47823
- Jones, R.D.** Constants of motion in a helical magnetic field 1-28850
- Jones, R.E.M.**, Evans, B.G. A European electrical engineering degree scheme 1-26790
- Jones, R.J.** Traffic lights 1-27547
- Jones, S.** *see* Youngbluth, O., Jr. 1-43458
- Jones, S.K.** *see* Johnston, D.A. 1-29069
- Jones, T.B.**, McCarthy, M.J. Dielectric measurements on partially using dielectrophoretic levitation 1-30241
- Jones, T.B.**, Spracklen, C., Stewart, C.P., Thomas, E.C. SABRE—a UK-German auroral radar 1-48867
- Jones, T.O.**, Trenne, M.U. Electronic fuel injection: diesels are next 1-44458
- Jones, T.O.**, Ziomek, J.F. The world automotive electronics market 1-31620
- Jones, W.B.**, Thron, W.J. Continued fractions. Analytic theory and applications 1-26973
- Jones, W.D.** NESC guy and anchor requirements—An overview 1-49154
- Jones, W.G.T.** System X switching 1-47499
- Jones, W.H.** *see* Bahder, G. 1-34882, 1-38758
- Jones, W.H.** *see* Tucker, C.J. 1-43461
- Jones, W.L.**, James, J.R. Synthesis of conformal HF and VHF directional arrays on spherical bodies using surface resonator techniques 1-41338
- Jones, W.T.**, Pullum, G.G. Error performance objectives for integrated services digital networks exhibiting error clustering 1-41477
- Jong, H.C.J.de** *see* de Jong, H.C.J.
- Jong, L.P.de** *see* de Jong, L.P.
- Jong, M.de** *see* de Jong, M.
- Jong, M.T.**, Thomann, G.C. A case study evaluating the potential for Small Wind Energy conversion systems (SWECS) as an integral part of the generating mix for a regional utility 1-53046
- Jong, R.De** *see* De Jong, R.
- Jong-Hyun Lee** Electron scattering profiles in SOS films measured by temperature-dependent Hall effect 1-45890
- Jong-Shi Pang** A unification of two classes of Q-matrices 1-35707
- Jong-Shi Pang** A column generation technique for the computation of stationary points 1-45000
- Jongen, H.T.**, Sprekels, J. The index-K-stabilizing differential equation 1-50101
- Jongen, Y.**, Pirart, C., Ryckewaert, G. ECREVIS construction progress report 1-43187
- Jongepier, A.** *see* Claassen, T.A.C.M. 1-47193
- Joni, S.A.**, Rota, G.-C. On restricted bases for finite fields 1-27018
- Jonker, M.**, Udo, F., Amaldi, U., Donnet, R., Flegel, W., Friend, B., Gygis, E., Jimenez, M., King, A., Schneider, F., Valente, V., Wetherell, A.M., Niebergall, F., Schutt, J., de Pedit, D. Use of streamer tubes in a large calorimetric neutrino detector 1-43256
- Jonoska, M.** *see* Bahcevandziev, S. 1-51532
- Jonson, B.** *see* Bjornstad, T. 1-48551
- Jonson, B.** *see* Hansen, P.G. 1-48539
- Jonson, B.** *see* Pahlm, O. 1-52789
- Jonsson, K.** MICAPACT II coils for high-voltage rotating machines 1-44016
- Jonsson, N.** Introduction of computer controlled exchanges in the Norwegian telecommunications network. The future seen in its setting in history 1-33892
- Jonsson, O.C.** *see* Bjornstad, T. 1-48551
- Joon Eom Hyo** *see* Hyo Joon Eom
- Joon-Hyun Kim**, Kab-Ju Hwang An efficient power flow programming 1-48965
- Jorba, J.M.Selga** *see* Selga Jorba, J.M.
- Jordan, A.G.** *see* Cooper, R.B. 1-42604
- Jordan, A.J.** *see* Zalay, A.D. 1-33299
- Jordan, A.K.** *see* Boerner, W.-M. 1-41201
- Jordan, A.M.** *see* Yavin, Y. 1-50150
- Jordan, C.W.** *see* Jensen, S.M. 1-31884
- Jordan, D.** *see* Nassibian, A.G. 1-50932
- Jordan, H.**, Muller, J., Seinsch, H.O. On the behaviour of three-phase asynchronous motors in torque-elastic drivers 1-31519
- Jordan, H.** *see* Fruchtenicht, J. 1-31497
- Jordan, H.** *see* Geysens, W. 1-53406
- Jordan, H.** *see* Kovacs, K.P. 1-53378
- Jordan, H.** *see* Walcarius, H. 1-49472
- Jordan, I.B.**, Saint-Arnaud, R. Triple junction: metal-gas-solid dielectric 1-36706
- Jordan, J.D.** *see* Hotard, D.G. 1-44733
- Jordan, J.F.** *see* Singh, V.P. 1-39122
- Jordan, J.G.**, King, B.D. Segment alignment illumination system 1-44674
- Jordan, J.M.** *see* Croy, A.Q. 1-44291
- Jordan, M.** *see* Schnyders, H.C. 1-48720
- Jordan, R.B.** Lower stress encapsulants 1-46270
- Jordan, T.A.**, Gunn, M.W. The place of programmed teaching machines in engineering education 1-31787
- Jordao, J.A.R.** *see* Hisatake, K. 1-32967
- Jordao, W.** *see* Ciarlina, R.M. 1-31096, 1-35095
- Joreskog, K.G.** Analysis of covariance structures 1-50173
- Jorgensen, P.A.** The myth of raw video. Display of radar data 1-34675
- Jorgensen, P.C.**, Lubeck, D.P., Worrest, R.W. Software testing in the No. 31 EAX with an automatic test executor 1-42122
- Jorgensen, P.S.** Navstar/Global Positioning System 18-satellite constellations 1-37981
- Jorger, W.** *see* Beha, H. 1-28320
- Jorrand, P.** Basis for the specification of communicating processes 1-51977
- Jorritsma, F.F.**, Blom, J.A., Beneken, J.E.W., Sluiter, E.R., Rowaan, C.J., Nijboer, J.A., Dorlas, J.C. Peak-to-peak detector for the arterial pulsations in the plethysmogram. I. Technical description and simulation 1-34563
- Jorritsma, F.F.** *see* Sluiter, E.R. 1-34564
- Jory, H.R.** *see* Symons, R.S. 1-32569
- Jory, V.V.** *see* Burns, C.P. 1-51672
- Josefowicz, J.Y.**, Anczowski, E., Jones, A.Y., Deslandes, Y. Bulk conductivity measurement of paper by a new in situ pressure cell 1-42725
- Joseph, A.** *see* Peshwe, V.B. 1-30552
- Joseph, C.A.** Polyimide top seal for complex solder ball configurations 1-44693
- Joseph, C.A.** Top seal composition for silicon-to-ceramic solder connectors 1-49998
- Joseph, D.M.** *see* Cooper, J.B. 1-38476
- Joseph, G.** *see* Zywiets, Chr. 1-48721
- Joseph, T.R.**, Smith, W.R. Wideband SAW transducer for IOSA applications 1-38161
- Joseph, T.R.** *see* Ranganath, T.R. 1-42582, 1-46567
- Joshi, A.**, Dewan, S.B. Modified steady-state analysis of the current source inverter and squirrel cage motor drive 1-39058
- Joshi, A.G.** *see* Joshi, S.A. 1-44260
- Joshi, I.D.**, Sharma, D. Preparation and properties of CdS sintered layers 1-27808
- Joshi, K.S.** Single core cables and associated problems 1-43692
- Joshi, N.V.**, Martin, J., Quintero, P. Potential material for narrow-band detectors in the visible range 1-51247
- Joshi, N.V.**, Martinez, L., Echeverria, R. An experimental investigation of the photoconductivity spectrum of a monocrystal of  $AgInS_2$  grown by Bridgman and chemical transport techniques 1-37005
- Joshi, R.C.**, Agrawal, D.P. Pseudo-parallel implementation of digital filters 1-36276
- Joshi, R.V.**, Chaudhari, R.T. Thermoluminescence of KBr: Tl around room temperature 1-46630
- Joshi, S.A.**, Joshi, A.G. A note on problems of termination of aluminium cables on MCCBs and MCBs 1-44260
- Joshi, S.D.**, Dubey, G.K., Pillai, S.K. Extension of control range of pulsed resistance controlled wound rotor induction motor 1-38987
- Joshi, S.G.** Effect of a static electric field on the propagation of surface acoustic waves in piezoelectric media 1-32951
- Joshi, S.M.** Analysis of a new inertial measuring system for aerospace vehicles 1-43410
- Joshin, K.** *see* Mimura, T. 1-40597, 1-50511
- Joskin, Y.** *see* Gillis, J.-M. 1-50488
- Josse, A.** Electronics: a factor in the revival of small electric motors 1-49521
- Josse, F.** *see* Lec, R. 1-32949
- Jossinet, J.**, Fourcade, C., Gardette, B. An application of bioelectrical impedance for the detection of tissular bubbles in the diver: preliminary results 1-43344
- Jostlein, H.** *see* Hanson, J. 1-34445
- Jostlein, H.** *see* Sakai, Y. 1-34448
- Joubert, A.**, Pecheux, J. Study of an energetic system which functions using solar and wind energies 1-49359
- Joubert, J.-P.** Performing work for electrifying the new Paris-South Eastern Region railway line 1-35449
- Joubert, T.** *see* Assens, R. 1-29563
- Jouhki, A.** *see* Aalto, A. 1-49323
- Joullie, A.**, Rossi, A., Bresse, J.-F., Jilil, A., Thierry-Mieg, V., Chevallier, J. ZnTe/GaAlSb heterojunctions prepared by liquid phase epitaxy 1-36505
- Journe, V.** *see* Behrend, H.-J. 1-43229
- Journeau, J.**, Barre, C. ECL and future trends 1-27460
- Journey, J.L.** *see* McElroy, A.J. 1-30623
- Jousset, J.**, Arnold, J., Avan, M., Fargeix, J., Roche, G., Teillard, Y. Energetic-distribution measurements of the atomic-field pair production process at low energy by using a streamer chamber 1-52723
- Jouy, B.** Designing and building motors for the French Railway TGV trains (high speed trains) 1-35452
- Jovanovic, D.** Static characteristics of asynchronous engine at charging over autonomous current inverter 1-44106
- Jovanovic, D.** *see* Muller, G. 1-39650
- Jovanovic, V.**, Rabrenovic, D. Predistorted attenuation characteristic of the lowpass filter with arbitrary transmission zeros 1-44542
- Jovanovic, V.** *see* Rabrenovic, D. 1-36033
- Jowett, C.** Electronic devices. XIII 1-45198
- Jowett, C.** Electronic devices. XIV 1-45366
- Jowett, C.** Electronic devices. XVI 1-45707
- Jowett, C.** Electronic devices. XV 1-49554
- Jowett, J.** *see* Hofmann, A. 1-42978

- Joy, E.B. Signal processing in electromagnetic radiation measurements 1-48186
- Joy, E.B. *see* Corey, L.E. 1-37247
- Joy, E.B. *see* Meliopoulos, A.P. 1-30810, 1-38747, 1-38757
- Joy, E.F. *see* Bauman, A.H. 1-36391
- Joy, T. *see* Eastham, D.A. 1-34413
- Joyal, A. *see* Boileau, A. 1-31970
- Joyner, T.E. AN/ASC-30 EHF/SHF command post SATCOM terminal 1-52882
- Joyner, W.J., Jr. *see* Darringer, J.A. 1-50497
- Jozic, M. *see* Vukovic, Z. 1-37817
- Jozsa, L. The application of reliability methods to capacity extensions of power station systems 1-38696
- Ju, F.D. *see* Bennett, J.G. 1-39642
- Ju, K., Hu, H.L., Hirko, R.G., Moore, E.B., Saiki, D.Y., Schwenker, R.O. Propagation of 1- $\mu$ m bubbles in contiguous disk devices 1-51096
- Ju, K. *see* Hu, H.L. 1-46442
- Ju-fang Chen *see* Chen Ju-fang
- Ju-ping Shu *see* Shu Ju-ping
- Ju-xian Yu *see* Yu Ju-xian
- Juang, B.H. *see* Wong, D.Y. 1-33875, 1-37437
- Juarez Fernandez, A.M., Gruer, J.P., Donzelli, M.A. Microprocessor-controlled telephone switchboard 1-29547
- Jubo, Y. *see* Endo, Y. 1-52382
- Juchester, J. Multiple use of number displays 1-38143
- Juchniewicz, J., Mazurek, B., Tyman, A. On some size effects of high voltage vacuum insulation 1-32907
- Jud, K. Electricity undertakings and electrotechnical standardisation 1-43484
- Judah, S.K. *see* Cullen, A.L. 1-42734
- Judaprawira, S. *see* Board, K. 1-36622
- Judaprawira, S. *see* Wang, W.I. 1-35945
- Judd, F.C. Boat engine hours counter 1-38231
- Judd, G.W., Thoss, J.L. Use of apodized metal gratings in fabricating low cost quartz RAC filters 1-32942
- Judd, R.A. *see* Shubaly, M.R. 1-43046
- Jude, N., Dechmann, J.L. The 8087 coprocessor 1-45400
- Judge, P. *see* Lee, M.J. 1-50953
- Judit Takacs *see* Andras Recski 1-45201
- Judkovics, M. Non-buffered, multi-speed time division multiplex system 1-29520
- Judy, J. *see* Toridis, T.G. 1-39652
- Juett, D.J. *see* Chapuran, F.J. 1-44001, 1-49344
- Jufer, M. *see* Wavre, N. 1-49493
- Jug, M. A digital RPM meter 1-48127
- Juh-Tzeng Lue *see* Sen-Yen Shaw 1-52592
- Juhasz, A. *see* Kiss, M. 1-38475
- Juillard, M. *see* Aune, B. 1-48429
- Jujszczyk, S., Minczuk, A., Kujszczyk, M., Woronecki, J. Automation of distribution networks configuration designing 1-53078
- Jukes, K.A., Grimble, M.J. A note on a compatriot of the real Marcinkiewicz space 1-27061
- Jukich, A.P. *see* Cummins, A.W. 1-26937
- Julian, D.G. *see* Murray, A. 1-48740
- Juliana, A. *see* Depp, S.W. 1-27273
- Julien, F., Lourtioz, J.-M. High power performances of a CW optically pumped 117  $\mu$ m/184  $\mu$ m CH<sub>2</sub>F<sub>2</sub> laser with uniform coupling 1-51362
- Julien, J. *see* Alard, J.P. 1-52717
- Juling, W. *see* Fork, K. 1-38679
- Julio, U.de *see* de Julio, U.
- Jull, E.V. Aperture antennas and diffraction theory 1-49876
- Jull, E.V. *see* Hurd, R.A. 1-41217
- Jull, G.W. *see* Hillman, B.D. 1-33784
- Jullens, R.A. *see* Kubena, R.L. 1-36630
- Jullian, S. *see* Augustin, J.E. 1-43230
- Jullien, G.A., Miller, W.C. A two-dimensional finite field processor for image filtering 1-41833
- Jullien, G.A. *see* Chottera, A. 1-51847
- Jump, J.R. *see* Dias, D.M. 1-29234
- Jun-da Ling *see* Wei-lou Cao 1-51432
- Jun-Hui, Y. *see* Hong-Jun, Z. 1-46588
- Jun-xi Lu *see* Lu Jun-xi
- Jun-yin Fan *see* Fan Jun-yin
- June Hong Se *see* Se June Hong
- Jung, G. *see* Bayer, E.H. 1-40641
- Jung, G. *see* Munzel, J. 1-48547
- Jung, J., Goto, S., Hirayama, H. A new approach to the two-dimensional placement problem with wire-congestion in master-slice LSI layout design 1-32864
- Jung, J. *see* Baker, C.C. 1-35016
- Jung, W. *see* Erdi, G. 1-36096
- Jung Paik Ho *see* Ho Jung Paik
- Jungling, K.C. *see* Humpherys, T.W. 1-46763
- Jungmeister, H.G. *see* Pospischil, R. 1-42137
- Jungnickel, H. Modern electronic power supplies. XII 1-32181
- Jungnickel, H. Modern power supplies. XI 1-39065
- Jungnickel, H. Modern power supply techniques. X 1-39908
- Jungst, K.P. Status report of TESPE 1-51121
- Jungwirth, D. *see* Massie, N.A. 1-51499
- Junhou Liang *see* Liang Junhou
- Junior, P., Deitinghoff, H., Klein, H., Muller, J., Schempp, A., Halfmann, K.-D., Muller, R.W. Low velocity acceleration with the RFQ linac structure 1-38336
- Junior, P. *see* Klein, H. 1-43088
- Junior, P. *see* Muller, R.W. 1-48336
- Junker, E. Economic branches connections and joints in the 1 kV cable system 1-30778
- Junting Lin *see* Lin Junting
- Juntunen, J. Light sources in the '80s 1-53760
- Junyent, G. *see* Agusti, R. 1-47089
- Junyin Fan *see* Fan Junyin
- Junying Fan *see* Fan Junying
- Juras, R.C. *see* Ziegler, N.F. 1-42821
- Jurgens, R. A computer program to solve the Laplace equation in three dimensions using a powerful boundary input method 1-50717
- Jurgens, R.F. High temperature electronics applications in space explorations 1-38561
- Jurgensen, H., Heyen, M., Balk, P. Epitaxial deposition of InP from the Br<sub>2</sub>/In/PH<sub>3</sub>/H<sub>2</sub> system: growth kinetics and film properties 1-50297
- Juric, J. *see* Cupin, N. 1-35598
- Jurkovic, N. *see* Mehmedovic, M. 1-53393
- Jursitzka, K. The heating of the pole winding in salient-pole machines 1-31200
- Jusseret, C. *see* Jespers, P.G.A. 1-41012
- Jussiant, C. *see* Ernould, J. 1-30634
- Just, S. *see* Lee, C.M. 1-46326
- Justiniano, E. *see* Cocke, C.L. 1-38373
- Jutilla, J.M. Guide to selecting alarms and annunciators 1-49966
- Juton, G. The TMS 9995 microprocessor 1-36184
- Jutzi, W. *see* Beha, H. 1-28320
- Juvells, I. *see* Moneo, J.R. de F. 1-37641
- Juves, J.A. *see* Mollo, C.R. 1-34837
- Jwo Shin-hong *see* Shin-hong Jwo
- Jyomura, S., Nagatsuma, K., Takeuchi, H. SAW propagation loss mechanism in piezoelectric ceramics 1-51048
- Jyomura, S. *see* Ito, Y. 1-32945, 1-51049
- Kaatze, U., Plaschke, D. A cavity resonator method for measuring the dielectric spectra of solid bodies at microwave frequencies 1-34363
- Kab-Ju Hwang *see* Joon-Hyun Kim 1-48965
- Kaban, A.V., Panas, S.I. Increasing the operational reliability of the condensing equipment of a turbine type K-500-65/3000 1-49276
- Kabanov, D.A. *see* Yegorov, Ye.A. 1-32152
- Kabe, A. *see* Baba, H. 1-48283
- Kabe, D.G. On solutions of linear matrix equations 1-26974
- Kabell, J.A. *see* Boesch, F.T. 1-33706
- Kable, J.C. Recent developments in measuring an engineer's preference for management 1-49922
- Kably, A.K. *see* Poreda, S.J. 1-31923
- Kabos, P. Analysis of  $\Delta H_{rf}$  measurement error in high magnetic biasing fields 1-51559
- Kaburagi, M. *see* Sumida, S. 1-46678
- Kacejko, P., Zielinski, J.S. Some problems of analysis of asymmetries in multi-circuit and multiphase power lines with application of the linear transformations 1-49041
- Kacenjar, S., Goldman, L., Entenberg, A. Copper activation counter calibration using solid state track detectors 1-43252
- Kachare, A.H. *see* Garlic, G.F.J. 1-35374
- Kachulak, R. A rural integrated distribution trial with fiber optics [telecommunications] 1-29750
- Kachurkov, D. *see* Anastasovski, P. 1-51337
- Kaczkowski, Z. Two-window high power piezomagnetic Alfer transducer for ultrasonic 22 kHz range 1-48922
- Kaczmarczyk, J. Flat-screen colour picture tubes 1-50728
- Kaczmarczyk, J. *see* Baykowski, J. 1-28088
- Kaczmarczyk, J. *see* Felczak, Z. 1-36440
- Kaczmarek, F. *see* Szymanski, M. 1-51407
- Kaczynski, M. Numerical modelling of rod aeriels 1-28989
- Kaczmarczyk, J. *see* Hennel, J. 1-42679
- Kadansky, V., Kirschfink, F.J., Lubelsmeyer, K., Peise, G., Rimkus, J., Wallraff, W. The liquid-argon-endcap-shower-detector for TASSO 1-43239
- Kadar, I. An on-board digital processing multibeam store-and-forward node satellite system 1-29711
- Kadar, I., Kurtz, L. A robustized vector recursive algorithm in estimation and image processing 1-33676
- Kader, A., Talbot, A. Inversion of polynomial network matrices with particular reference to sensitivity analysis 1-45171
- Kadic, M. R2 signalization in Yugoslav Telecommunication Network—experience gained in TATC M-100C Titovo Uzice 1-47315
- Kadima, H. Evaluation of the overall performances of measuring chains 1-34180
- Kadlets, I. *see* Bradach, I. 1-47069
- Kadochnikov, A.I., Men'shchikov, V.A., Dmitriev, G.I. Characteristic of an electrical steel sample upon which depends distortion of the magnetic flux in check tests 1-36010
- Kadomskaya, K.P., Tsurkan, N.V. The effect that the phase unbalance of the nonlinear elements of a power transmission system have on the transients that arise in the off time of a single-phase autoreclosure cycle 1-34929
- Kadota, T.T. *see* Hall, H.M. 1-37563
- Kadowaki, Y. *see* Ishihara, O. 1-45680
- Kadyrov, T.M., Khazanovich, I.A. Analysis of phase relationships in a two-core system with capacitive loading 1-31293
- Kadzhazhar, Ch.O., Musaev, S.A. Traveling-wave tube and klystron electronic frequency sweeper 1-27339
- Kadzhazhar, Ch.O. *see* Alekperov, S.A. 1-32636
- Kadzhazhar, Ch.O. *see* Isaev, F.K. 1-33085
- Kadzhazhar, Ch.O. *see* Arutyunov, V.E. 1-48082
- Kadzov, G.D. *see* Aleksandrov, G.N. 1-30805
- Kadzyauskas, P. *see* Undzenas, A. 1-37018
- Kaede, K. *see* Mito, I. 1-37166
- Kaehr, R., Spector, M. USAF development of optical correlation missile guidance 1-48802
- Kaesens, K. Photovoltaic solar technique—an energy technology for direct use of solar energy 1-49704
- Kaesler, H.P. *see* Chevillat, P. 1-32274
- Kafedzhieva, S.D. *see* Sakho, K.S. 1-49799
- Kafka, H.J., Hess, K. A carrier temperature model simulation of a double-drift IMPATT diode 1-40542
- Kafka, R.J., Penders, D.R., Bouche, S.H., Adibi, M.M. System restoration plan development for a metropolitan electric system 1-49013
- Kafka, V. A new power plant at Soma 1-30989
- Kaga, E. *see* Shizukushi, M. 1-28526
- Kagan, M.B. *see* Borisov, S.N. 1-49667
- Kaganov, L.N. *see* Balkovets, D.S. 1-35544
- Kaganovich, E.B., Maksimenko, Yu.N., Svechnikov, S.V. AC characteristics of photosensitive CdSe film sandwich structures 1-32727
- Kagawa, K. Revision of medical electrical equipment safety standards 1-26879
- Kagawa, K. *see* Maeda, M. 1-43372
- Kagawa, S., Kaneda, T., Mikawa, T., Banba, Y., Toyama, Y. Fully ion-implanted p<sup>+</sup>-n germanium avalanche photodiodes 1-33134
- Kagawa, T., Motosugi, G. Zn diffusion into AlGaAsSb and its application to APDs 1-27925
- Kagawa, T. *see* Fujita, F. 1-31572
- Kagawa, Y. An interface boundary decision technique in Laplace-Poisson domain problems—a finite element analysis of junction FET 1-40618
- Kagawa, Y., Maeda, H., Nakazawa, M. Finite element approach to frequency-temperature characteristic prediction of rotated quartz crystal plate resonators 1-40759
- Kagawa, Y. *see* Murai, T. 1-34628
- Kagawa, Y. *see* Shindo, T. 1-38061
- Kagayama, T. Tokai-Mura power station experience 1-53216
- Kageyama, J., Yokoyama, S., Nishibe, T., Kasatani, M., Nakata, K. Electronically controlled spark ignition system: ECIS 1-39180
- Kageyama, K., Shintani, M., Sakavori, M. Reliability of a thick-film resistor 1-50700
- Kageyama, S. Construction of efficiency-balanced designs 1-39544
- Kagiwada, R.S. *see* Dodson, D.J. 1-29653
- Kagiwada, R.S. *see* Lau, K.F. 1-36771
- Kahan, P.A. *see* Binns, K.J. 1-44101, 1-53453
- Kahkah, I. *see* Ghitau, D. 1-48843
- Kahl, P. A concept for the digital local network 1-29315
- Kahle, A.B. *see* Schiedge, J.P. 1-48842
- Kahmen, H., Loesekraut, H., Schwable, R. Deformation measurements using intermediate data techniques 1-30536
- Kahn, E., Di Paola, R., Bazin, J.P., Schmidlin, P. Detection and display of defects in medical scintigraphic images 1-48687
- Kahn, J. *see* Bannai, E. 1-50209
- Kahn, J. *see* Beaton, J. 1-36815
- Kahn, R.M. The wiretap channel with feedback 1-33423
- Kahn, S.G. Partners in risk—cost incentives in development contracts [aerospace industry] 1-49908
- Kahn, W.K. Double-ended backward-wave Yagi hybrid antenna 1-41405
- Kahoun, V. The calculation of the edge effect of a planar capacitor with regard to the finite thickness of the plates 1-36357
- Kahwaty, V.N., Kiang, Y.C. Electrically adjustable, integrated passive resistor 1-45708
- Kai, K., Kosugi, T. An acousto-optical image processor and its application to a 160 MHz interferometer 1-34025
- Kai, K., Sawa, M., Shiomi, Y., Aiba, S., Sekiguchi, H., Shibuya, N., Kosugi, T., Nakajima, H. Nobeyama radio spectrographs for solar observations 1-29825
- Kai, K. *see* Nakajima, H. 1-47754

- Kai, T.**, Furuse, M., Matsusawa, K. New balance ground relaying with countermeasure against zero phase sequence circulating current [two circuit transmission lines] 1-43770
- Kai Chang**, Thrower, F., Hayashibara, G.M. Millimeter-wave silicon IMPATT sources and combiners for the 110-260 GHz range 1-45685
- Kai Chang** see Huan C. Yen 1-47734
- Kai-hsienk Jen** see Jen Kai-hsienk
- Kai-Yu Wei** see Wei Kai-Yu
- Kai-zhou Chen** see Chen Kai-zhou
- Kaier, U.** Energy storage 1-38883
- Kailath, T.** see Lev-Ari, H. 1-29205, 1-33464, 1-41754
- Kailath, T.** see Perez, F. 1-37584
- Kailath, T.** see Reddy, V.U. 1-37503
- Kaio, N.**, Osaki, S. Optimum planned maintenance policies with lead time 1-35682
- Kaio, N.**, Osaki, S. Optimum repair limit policies with a cost constraint 1-49967
- Kaiser, H.** see Kranzer, D. 1-40692
- Kaiser, I.** Increasing the availability of equipment in basic and main distribution networks 1-34867
- Kaiser, M.** Measurement of transmission characteristics of multimode optical waveguides 1-40908
- Kaiser, M.** see Panzer, P. 1-38768
- Kaiser, P.** Loss measurements of graded-index fibers: accuracy versus convenience 1-28489
- Kaiser, P.**, Young, W.C., Cheung, N.K., Curtis, L. Loss characterization of biconic single-fiber connectors 1-28501
- Kaiser, U.** see Nitz, H.M. 1-32644
- Kaiser, W.** see Kopsinsky, B. 1-28674
- Kaiser, W.** see Hochstrasser, R. (editor) 1-26780
- Kaiser, W.D.**, O'Dea, J.J., Reynolds, D.J. The decarator rail restraint measurement vehicle 1-49767
- Kaitsuka, T.** see Inoue, T. 1-52081
- Kaivola, M.** see Aminoff, C.G. 1-33204
- Kaixun Zhang** see Zhang Kaixun
- Kaizu, K.** see Ogawa, K. 1-27393
- Kaizu, R.** see Koga, H. 1-47511
- Kajcsos, Z.** see Naday, I. 1-48651
- Kajfez, D.**, Bokka, S., Smith, C.E. Asymmetric microstrip DC blocks with rippled response 1-45627
- Kajfez, D.**, Tew, M.D. Pocket calculator program for analysis of lossy microstrip 1-27593
- Kajikawa, M.** Circulator's effect on the noise temperature performance of a reflection type amplifier 1-36337
- Kajioka, H.** The theoretical and experimental study of mode-coupled graded index fibers based on scattering matrix method 1-40915
- Kajita, Y.** see Takashima, H. 1-37853
- Kajitani, M.**, Tsukada, K., Shimizu, M., Koyama, Y., Aoki, S., Hisada, S. Single-fiber bidirectional data bus loop 1-37910
- Kajitani, Y.** A tree listing algorithm whose computational time per tree is asymptotically 0 1-31989
- Kajitani, Y.** see Kawamoto, T. 1-44936
- Kajitani, Y.** see Shinoda, S. 1-35821
- Kajiwar, M.** Analysis of interoffice signal processing 1-33710
- Kajiwar, M.** see Hishinuma, C. 1-51909
- Kajor, M.** see Hauptschein, A. 1-47299
- Kak, S.C.** Further results on maximum-length decimal sequences 1-33531
- Kak, S.C.**, Sood, A.K. On a class of interconnection networks 1-41853
- Kakabaev, A.** see Klyshchaeva, O. 1-49809
- Kakati, D.** see Ramamurthy, V. 1-36591
- Kakati, D.** see Ramanan, S. 1-46101
- Kakehi, K.** see Itoh, K. 1-51768
- Kakehi, K.** see Kawahara, H. 1-51803
- Kakehi, M.** see Kitamura, N. 1-39799
- Kakehi, M.** see Shen, J. 1-39801
- Kakhramanov, K.Sh.** Influence of samarium on the mechanical properties of semiconductor thermoelements 1-49712
- Kakhramanov, K.Sh.** see Aliev, S.A. 1-32667
- Kakihara, H.** see Harada, K. 1-53543
- Kakihara, H.** see Ninomiya, T. 1-32170
- Kakii, T.** see Miyajima, Y. 1-51169
- Kakimoto, A.**, Ogawa, K. Measurements of high-frequency dielectric properties of liquids by the solid plate displacement method 1-38277
- Kakimoto, K.** see Katsube, T. 1-46012
- Kakimoto, N.**, Ohsawa, Y., Hayashi, M. Transient stability analysis of multi-machine power system with automatic voltage regulators via Lyapunov's direct method 1-30635
- Kakinuma, Y.** see Takahashi, H. 1-47600
- Kako, Y.** see Tsukui, T. 1-31162
- Kakutani, T.** see Yoshinaga, T. 1-46976
- Kal, S.**, Bhattacharya, D., Chakraborti, N.B. Empirical relations for capacitive and inductive coupling coefficients of coupled microstrip lines 1-28959
- Kala, R.** Projectors and linear estimation in general linear models 1-50138
- Kalabanyan, G.A.**, Khoshtikyan, M.G. Selection of a rational configuration for industrial 6-10 kV mains cable networks 1-34857
- Kalaida, G.I.**, Zinovkin, V.V. Techniques for estimating additional loss in structural parts of converter transformer using scale model 1-39031
- Kalandra, P.**, Weinberger, A. Parity predict of a sum 1-50503
- Kalantarov, M.A.** see Vildgrube, G.S. 1-29898
- Kalapasev, S.** The conducting of investment projects in the electric power industry 1-30602
- Kalashnikov, V.V.**, Anichkin, S.A. Continuity of random sequences and approximation of Markov chains 1-44838
- Kalashnikov, V.A.** see Kienast, W. 1-40652
- Kalata, K.** A computer controlled television detector for light, X-rays and particles 1-34286
- Kalauz, D.** see Causevic, S. 1-51923
- Kalb, A.** see Franz, M. 1-40074
- Kalb, W.J.** see Buchoff, L. 1-45749
- Kalbermatten, K.** Methods for quality judgement and reliability evaluation of optoelectronic components 1-51289
- Kalbfleisch, G.R.** see Baggett, N.V. 1-48581
- Kalbfleisch, J.D.**, Prentice, R.L. Estimation of the average hazard ratio 1-35743
- Kalbitzer, S.** see Pfeilsticker, R. 1-40425
- Kalchev, V.** see Löffler, H. 1-51871
- Kaldis, E.** (editor) Current topics in materials science. Vol.6 1-44591
- Kalef-Ezra, J.** see Horowitz, Y.S. 1-52819
- Kalenikov, A.V.** see Kuzhekin, I.P. 1-40734
- Kalestynski, A.** Extension of finite periodic object image by a partial elimination of information 1-51862
- Kalet, M.**, Multani, J., Rajkanan, K., Saas, A. N-channel process increases speed and density of MNOS EE-PROMs 1-32253
- Kalev, I.** Cyclic plasticity models and application in fatigue analysis 1-39692
- Kalevich, E.S.** see Boiko, M.E. 1-32691
- Kalhammer, F.** R&D status report. Energy management and utilization division 1-35241
- Kalhammer, F.** R&D status report: energy management and utilization division [transportation] 1-53720
- Kalhor, H.A.**, Illyas, M. Scattering of plane electromagnetic waves by a grating of conducting cylinders embedded in a dielectric slab in free space 1-41216
- Kalia, R.K.** see Cole, T. 1-32713
- Kalicka, R.**, Zielonko, R. Rapid methods for the measurement of the parameters of microelectronic IF amplifiers with AGC 1-32205
- Kalikhman, V.L.**, Khas'kin, O.S. Additive methods for production of printed-circuit boards 1-27696
- Kalimov, A.G.**, Kozlov, V.S., Stabnikov, M.V., Tarakanov, V.I., Tombak, M.A., Budziak, A., Ivanov, I.C., Shcherbakov, Yu.A. Hydrogen streamer chamber with laser registration 1-48628
- Kalina, H.**, Reiche, H. Complex reliability circuits as an aid to the rationalisation of reliability in industrial installations 1-39433
- Kalinichik, V.P.** see Prakhovnik, A.V. 1-30662
- Kalinchuk, V.I.** Spatial information transmitting capacity of optical isoplanar data transmission channel 1-41803
- Kalinichenko, A.J.** Control of thyristor impulse invertors of DC current using digital computers 1-31310
- Kalinin, A.N.** see Bednyi, B.I. 1-32651
- Kalinin, V.N.**, Fromzel', V.A. Heat release in ytterbium-erbium glasses during laser and lamp pumping 1-33215
- Kalinin, V.V.** see Bondarenko, V.I. 1-28367
- Kalinina, N.A.** see Alekseev, G.D. 1-52706
- Kalinkovich, I.F.**, Maidl', Yu.V. High-voltage step voltage generator 1-27350
- Kalinowska, B.** see Gniewinska, B. 1-36731
- Kalinowski, B.** see Chorowski, J. 1-49165
- Kalinowski, J.J.** Impacts of microcomputer technology on the management of product development 1-31811
- Kalinowsky, S.A.**, Forte, M.N. Steady state load-voltage characteristic field tests at area substations and fluorescent lighting component characteristics 1-44160
- Kalinski, J.** Self-regulating microwave equipment for stable measurements of nonelectrical quantities 1-42731
- Kalinski, J.** A chopped subcarrier method of simultaneous attenuation and phase-shift measurement under industrial conditions 1-48197
- Kalinski, J.** Self-regulating microwave installations for continuous measurement of nonelectrical quantities 1-52355
- Kalintsev, A.G.** see Andreev, R.B. 1-41164
- Kalish, R.** see Braunstein, G. 1-32751
- Kalish, R.** see Janai, M. 1-50318
- Kalisz, J.** Wired-OR ECL one-shot has near-zero propagation time 1-45359
- Kaliszczak, W.** Rural telecommunication in the Koszalin region 1-29357
- Kalitkin, N.N.** see Ermakov, V.V. 1-45037
- Kalitzova, M.G.**, Simov, S.B., Pantchev, B.G., Danesh, P., Kirov, K.I., Djakov, A.E. Amorphous to crystalline state conversion in deposited silicon layers 1-27789
- Kaliyugavaradan, S.** Single-resistance-controlled RC-oscillator using a single operational amplifier 1-27336
- Kalkner, W.** see Henkel, H.J. 1-53123
- Kalkreuth, D.** see Kunert, H. 1-53855
- Kallenbach** see Furchert, H. 1-31506
- Kallenbach** see Furchert, H.J. 1-49725
- Kallenberg, L.C.M.** see Hordijk, A. 1-44979
- Kallend, J.S.** An electronic 'angle marker' for the Siemens texture diffractometer 1-48154
- Kallesen, D.R.** see Ewy, K.A. 1-43739
- Kallina, G.** Computer optimisation for range system power plants 1-34964
- Kallmeyer, M.** see Baier, H. 1-27302
- Kalm, J.** Office automation coming, telecopying here 1-51930
- Kalman, G.**, Van Eck, R. Power conditioning hardware for three-phase AC traction 1-49770
- Kalman, Z.H.** see Lalevic, B. 1-50838
- Kalmanash, M.H.** Miniature high contrast color display indicator [aircraft cockpit display] 1-52874
- Kalmykov, Yu.V.**, Maier, V.Ya. Asymmetry of electrical working conditions in an arc furnace as a parameter of control 1-35523
- Kalmykova, N.P.**, Kolomiets, B.T., Smorgonskaya, E.A., Shpunt, V.Kh. Dynamics of transient processes in the switching effect in glassy chalcogenide semiconductors 1-36490
- Kalnboltskii, Yu.M.**, Solodovnik, A.I., Bondarenko, V.N. An algorithm for designing static frequency converters using the output signal in orthonormalized space L bases 1-31335
- Kal'nishevskii, V.Y.**, Mokrousov, V.A., Gubanov, B.I. Thermal testing of the prototypes of the KhtGT K-500-65/3000 turbines 1-31031
- Kal'nitskii, A.P.**, Fainshtein, A.I. Device for measuring surface potentials 1-30219
- Kalnitsky, A.**, Zukotynski, S., Sumski, S. Surface photovoltage in Ge-doped p-type Al<sub>0.5</sub>Ga<sub>0.5</sub>As 1-51254
- Kalnitsky, K.** see Mabus, L. 1-31042
- Kalogeropoulos, T.** see Brando, T. 1-34483
- Kaloi, C.M.**, Hatfield, D., Simon, P. Microstrip backfire antenna 1-51710
- Kalomiris, V.E.** see Thompson, R.E. 1-33068
- Kaloshia, V.P.**, Khapalyuk, A.P. Dispersion equation of a flat waveguide manufactured from a quadratically inhomogeneous material 1-37348
- Kalousek, J.**, Vlasak, R., Srb, M. Interconnecting the Czechoslovak STEI system with foreign database systems via the telecommunications channel Moscow, Prague, Laxenburg (IIASA) 1-41945
- Kalpapak, S.**, Hameed, M.A.S. Availability of a special series system 1-39460
- Kalscheuer, W.** see Klockhaus, H. 1-31349
- Kalsi, S.S.** see Heinrich, J.P. 1-28381
- Kalter, H.L.**, Kotecha, H.N. Shared contact non-volatile device cells 1-46305
- Kalter, H.L.** see Furman, A. 1-27265
- Kalter, H.L.** see Gaffney, D.P. 1-40639
- Kalton, N.J.** Subalgebras of Orlicz spaces and related algebras of analytic functions 1-35798
- Kaltschmidt, G.**, Kunz, B., Mertens, K. Miniaturized multi-function storage telemetry to obtain field-data on stress in office and factory environment 1-30430
- Kaluzny, J.** Acousto-optical effect in liquid crystals 1-51238
- Kalyan, V.** see Talukdar, S.N. 1-34768, 1-48977
- Kalyuzhnyy, G.V.** see Alekseychik, M.I. 1-50229
- Kam, K.** see Kline, G. 1-35335
- Kam, P.K.** 'O' repeat bipolar code 1-47119
- Kam Kwong Man** see Man Kam Kwong
- Kamada, H.**, Ieki, T. Automatic paper loading in high speed line printer 1-31856
- Kamae, T.** Development of a public facsimile communication system using storage and conversion techniques 1-29389
- Kamae, T.**, Inada, T., Endo, T., Suzuki, N., Takeda, H. System design for facsimile intelligent communication system (FICS-1) 1-33760
- Kamae, T.** see Aihara, H. 1-43211
- Kamae, T.** see Ohmori, T. 1-33759
- Kamal, A.K.** see Nair, R.A. 1-41435
- Kamalov, V.F.** see Bareika, B. 1-28699
- Kamangar, F.A.**, Rao, K.R. Adaptive coding of NTSC component video signals 1-29111
- Kamangar, F.A.** see Rao, K.R. 1-33667
- Kamar, A.** see Chalmers, B.J. 1-49496
- Kamar, A.M.A.** see Penman, J. 1-44122
- Kamardin, V.M.** see Aronson, E.V. 1-36021
- Kamarinos, G.** see Christoloveanu, S. 1-30111
- Kamarzin, A.A.** see Batirov, T.M. 1-46616
- Kamata, N.**, Kamiya, T., Yanai, H. Accurate determination of temperature rise in Burrus-type LEDs by using resonant reflection spectra 1-28596
- Kamata, Y.** see Yamagiwa, T. 1-44279
- Kamath, G.S.** see Holmes, D.E. 1-39788
- Kamaya, M.** see Oguchi, T. 1-30023
- Kambayashi, T.**, Suematsu, Y. Amplification characteristics of integrated twin-guide laser amplifier 1-46755
- Kambe, T.** see Chiba, T. 1-46267

- Kamegaya, T.** Plasma display development being pursued vigorously 1-40370
- Kamei, K.,** Kawasaki, H., Chigira, T., Nakanishi, T., Kawabuchi, K., Yoshimi, M. Extremely low-noise MESFETs fabricated by metal-organic chemical vapour deposition 1-46133
- Kamei, T.,** Kimura, Y. KEK accelerator facilities and TRISTAN project 1-42790
- Kamei, T.,** Matsuzaki, E. Properties of anodic oxide films prepared on nitrogen-doped tantalum films 1-28145
- Kamei, T.** *see* Ikeda, H. 1-42967
- Kameishi, M.** *see* Miyata, T. 1-45587
- Kamel, A.H.** *see* Felsen, L.B. 1-46987
- Kamen, J.** A method for the resolution of slot magnetomotive forces into symmetrical components and its application to the analysis of AC machines 1-35121
- Kamensky, A.** *see* Gaskill, J.R., Jr. 1-45840
- Kameo, Y.** *see* Mukunashi, H. 1-37914
- Kamide, N.** *see* Hori, Y. 1-39138
- Kamihashi, S.,** Kuroda, M., Hirai, K. Novel PIN diode for MIC phase shifter 1-27618
- Kamijo, Y.,** Watanabe, K. Effect of Ne-Ar mixtures in gas tube protector 1-43799
- Kamijoh, T.,** Kuriyama, K. Annealing effects on electrical properties of LiInSe<sub>2</sub> 1-40434
- Kamikawai, R.,** Yamada, M., Chiba, T., Furumaya, K., Tsuchiya, Y. A critical path delay check system 1-45416
- Kamikura, Y.** *see* Ogai, M. 1-36944
- Kamimura, K.,** Suzuki, T., Kunioka, A. Metal-insulator semiconductor Schottky-barrier solar cells fabricated on InP 1-35352
- Kamin, J.Y.** *see* Hores, R. 1-39337
- Kaminaka, N.** *see* Nomura, N. 1-32975
- Kaminishi, K.,** Nawata, S. Practical method of improving the uniformity of magnetic fields generated by single and double Helmholtz coils 1-37286
- Kaminishi, K.,** Roy, R., Short, R., Mandel, L. Investigation of photon statistics and correlations of a dye laser 1-46710
- Kaminishi, K.** *see* Akiyama, M. 1-45310
- Kaminow, I.P.,** Nahory, R.E., Stulz, L.W., Dewinter, J.C. Performance of an improved InGaAsP ridge waveguide laser at 1.3  $\mu\text{m}$  1-33230
- Kaminow, I.P.** *see* Marcuse, D. 1-41031
- Kaminow, I.P.** *see* Ogawa, K. 1-41106
- Kaminow, I.P.** *see* Pao-Lo Liu 1-37114
- Kamins, T.L.,** Cass, T.R., Dell'Oca, C.J., Lee, K.F., Pease, R.F.W., Gibbons, J.F. Lateral epitaxial recrystallization of deposited silicon films on silicon dioxide 1-50283
- Kaminska, A.** *see* Kaminska, E. 1-46083
- Kaminska, E.,** Piotrowska, A., Kaminska, A., Klimkiewicz, M. Etching procedures for GaP surfaces 1-46083
- Kaminski, G.** Fields, parameters and characteristics of asynchronous linear-rotating motor 1-39010
- Kaminski, G.,** Kant, M., Virolleau, A. Study of the linear rotating motor 1-49499
- Kaminski, J.** *see* Malag, A. 1-28812
- Kaminskii, A.A.,** Fedorov, V.A., Mochalov, I.V. New data on the three-micron lasing of Ho<sup>3+</sup> and Er<sup>3+</sup> ions in aluminates having the perovskite structure 1-46715
- Kaminskii, A.A.,** Sarkisov, S.E., Pavlyuk, A.A., Lyubchenko, V.V. Anisotropy of luminescence properties of the laser crystals K<sub>2</sub>Gd(WO<sub>4</sub>)<sub>2</sub> and KY(WO<sub>4</sub>)<sub>2</sub> with Nd<sup>3+</sup> ions 1-33127
- Kaminskii, M.P.** *see* Sheftel', I.T. 1-40241
- Kaminsky, D.,** Bert, A.G., Dittin, A. A power FET octave bandwidth traveling wave combiner amplifier 1-45665
- Kaminsky, V.I.** *see* Bogdanovitch, B.U. 1-48467
- Kaminsky, Y.** *see* Fee, J.J. 1-29707, 1-47620
- Kamise, T.** *see* Kosugi, K. 1-39228
- Kamitz, R.** *see* Pfanschmidt, H. 1-29232
- Kamiya, S.** *see* Nakagawa, S. 1-33583
- Kamiya, T.** *see* Furui, Y. 1-36950
- Kamiya, T.** *see* Kamata, N. 1-28596
- Kamiya, T.** *see* Seki, K. 1-33229, 1-37119, 1-41105
- Kamoun, F.** A drop and throttle flow control policy for computer networks 1-33805
- Kamp, Y.** *see* Delsarte, P. 1-36036
- Kamp, Y.** *see* Delsarte, Ph. 1-50383
- Kampa, H.** *see* Babic, H.G. 1-31893
- Kampas, F.J.,** Griffith, R.W. Optical emission studies of reactive species in plasma deposition 1-45103
- Kampfen, Y.** *see* Friedery, A. 1-38314
- Kamphorst, J.G.** *see* Schoonman, J. 1-44343
- Kampwirth, R.T.,** Gray, K.E. NbN materials development for practical superconducting devices 1-28281
- Kamshilin, A.A.,** Miteva, M.G. Effect of infra-red irradiation on holographic recording in bismuth silicon oxide 1-28802
- Kamukai, T.** *see* Kotake, T. 1-38704
- Kamynin, Yu.N.,** Kozlovskii, V.V., Bobylev, V.A. Automatic protection against operational current leakage 1-50655
- Kan, H.** *see* Matsumura, S. 1-31294
- Kan, T.** *see* Miller, J.L. 1-51389
- Kanada, H.,** Okazaki, K., Tachibana, M., Kato, R., Murai, S. Channel-order router—a new routing technique for a masterslice LSI 1-36211
- Kanada, Y.** *see* Abe, Y. 1-31945
- Kanade, T.** *see* Ariki, Y. 1-47251
- Kanaev, A.S.,** Putrin'sh, Yu.Yu. Use of the force of an electromagnetic field to monitor the electrical conductivity and quality of articles 1-32118
- Kanaev, A.V.** *see* Basov, N.G. 1-51375
- Kanai, A.,** Shin-ichi Kuribayashi, Nakamura, T., Shigei, Y. Considerations on the heterogeneous packet—handling in packet-switched communication networks via satellite 1-41846
- Kanai, H.** Low energy LSI and packaging for system performance 1-46284
- Kanai, K.** *see* Nomura, N. 1-32975
- Kanai, T.** *see* Nakajima, T. 1-51260
- Kanai, T.** *see* Ueda, J. 1-29369
- Kanaji, H.** *see* Kawasaki, T. 1-52332
- Kanamori, A.** On p-points over a measurable cardinal 1-31976
- Kanamori, A.** *see* Segawa, T. 1-31010
- Kanamori, M.** *see* Matsumura, H. 1-40581
- Kanamori, T.** *see* Jinguji, K. 1-40905
- Kanamori, T.** *see* Mitachi, S. 1-51161
- Kanamori, T.** *see* Mitachi, S. 1-51170
- Kanatani, Y.** *see* Hasui, K. 1-29564
- Kanatani, Y.** *see* Takeda, M. 1-41028
- Kanatani, Y.** *see* Uede, H. 1-48173
- Kanavets, V.I.,** Rudnev, A.P., Sokolov, S.A., Cherepenin, V.A. Resonance scattering of an electromagnetic wave by a stream of relativistic oscillators 1-28871
- Kanavets, V.P.** *see* Buklei, A.E. 1-30325
- Kanaya, F.** *see* Wakahara, T. 1-29504
- Kanaya, K.** *see* Baba, N. 1-46838
- Kanaya, Y.** *see* Odawara, G. 1-45424
- Kanazashi, M.** *see* Innami, Y. 1-39096
- Kanazawa, K.,** Matsunami, H. Plasma-grown oxide on InP 1-27955
- Kanazawa, K.K.** Resistive black body pyrometric radiometer 1-52464
- Kanazawa, K.K.** *see* Galwey, R.K. 1-50412
- Kanazawa, R.M.** *see* Deyst, J.J. 1-34992
- Kanazawa, S.** *see* Hayashi, S.A. 1-52651
- Kanazawa, S.** *see* Takekoshi, Y. 1-45446
- Kanbara, K.** *see* Ogasawara, T. 1-28294, 1-28366
- Kanbara, S.** *see* Yamaguchi, H. 1-30607
- Kanbe, H.,** Grosskopf, G., Mikami, O., Machida, S. Dark current noise characteristics and their temperature dependence in germanium avalanche photodiodes 1-51273
- Kanbe, H.** *see* Ando, H. 1-27927, 1-33136, 1-41015
- Kanbe, H.** *see* Hara, E.H. 1-41019, 1-51274
- Kanbe, H.** *see* Susa, N. 1-32065
- Kanda, M.,** Ries, F.X. Dipole-based EM probe grabs complex fields 1-30088
- Kanda, M.,** Ries, F.X. A broad-band isotropic real-time electric-field sensor (BIRES) using resistively loaded dipoles 1-48041
- Kanda, Y.** V-bipolar device utilizing built-in stress gradient 1-40556
- Kandaswamy, J.** *see* Bridges, D. 1-43234
- Kandaswamy, J.** *see* Brody, A. 1-34436
- Kandeil, A.Y.** *see* Immarrigone, J.-P.A. 1-45135
- Kandel, G.L.** *see* Genter, C.R., II 1-43284
- Kandiah, K.,** White, G. Status at Harwell of opto-electronic and time-variant signal processing for high performance nuclear spectrometry with semiconductor detectors 1-34509
- Kandidov, V.P.** *see* Egorov, K.D. 1-37215
- Kandoh, Y.** *see* Nakano, F. 1-51233
- Kandt, R.K.,** Newlon, R. Self-improving diagnostics for automatic test equipment 1-52376
- Kane, D.W.** *see* Penz, P.A. 1-46591
- Kane, J.,** Serizawa, M. High-efficiency small-size antenna for VHF/FM radio reception 'FM wing antenna' 1-33401
- Kane, M.H.** *see* Clancy, D.E. 1-31262
- Kane, S.M.** *see* Sanders, I.L. 1-46444
- Kaneda, J.** *see* Hirao, S. 1-53747
- Kaneda, S.** *see* Fujiwara, E. 1-47135
- Kaneda, T.,** Chiba, S., Indo, H., Isomura, K., Matsushita, H., Irie, T. Electron beam welding of rotor shaft for high temperature gas turbine 1-49838
- Kaneda, T.** *see* Ito, M. 1-37037
- Kaneda, T.** *see* Kagawa, S. 1-33134
- Kaneda, T.** *see* Shirai, T. 1-46632
- Kaneda, Y.** *see* Fuji, S. 1-43323
- Kaneda, Y.** *see* Matsuo, M. 1-43321
- Kanefusa, S.,** Nitta, M., Haradome, M. Oscillations in a SnO<sub>2</sub>-based gas sensing device exposed to H<sub>2</sub> gas 1-30085
- Kaneki, T.** Improvement of front to back ratio by choke loaded at edge of parabolic antenna 1-33405
- Kaneko, E.,** Hanmura, H., Kawakami, H., Saito, S. A pocket-sized liquid crystal TV display 1-52233
- Kaneko, E.** *see* Yanabu, S. 1-39098, 1-44273
- Kaneko, H.** Recent trends in magnetic fluids 1-51080
- Kaneko, K.** *see* Horie, N. 1-29915
- Kaneko, K.** *see* Kobori, Y. 1-34099
- Kaneko, K.** *see* Maio, K. 1-27589
- Kaneko, K.** *see* Matsubara, S. 1-44366
- Kaneko, K.** *see* Mizutani, T. 1-51036
- Kaneko, M.,** Tamura, H., Onoe, M. An overview of image processing algorithms. I. Recent topics on orthogonal transforms 1-41796
- Kaneko, N.,** Tabata, J., Miyoshi, T. Electrochromic display watch design 1-52539
- Kaneko, S.,** Saito, T. Improvement of the open circuit voltage of amorphous silicon solar cells 1-49688
- Kaneko, Y.** *see* Imamura, H. 1-52662
- Kaneko, Y.** *see* Ohgushi, Y. 1-43290
- Kaneku, S.** *see* Miki, S. 1-33652, 1-51837
- Kanellopoulos, J.D.,** Clarke, R.H. A method for calculating rain depolarization distributions on microwave paths 1-28914
- Kanellopoulos, J.D.,** Clarke, R.H. Prediction of cross-polarization discrimination statistics for propagation through spatially nonuniform rain 1-33349
- Kanellopoulos, J.D.,** Clarke, R.H. A study of the joint statistics of rain depolarization and attenuation applied to the prediction of radio link performance 1-33350
- Kanellopoulos, J.D.** *see* Metrou, N. 1-51649
- Kanellopoulos, J.D.** *see* Uzunoglu, N.K. 1-51594
- Kanemaru, K.,** Saito, H. Development of fluorinated ethylene propylene (FEP) laminated paper for EHV/UHV oil-filled cable 1-49114
- Kanemasa, A.,** Maruta, R., Nakayama, K., Sakamura, Y., Tanaka, S. An LSI chip set for DSP hardware implementation 1-41746
- Kaneshiro, R.** *see* Gray, P.R. 1-45521
- Kaneta, K.** *see* Nomura, S. 1-28165
- Kanev, B.N.,** Rozhdestvenskii, A.N. Stability of controlled spectrum transposer 1-40810
- Kanevskiy, Z.M.** Entropy evaluation of radio transmission secrecy 1-41471
- Kang, G.S.,** Fransen, L.J., Kline, E.L. Medium-band speech processor with baseband residual spectrum encoding 1-41580
- Kang, H.** Multi-Hit Time-to-Amplitude CAMAC Module (MTAC) 1-34505
- Kang, S.-C.** *see* Brasch, F.M., Jr. 1-53028
- Kang, S.D.,** Allan, J.D., Ashmore, B., Herndon, T., Wolpert, S., Bruncke, W.C., Thorpe, T., Spicer, J. A 30 ns 16×1 fully static RAM 1-27472
- Kang Eui Tock** *see* Eui Tock Kang
- Kang Sung Mo** *see* Sung Mo Kang
- Kang Zhu Yin** *see* Zhu Yin Kang
- Kang-Jin Guo** *see* Guo Kang-Jin
- Kani, K.** Microcomputer LSI design and CAD 1-40054
- Kaniel, A.** FSK transmitter uses two gated oscillators 1-39967
- Kanik, A.** Type TNP thyristorized machine tool feed servo drive systems 1-31725
- Kanmuri, N.** *see* Seki, S. 1-47570
- Kann, W.J.** *see* Baker, C.C. 1-35016
- Kannan, N.** *see* Narkus-Kramer, M. 1-53162
- Kannan, R.** Random correspondence and nonlinear equations 1-50096
- Kannan, R.** *see* Hausmann, D. 1-45001
- Kannari, F.** *see* Ogura, T. 1-27356
- Kannewurf, C.R.** *see* Gaw, C.A. 1-37001
- Kanniyappan, C.,** Elangovan, S. Equivalents for power system stability studies 1-48966
- Kanno, H.** *see* Sugai, T. 1-29977
- Kanno, I.** *see* Miura, S. 1-38496
- Kanno, M.** *see* Suzuki, J. 1-34058
- Kanno, N.** *see* Fujita, S. 1-52113
- Kanno, R.** *see* Takeda, Y. 1-50762
- Kano, I.** *see* Uchida, Y. 1-30971
- Kanomata, I.** *see* Sakudo, N. 1-38391
- Kanomata, I.** *see* Tokiguchi, K. 1-46059
- Kanorski, S.I.,** Kaslin, V.M., Yakushev, O.F. Optically pumped Na<sub>2</sub> laser 1-28658
- Kanov, L.H.** *see* Chalaya, A.T. 1-53432
- Kanow, W.** *see* Nolde, W. 1-42397
- Kant, K.** Display systems and terminals in plants 1-30000
- Kant, M.** *see* Kaminski, G. 1-49499
- Kantak, A.V.** *see* Chie, C.M. 1-30503
- Kantariya, R.V.,** Pavelets, S.Yu., Fedorus, G.A. Mechanisms for the degradation of the photocurrent sensitivity of Zn<sub>x</sub>Cd<sub>1-x</sub>S heterojunctions 1-49668
- Kanteladze, N.G.** *see* Bandzeladze, A.E. 1-34316
- Kantelberg, G.,** Liero, A., Fuchs, G. MIC mixers for homodyne microwave routes in EPR spectrometers 1-32403
- Kantemir, A.D.** *see* Kosyuk, Y.F. 1-30910
- Kanter, I.** The apparent disparity between the responses of a monopulse receiver to jammers and to passive targets 1-34003
- Kanter, I.** The effect of thresholding in reducing glint from extended targets 1-34004
- Kantner, E.** *see* Bellows, R.J. 1-31415
- Kantor, G.** *see* Hochuli, C.U. 1-48692
- Kantor, L.Y.,** Tsriln, V.M., Pankov, G.H., Portnoy, S.L. TDMA satellite system applications in the USSR 1-47643
- Kantor, L.Ya.,** Kumysh, E.I., Lokshin, B.A., Pokras, A.M., Sokolov, A.V., Tsriln, V.M., Tsriln, I.S., Chekhovskiy, E.Ya. The receiving station of the Moskva system 1-37885

- Kantor, L.Ya.**, Minashin, V.P., Povolotskii, I.S., Sokolov, A.V., Talyzin, N.V. The 'Moskva' satellite television broadcasting system 1-37884
- Kantor, P.Ya.**, Korobkov, L.A., Kokoshkin, V.P., Tsirlin, V.M. The transmission of information in digital form in satellite communications systems 1-47597
- Kantserov, V.** *see* Deutschmann, M. 1-34480
- Kantserov, V.** *see* Fabjan, C.W. 1-48585
- Kantserov, V.** *see* Ludlam, T. 1-34481
- Kanyo, M.** *see* Naday, I. 1-48651
- Kanyuka, Yu.I.** *see* Lushchaev, G.A. 1-30078
- Kanzaki, T.** *see* Komiya, K. 1-48118
- Kanzaki, T.** *see* Jinzenji, T. 1-44434
- Kao, C.** Fiber optics R&D in the 1980s 1-46525
- Kao, C.** Fiber optics research and development in the 1980s 1-46537
- Kao, C.K.** *see* Dworkin, L. 1-37927
- Kao, K.C.**, Wei, Hwang. Electrical transport in solids. With particular reference to organic semiconductors 1-35588
- Kao, R.**, Olson, W. Comparative study of QRS morphology classification for arrhythmia analysis 1-52793
- Kao Chen, Main, G.G., Jr.** Industrial relighting program—its purpose, progress, and prospects 1-44473
- Kapaev, V.V.** *see* Burgov, V.Ya. 1-28418
- Kapany, N.**, Telfer, D.J. Some developments in couplers for fibre optic systems 1-46502
- Kapetanakos, C.A.** *see* Golden, J. 1-52652
- Kapil, D.V.S.**, Sinha, S.M. Repair limit suspension policies for a 2-unit redundant system with 2-phase repairs 1-35687
- Kapilevich, B.Yu.** *see* Berger, M.N. 1-40210, 1-50627
- Kapilow, D.** *see* Felch, K.L. 1-32392
- Kapitanov, N.N.** *see* Buryak, V.A. 1-39961
- Kapitonov, M.V.** *see* Anisimov, V.I. 1-39962
- Kapitsa, M.L.**, Kutidusov, A.V., Telyatnikova, T.A. Some properties of the activated surface of  $Ga_{1-x}In_xAs$  1-32539
- Kaplan, A.A.** *see* Lozovoi, B.S. 1-35541
- Kaplan, A.E.** Optical bistability that is due to mutual self-action of counterpropagating beams of light 1-46792
- Kaplan, A.E.** *see* Bjorkholm, J.E. 1-46791
- Kaplan, B.-Z.**, Bachar, S.-T. Analysis of a fundamental oscillatory process in three phases and some of its applications 1-45314
- Kaplan, B.-Z.**, Saaroni, R., Suckert, B. Analytical and experimental approaches for the design of low-distortion Wien bridge oscillators 1-45316
- Kaplan, D.** *see* Johnson, A.M. 1-33123
- Kaplan, D.** *see* Szydio, N. 1-50334
- Kaplan, G.** Charge hysteresis measurements of MOS structures 1-50837
- Kaplan, G.S.** *see* Buyantuev, S.L. 1-35275
- Kaplan, H.** Infrared thermal sensing and how we use it 1-52396
- Kaplan, L.H.**, Lane, J.G., Zimmerman, S.M. Single layer lift-off structures from E-beam-exposed resists 1-27892
- Kaplan, L.H.** *see* Bassous, E. 1-27896
- Kaplan, M.**, Braunstein, A. Contribution to the determination of the optimum site for substations 1-44156
- Kaplan, M.**, Meyerhofer, D. Sensitivity of diazoquinone resists to optical and electron-beam exposure 1-32748
- Kaplan, R.** *see* Sundelin, R. 1-43084
- Kaplan, R.A.** Selected applications of laser technology in semiconductor manufacture 1-27911
- Kaplan, V.V.** *see* Bystruzev, A.K. 1-39080
- Kaplin, V.A.** *see* Abrazov, M.G. 1-36415
- Kaplon, A.**, Hawrykiewicz, A. A computer system for measurement and calculation of combustion process in an internal combustion engine 1-39179
- Kaplunova, L.** *see* Undzenas, A. 1-37018
- Kaplunovich, G.Ya.** Existence of a convex surface with a given integral curvature in elliptic space and solvability of the Monge-Ampere equations 1-35802
- Kapolka, J.** Test equipment for a thyristor logic system 1-53519
- Kapoor, A.K.**, Henderson, H.T. Injection-gated DI diode with gate-controlled holding voltage 1-36584
- Kapoor, S.C.** Dynamic stability of static compensator—synchronous generator combination 1-35159
- Kapoor, S.C.** Dynamic stability of static compensator—synchronous generator combination 1-44060
- Kapoor, V.B.** *see* Kumar, A. 1-31848, 1-35673
- Kapoor, V.J.** Charge-coupled devices with submicron gaps 1-32881
- Kapoor, V.J.**, Bailey, R.S., Smith, S.R. Impurities-related memory traps in silicon nitride thin films 1-46163
- Kapoor, V.J.**, Bibyk, S.B. Energy distribution of electron-trapping centers in low pressure chemically vapor-deposited  $Si_3N_4$  films 1-32719
- Kapoor, V.J.**, Turi, R.A. Charge storage and distribution in the nitride layer of the metal-nitride-oxide-semiconductor structures 1-27874
- Kappelmeyer, O.**, Rummel, F. Investigation on an artificially created fracture in a shallow and low permeable environment 1-53295
- Kappenman, J.G.**, Albertson, V.D., Mohan, N. Current transformer and relay performance in the presence of geomagnetically-induced currents 1-30813
- Kappenman, J.G.**, Albertson, V.D., Mohan, N. Current transformer and relay performance in the presence of geomagnetically-induced currents 1-34948
- Kapralov, V.P.**, Krylov, P.S., Mironov, A.V., Privolov, V.E., Tkachenko, L.P. Standard-460M He-Ne laser stabilized by saturated absorption in iodine 127 1-41056
- Kapralov, V.P.**, Malyshev, G.M., Pavlov, P.A., Privolov, V.E., Fofanov, Ya.O., Etsin, I.Sh. Measurement of the wavelength ratio of lasers stabilized by saturated absorption in iodine and methane 1-52593
- Kapron, F.P.**, Kneller, D.G., Garel-Jones, P.M. Aspects of optical frequency-domain reflectometry 1-40936
- Kapron, F.P.**, Sladen, F.M.E., Garel-Jones, P.M., Kneller, D.G. Attenuation and pulse broadening along concatenated fiber links 1-29767
- Kaps, C.**, Feltz, A. The influence of concentration gradients on the rectifying behaviour of amorphous Ge-Se-Pb layers 1-27848
- Kaps, C.**, Feltz, A. Preparation and DC conductivity studies of amorphous layers with the composition  $Ge_{35}Se_{53}Te_{10}Hg_2$  1-40429
- Kaptsov, L.N.** *see* Golyaev, Y.D. 1-33250
- Kapungu, G.P.**, Olaniran, O.O., Ajayi, G.O. A sensitive radiosonde for refractivity measurements in a tropical environment 1-43438
- Kapur, N.**, Dutta Roy, S.C. Method for reducing coefficient sensitivity in lowpass CCD transversal filters 1-40108
- Kapur, V.K.** *see* Bube, K.R. 1-49673
- Kapusta, F.** *see* Behrend, H.-J. 1-43229
- Kapustinskas, A.I.** Properties of periodically non-stationary processes 1-50155
- Kapustinskas, A.I.**, Romanchikaite, D.T. Two-channel evaluation of parameters of autoregression-sliding mean process on basis of observations subject to interference from correlated noise 1-41467
- Kapustka, R.E.** *see* Lukens, F.E. 1-30521
- Kapustyan, A.N.** *see* Bragin, A.A. 1-45589
- Kar, A.K.**, Kimmitt, M.F., Serafetinides, A.A. Absorption saturation of n-type gallium phosphide 1-41140
- Kar, A.K.** *see* Gupta, P.K. 1-46671
- Kar, A.K.** *see* Harrison, R.G. 1-51393
- Kar, M.L.**, Hornkohl, J.O., Farmer, W.M. A new approach to Fourier analysis of randomly sampled data using linear regression technique 1-37597
- Kar, M.L.**, Hornkohl, J.O., Farmer, W.M. An algorithm for spectral estimation of randomly sampled data 1-41787
- Kar, S.**, Jain, S., Chakacherry, E.A., Bhattacharya, S. 'On electrochemical solar cells' 1-53647
- Karaji, S.** *see* Kawaguchi, Y. 1-27879
- Karakashev, V.A.**, Romanenko, S.G., Filippov, A.S., Anuchin, O.N. Analysis of errors and sensitivity of the optimum linear filter of a longitudinal channel in a complex navigational system 1-36234
- Karakulev, Yu.A.** *see* Petrov, V.P. 1-30124
- Karapetyan, M.M.** Utilization of low and high voltage electric equipment at heights exceeding 1000 m above sea level 1-31909
- Karapetyan, M.M.**, Sanagyan, R.T. Investigation of 35-110 kV line and equipment exterior insulation and oil-filled power transformers under high-mountain conditions 1-34897
- Karapetyan, M.M.**, Vartazaryan, V.G. Development of high altitude arrestors 1-34945
- Karapiperis, L.** *see* Balasubramanyam, K. 1-50861
- Karasawa, Y.**, Shiokawa, T. Analysis of multipath fading due to sea surface scattering in the maritime satellite communication 1-46898
- Karasawa, Y.** *see* Shiokawa, T. 1-41427
- Karasek, F.W.** Combined concepts lead to automated GC system 1-52350
- Karasev, S.P.** *see* Batygin, Yu.V. 1-52646
- Karasev, V.G.** *see* Ageyev, A.I. 1-42866
- Karasev, V.V.** *see* Borodai, P.I. 1-35229
- Karasik, A.Ya.** *see* Dianov, E.M. 1-46533
- Karasyuc, V.N.** *see* Bayanov, B.F. 1-48465
- Karasz, F.** *see* Feldblum, A. 1-32892
- Karavaev, F.M.** *see* Gubkin, E.S. 1-52713
- Karban, O.** *see* Hardy, W.C. 1-43162
- Karberg, D.M.** How to control papermachine speed 1-39256
- Karbowiak, A.E.** *see* Irving, D.H. 1-51181
- Karbukov, O.E.** *see* Buchin, A.V. 1-41153
- Karcianias, N.** *see* Jaffe, S. 1-27053
- Karchenko, T.P.** *see* Fokin, Yu.A. 1-53051
- Karchevskii, A.J.** *see* Babichev, A.P. 1-51380
- Karchkov, V.A.** *see* Lushchaev, G.A. 1-30078
- Karcz, L.**, Madeja, L. A new specialization of the Polish boiler-making industry—FAKOP's production of heat exchangers for nuclear power plants 1-44684
- Karczewski, G.**, Kowalczyk, L., Szczerbakow, A. Diode laser action in  $Pb_{1-x}Mn_xS$  1-46754
- Kardauskas, M.J.**, Fonash, S.J., Ashok, S., Krishnaswamy, S.V., Messier, R.F. Sputtered iron oxide/silicon heterostructures 1-45982
- Kardevan, P.** *see* Adam, A. 1-48839
- Kardo-Sysoev, A.F.** *see* Grekhov, I.V. 1-36378
- Karelin, N.M.** *see* Spivak, G.V. 1-32680
- Karelin, V.I.** *see* Bosamykin, V.S. 1-32534
- Karetko, A.I.** *see* Gubonin, N.S. 1-30493
- Karev, Yu.I.** *see* Grasyuk, A.Z. 1-51372
- Karger, R.** *see* Gunther, M. 1-34228
- Karhu, S.I.** *see* Sandell, H.A. 1-41337
- Karhunen, J.**, Oja, E. A fast method for optimal adaptive data compression 1-33678
- Karim, M.A.**, Kua-Kuang Liu Linear versus logarithmic spatial filtering in the removal of multiplicative noises 1-37643
- Karimov, B.Kh.** *see* Barsukova, M.L. 1-33119
- Karimov, B.Kh.** *see* Fridkin, V.M. 1-33118
- Karin, M.** *see* Austgen, P. 1-30154
- Karino, S.** *see* Yamada, T. 1-51131
- Karinskii, S.S.**, Zyubrik, A.I., Dokhikyan, R.G., Deev, V.N., Zhovtanetskii, O.I., Fit'o, V.M., Barba, V.I. Possible use of photothermoplastics in recording Fourier spectra of radio signals 1-37235
- Karivaratha Rajan, P.**, Reddy, H.C., Swamy, M.N.S. 4-fold rotational symmetry in 2-D functions 1-45543
- Karivaratha Rajan, P.** *see* Reddy, H.C. 1-40122
- Karka, K.**, Unfried, A. Drag lifts, chair lifts and single cable cars 1-31540
- Karkhin, V.A.** *see* Kotoenko, G.I. 1-28837
- Karkkainen, S.**, Virolainen, R. Statistical distributions of reliability indices and unavailability costs in distribution networks and their use in the planning of networks 1-49094
- Karkowski, Z.** Application of microprocessors in modern measuring technique 1-52340
- Karl, N.** *see* Demianets, L.N. 1-31777
- Karlin, S.**, Rinott, Y. Entropy inequalities for classes of probability distributions. I. The univariate case 1-26990
- Karlin, S.**, Rinott, Y. Entropy inequalities for classes of probability distributions. II. The multivariate case 1-44834
- Karlner, I.** *see* Parker, S.I. 1-43235
- Karlner, M.M.** *see* Fomel, B.M. 1-48452
- Karlof, J.** *see* Downey, C. 1-33500
- Karlsson, E.R.** Antenna system for the EXOSAT satellite 1-41379
- Karlsson, I.** *see* Derneryd, A.G. 1-29000
- Karlsson, U.** Laser tool saves time and money 1-51547
- Karmaker, H.C.** Electromagnetic force calculation by Maxwell stress tensor and integral equation formulation 1-53350
- Karmatskiy, N.I.** *see* Il'yashenko, E.I. 1-28259
- Karmaz', V.V.** *see* Voitovetskii, V.K. 1-30374
- Karmokolias, C.**, Portnoy, W.M., Saeks, R.E. Optimal selection of IC fabrication parameters 1-36653
- Karnaukhov, A.M.** *see* Abdullayev, A.G. 1-32717, 1-40473
- Karney, D.F.** Duality gaps in semi-infinite linear programming—an approximation problem 1-27039
- Karnopp, D.** Minimum energy-loss control of electro- and hydro-mechanical modulated convertor drives 1-44409
- Karns, R.C.** The significance of software costs 1-51632
- Karolczak, J.** *see* Szymanski, M. 1-51407
- Karovska, M.** *see* Bahcevandziev, S. 1-51532
- Karp, R.M.**, Orlin, J.B. Parametric shortest path algorithms with an application to cyclic staffing 1-26999
- Karpeev, S.V.** *see* Golub, M.A. 1-41168
- Karpel'son, A.E.** *see* Korolev, M.V. 1-36732, 1-36733, 1-43472
- Karpenko, N.N.** *see* Buklei, A.E. 1-30325
- Karpenko, V.A.**, Stolyarov, Yu.D., Kholomeyev, V.F. Theoretical and experimental investigations of a rectangular dielectric waveguide 1-28964
- Karpenko, V.M.**, Vlasov, A.F., Bilyk, G.B. The melting of parameters of welding electrodes with an exothermic coating mixture 1-53836
- Karpenko, V.N.** *see* Malakhov, V.P. 1-27304
- Karpenkov, S.Kh.** Determination of the magnetic flux of an integral head 1-40816
- Karpilovskii, L.P.**, Gress, R.I. Effect of green density on the sintering of electric porcelain 1-27169
- Karpman, V.I.**, Kaufman, R.N. Whistler detraping from a density crest duct 1-41240
- Karpov, G.V.** Physical-experiment automation in construction of large electric machines 1-31211
- Karpov, I.V.**, Kotov, V.T., Nikiforov, Yu.A., Tarasov, E.P., Khramov, A.Ya. A portable power amplifier Y059 1-27322
- Karpov, N.R.** Recirculation measuring transducer converting short time intervals into code 1-30269
- Karpov, N.R.** *see* Chepalov, V.K. 1-27545
- Karpov, Yu.M.** *see* Minakov, M.D. 1-52708
- Karpovich, I.A.** *see* Bednyi, B.I. 1-32651, 1-37009

- Karpovsky, A. *see* Goodman, M.S. 1-34447
- Karpovsky, M. On the radius of binary linear codes 1-33562
- Karpovsky, M. Weight distribution of translates, covering radius, and perfect codes correcting errors of given weights 1-51775
- Karpowicz, J.L. *see* Krishnakumar, A.S. 1-52797
- Karpukhin, V.V. Circuit for information readout from drift chambers 1-30371
- Karpukhin, V.V. *see* Alekseev, G.D. 1-52706
- Karpushko, F.V., Sinitsyn, G.V. Compression of nanosecond optical pulses by wideband sweeping 1-33266
- Karpychev, N.I. *see* Andreev, A.Ts. 1-28478
- Karras, M. *see* Myllyla, R. 1-34424
- Karrer, H.E., Fleming Dias, J., Larson, J.D., Pering, R.D., Maslak, S.H., Wilson, D.A. A phased array acoustic imaging system for medical use 1-38502
- Karsch, A.F., Mizzi, J.V. Non-chatter drive device 1-31508
- Kartashov, O.G. *see* Khomyakov, E.N. 1-41724
- Kartsev, V.P., Steklov, V.Yu. V.I. Lenin and electrification 1-44416
- Kartuzhanskii, A.L., Tsendrovskii, V.A. Investigation of the dielectric characteristics of gelatin films 1-38279
- Karunathilaka, S.A.G.R., Hampson, N.A., Leek, R., Sinclair, T.J. The impedance of the alkaline zinc-manganese dioxide cell. I. Variation with state of charge 1-44320
- Karvitskii, S.M. *see* Meshcherskii, N.N. 1-42639
- Karvonen, L.G. *see* Allen, M.A. 1-42954
- Karwan, M.H., Rardin, R.L. Surrogate duality in a branch-and-bound procedure 1-35853
- Karwan, M.H. *see* Villarreal, B. 1-44993
- Karwoski, R.J. Digital signal processing and Fourier transforms 1-35931
- Karwoski, R.J. Digital signal processing and Fourier transforms. II 1-41633
- Karowska-Lamparska, A. Signal sampling by a line-multiplexing method 1-29240
- Karowska-Lamparska, A. Influence of television signal sampling methods upon picture quality 1-47774
- Karyakin, N.I. *see* Bogharov, V.I. 1-51613
- Karyakin, V.L. *see* Drugov, M.I. 1-50465
- Kas, I. Testing unassembled printed circuit boards with automatic measuring equipment 1-36398
- Kasa, Z., Hiro, S. Some construction considerations of the Balaton psychophysiological analyzer 1-38474
- Kasaei, K.S. Principles and methodology of testing for airtightness 1-50358
- Kasagi, J., Angius, S., Kashy, E. Beam transport calculations for K-500 cyclotron operation at Michigan State University 1-48362
- Kasagi, N. *see* Mizutani, H. 1-43442
- Kasahara, J., Taira, K., Kato, Y., Dohsen, M., Watanabe, N. Fully ion-implanted GaAs ICs using normally-off JFETs 1-51014
- Kasahara, J., Watanabe, N. A model for thermal conversion of semi-insulating GaAs 1-27819
- Kasahara, J., Watanabe, N. Shallow p<sup>+</sup> layer in GaAs formed by zinc ion implantation 1-40389
- Kasahara, J. *see* Dohsen, M. 1-46152
- Kasahara, K., Yanagisawa, T., Sakai, K., Adachi, T., Inoue, K., Tsutsumi, T., Hori, H. A liquid-crystal display panel using an MOS array with gate-bus drivers 1-42694
- Kasahara, K. *see* Yanagisawa, T. 1-52547
- Kasahara, M. The centralized substation control system for railway 1-31580
- Kasahara, M. *see* Hirasawa, S. 1-41500
- Kasahara, M. *see* Sugiyama, Y. 1-33552
- Kasahara, Y., Inaba, R. Temperature-stabilized wide-band ultrasonic delay line 1-36748
- Kasai, K., Sone, T., Utsunomiya, T. Electromagnetic detection of metal surface defects 1-27190
- Kasai, R. *see* Ohwada, N. 1-51897
- Kasami, T., Lin, S., Wei, V.K.W., Yamamura, S. Graph-theoretic approaches to the code construction for the two-user multiple-access binary adder channel 1-33498
- Kasami, T. *see* Mori, M. 1-33844
- Kasangian, S., Rossi, F. Some remarks on symmetry for a monoidal category 1-31913
- Kasano, K. *see* Iwade, M. 1-48178
- Kasarbada, C. *see* Matkari, A.K. 1-40239
- Kasatani, M. *see* Kageyama, J. 1-39180
- Kasatkin, B.A. Pulsed and transient characteristics of a contact piezoelectric transducer 1-38616
- Kasatkin, B.A., Pavin, N.Ya. Multiparameter optimization and energy estimates for wideband piezoelectric transducers 1-30104
- Kasatkin, B.S. *see* Tsaryuk, A.K. 1-49835
- Kasatkin, O.G. *see* Budzan, B.P. 1-49834
- Kasatkin, V.V. *see* Gilman, B.I. 1-33145
- Kasaya, M., Isikawa, Y., Takegahara, K., Kasuya, T. Electron concentration dependence of transport and magnetic properties in narrow gap semiconductor EuB<sub>6</sub> 1-27844
- Kasdan, A., Chimenti, R.J.L., deNeufville, J.P. Selective detection of uranium by laser-induced fluorescence: a potential remote-sensing technique. II. Experimental assessment of the remote sensing of uranyl geologic targets 1-34684
- Kasdan, A. *see* deNeufville, J.P. 1-34683
- Kase, I. *see* Takeuchi, M. 1-42022
- Kasemset, D. Impact ionization in Ga<sub>1-x</sub>Al<sub>x</sub>Sb: an alternative interpretation 1-51275
- Kash, R. Building quality analog circuits with C-MOS logic arrays 1-51013
- Kash, R. Analogue integrated semiconductor circuits in MOS-technology 1-51029
- Kasha, H. *see* Leipuner, L.B. 1-43259
- Kasha, H. *see* Makowiecki, D. 1-34500
- Kashchuk, A.P. *see* Burq, J.P. 1-52679
- Kasherininov, P.G., Sladkova, V.A. Nature of negative conductivity (infrared quenching) of high-resistivity semiconductor crystals 1-33115
- Kashiki, K., Morinaga, N., Namekawa, T. An optimum switching level for switch and stay diversity technique 1-42165
- Kashio, J. *see* Takahashi, M. 1-33991
- Kashiwa, S., Ichie, T. Obstacle detection system using image processing technique 1-29213
- Kashiwa, T. *see* Miwa, S. 1-52126
- Kashiwagi, M. *see* Taniguchi, K. 1-32879
- Kashiwayanagi, Y. *see* Kikuta, T. 1-29638
- Kashkalov, V.I., Polovinkin, B.I. Design of a balanced rectifier circuit with neutral rectifiers and a capacitor 1-39054
- Kashkalov, V.I., Polovinkin, B.I. A rectifier with balanced diodes and a capacitor in the neutral lead 1-39062
- Kashnikov, B.P. *see* Akhmetov, V.D. 1-27790
- Kashnikov, B.P. *see* Dvurechenskii, A.V. 1-32665
- Kashnikov, G.N., Orlov, V.K., Panin, A.N., Piskunov, A.K., Reznikov, V.A. Pulse-periodic iodine photodissociation laser pumped with radiation from magnetoplasma compressors 1-28655
- Kashtelyan, V.E. *see* Gertsenberg, G.R. 1-31189
- Kashy, E. *see* Kasagi, J. 1-48362
- Kashy, E. *see* Naulin, F. 1-38422
- Kashyap, R., Beeve, M.H., Russell, J., Titchmarsh, J. Single-ended on-line extrusion-coating induced strain measurements in optical fibers using phase delay 1-36894
- Kashyap, R., Reeve, M.H., Hornung, S.H., Cassidy, S.A. Diagnostic on-line fibre-strain measurement in optical fibre loose tube extrusion packaging rig 1-40952
- Kashyap, R.L., Chellappa, R., Ahuja, N. Decision rules for choice of neighbors in random field models of images 1-44817
- Kashyap, S.C. *see* Bhushan, B. 1-27174, 1-40731
- Kasim, T.A. An electronics workshop for recent graduates 1-44622
- Kaskinen, P. Correcting power factor with capacitors 1-53001
- Kaslin, V.M. *see* Kanorskii, S.I. 1-28658
- Kaspar, K., Emmerling, M. Development of the RF accelerating system for the GSI heavy ion synchrotron 1-48370
- Kasper, E. Low-temperature epitaxy of silicon by molecular beam epitaxy (MBE) 1-27133
- Kasper, E. *see* Konig, U. 1-35949
- Kasperkovitz, D. An integrated FM-receiver 1-29886
- Kasperkovitz, D. An integrated FM receiver 1-38009
- Kaspi, A. *see* Berger, T. 1-29055
- Kasprzak, B. An adaptation of the minicomputer MERA 302 for the control of a measuring system having the interface IEC-BUS 1-52328
- Kasprzyk, A. *see* Bach, S. 1-36700
- Kassam, M.S., Lau, C.W., Cobbold, R.S.C., Johnston, K.W. Directional CW Doppler ultrasound using a double-heterodyne demodulator 1-43469
- Kassam, S.A. Robust hypothesis testing for bounded classes of probability densities 1-37383
- Kassam, S.A. The performance characteristics of two extensions of the sign detector 1-47177
- Kassam, S.A., Shin, J.G. Performance of a robust detector for the Rayleigh fading channel 1-37562
- Kassem, W. *see* de Buda, R. 1-33556
- Kasser, J., Nerz, K.P. Testing of industrial components by means of acoustic emission analysis 1-30583
- Kassing, D. Satellite power systems under consideration by the United Nations 1-35098
- Kassing, D., Seibert, G. Energy from space: a survey of activities for power generation using space technology 1-53313
- Kassing, D. *see* Stoewer, H. 1-31459
- Kassing, R. *see* Kerber, U. 1-36536
- Kastalsky, A.A., Shur, M.S. Conductance of small semiconductor devices 1-50781
- Kasten, D.G. *see* Caldecott, R. 1-53064
- Kasten, D.G. *see* Scalley, B.R. 1-48954
- Kastl, H. Efficient energy conversion (possibilities for the electricity supply industry: combined heat and power; practical examples) 1-53243
- Kastli, U. *see* Bertscher, H. 1-38830
- Kastner, M. *see* Orenstein, J. 1-40426
- Kastner, R., Mittra, R. A spectral-iteration technique for analyzing scattering from arbitrary bodies 1-51591
- Kastner, R. *see* Mittra, R. 1-47015
- Kasturi, R., Krile, T.F., Walkup, J.F. Multiplex holography for space-variant processing. A transfer function sampling approach 1-28791
- Kasturi, R., Krile, T.F., Walkup, J.F. Space-variant 2-D processing using a sampled input/sampled transfer function approach 1-29226
- Kasuga, M. Design of digital filters for variable attenuation equalizer 1-50562
- Kasuga, M., Mochizuki, M. Orientation relationships of zinc oxide on sapphire in heteroepitaxial chemical vapor deposition 1-39798
- Kasuga, T., Kawakubo, T., Takeda, S., Someya, H., Suetake, M. Transverse bunched beam instability in KEK booster 1-48446
- Kasuga, T. *see* Hirata, Y. 1-34370
- Kasuga, Y. *see* Shioya, H. 1-37881
- Kasuya, T. *see* Kasaya, M. 1-27844
- Kasuya, T. *see* Suzuki, T. 1-33195
- Kas'yanova, L.V. *see* Grinev, A.Yu. 1-51229
- Kasymakhunova, A.M. *see* Borisov, S.N. 1-49667
- Kasymakhunova, A.M. *see* Gorodetskii, S.M. 1-31472
- Katagi, T. *see* Homma, Y. 1-47071
- Katagi, T. *see* Matsunaka, N. 1-52099
- Katagi, T. *see* Sato, S. 1-47031
- Katagi, T. *see* Urasaki, S. 1-47078
- Katagiri, K. *see* Iwazaki, M. 1-32451
- Katagiri, Y. *see* Fujisaki, H. 1-47092
- Katahoire, A.M.S., Raghuvver, M.R., Kuffel, E. Power frequency and impulse voltage breakdown along silicone oil/XLPE interface 1-28172
- Katajainen, J. *see* Nevalainen, O. 1-35800
- Katano, F., Furutsuka, T., Higashisaka, A. High speed normally-off GaAs MESFET integrated circuit 1-28104
- Katano, K. *see* Ishii, N. 1-37538
- Kataoka, T., Kitaura, K., Saito, N. Prospects for industrial machinery and equipment 1-44548
- Kataoka, T., Nishikata, S. Transient performance analysis of self-controlled synchronous motors 1-44069
- Kataoka, T., Watanabe, E.H., Kitano, J. Dynamic control of a current source inverter/double wound synchronous machine system for AC power supply 1-44213
- Kataoka, Y. *see* Ito, T. 1-46015, 1-46016
- Katayama, H. Practical applications of FFT analyzer rising 1-52422
- Katayama, H. *see* Abe, H. 1-34109, 1-34109
- Katayama, I. *see* Matoba, M. 1-34482
- Katayama, T. Analysis of a tandem queueing system with gate attended by a moving server 1-47268
- Katayama, T. Analysis of a tandem queueing system with gate attended by a moving server 1-51878
- Katayama, T., Nakanishi, T., Yamada, S. Injection and accumulation method in the TARN 1-43037
- Katayama, T., Watanabe, S., Yoshizawa, M., Takanaka, M., Tokuda, N., Fujino, T., Omata, K. RF stacking system in the TARN 1-48382
- Katayama, T. *see* Noda, A. 1-43038
- Katayama, T. *see* Takasago, H. 1-41018
- Katayama, T. *see* Tokuda, N. 1-48436
- Katayama, T. *see* Watanabe, M. 1-42822
- Katayama, Y. *see* Kurokawa, T. 1-51168
- Katayama, Y. *see* Takato, N. 1-33025
- Katayama, Y. *see* Yamada, M. 1-39026, 1-44181
- Katch, T. *see* Ikeda, H. 1-42967
- Katchanov, N.N., Konzhukov, F.I. One reason for the unstable operation of instruments for the nondestructive testing of grades of steel 1-45154
- Kate, H.H.J. *see* ten Kate, H.H.J.
- Kate, H.H.J. *see* Ten Kate, H.H.J.
- Kate, J.H. *see* ten Kate, J.H.
- Kateley, W., Lilienthal, H., Ruf, R., Tsuei, C. Amorphous Cr<sub>80</sub>B<sub>20</sub> and Cr<sub>60</sub>B<sub>40</sub> extremely high corrosion resistant alloys 1-39821
- Katerinokhina, N.N. Search for maximal upper null-point for one class of monotonic functions in k-base logic 1-44781
- Kates, J.C. Digital flicker-free slow can multispectral imagery display 1-38136
- Kates, J.C. *see* Price, W.R. 1-47968
- Katic, O. *see* Popovich, M.V. 1-50548
- Katilyus, P.I., Samushis, R.K. Calculation of low-power asynchronous salient-pole electric motors by the method of equivalent magnetic circuits 1-49457
- Katilyus, R. *see* Bareikis, V. 1-32623
- Katkov, Yu.D. *see* Fisenko, V.V. 1-38875
- Katmani, A.D. *see* Brillson, L.J. 1-27864
- Kato, F., Ogawa, H., Aoki, T. Recent development in railway substation system and equipment 1-44446
- Kato, H., Fujita, H. Inception and suppression of bow-tie treeing caused by metallic contaminants in crosslinked polyethylene 1-28186
- Kato, H., Furukawa, T. Two-dimensional type-preserving circular windows 1-47197

- Kato, H.** *see* Suzuki, T. 1-33195
- Kato, I.** *see* Ito, T. 1-27867
- Kato, K.** *see* Ueda, J. 1-33869, 1-52022
- Kato, M.** Fixed resistors adapting to new market needs 1-50632
- Kato, M., Ishii, C.** A method for eliminating dummy lag time in the transient analysis of electrical networks through the concept of digital wave filter 1-45214
- Kato, M., Nakanishi, K.** Transient analysis of RLC line by separating delay and loss 1-32147
- Kato, M., Takatsuki, T., Yoshida, Y.** DDX 1-41868
- Kato, M.** *see* Aiga, M. 1-46157
- Kato, M.** *see* Matsushima, H. 1-34156
- Kato, N.** *see* Ohmori, M. 1-45436
- Kato, R.** *see* Kanada, H. 1-36211
- Kato, R.** *see* Miyazaki, N. 1-43875
- Kato, S.** *see* Horiba, Y. 1-32315
- Kato, S.** *see* Ikeda, K. 1-43288
- Kato, S.** *see* Saito, Y. 1-32433
- Kato, S.** *see* Sasaki, T. 1-45414
- Kato, S.** *see* Watanabe, Y. 1-29681, 1-52083
- Kato, T., Takasaki, E.** Measurements of phase shift due to beam loading in KEK linac 1-48435
- Kato, T.** *see* Fukumoto, S. 1-43049
- Kato, T.** *see* Furuya, T. 1-43101
- Kato, T.** *see* Shida, K. 1-34177
- Kato, T.** *see* Shimamoto, S. 1-28369, 1-51118
- Kato, Y., Kitayama, K., Seikai, S., Uchida, N.** Transmission characteristic measurement of two-mode optical fiber 1-28452
- Kato, Y.** *see* Dohsen, M. 1-46152
- Kato, Y.** *see* Kasahara, J. 1-51014
- Kato, Y.** *see* Kitayama, K. 1-51404
- Kato, Y.** *see* Kuroda, J. 1-51431, 1-51507
- Kato, Y.** *see* Yamanaka, C. 1-51412
- Katoh, H.** *see* Itoh, N. 1-30905
- Katoh, R.** *see* Tanaka, C. 1-46266
- Katoh, S., Suzuki, F., Yutoh, M., Nagai, Y.** Development of 'Sumicel' aluminium laminated polyethylene sheathed coaxial cable 1-37848
- Katoh, T.** *see* Kurihara, H. 1-47228
- Katronge, G.A., Northover, G.** Chip carriers [for computer applications] 1-39404
- Katronge, G.A., Northover, G.** Chip carrier applications 1-44713
- Kats, L.I.** *see* Ershov, V.V. 1-36329
- Katschinski, N.** The 16 bit Z 8000 family 1-27389
- Katsenelenbaum, B.Z.** Excitation of an arbitrary cross section dielectric waveguide at near-critical frequencies 1-33381
- Katsev, A.** *see* Pangelova, N. 1-46808
- Katsevich, L.S., Pirogov, N.A.** Parameters, design, and operation of steel melting arc furnaces 1-31711
- Katsman, G.L.** Bounds on volume of linear codes with unequal information-symbol protection 1-29096
- Katsman, G.L.** *see* Boyarinov, I.M. 1-37411
- Katsube, T., Kakimoto, K., Ikoma, T.** Temperature and energy dependences of capture cross sections at surface states in Si metal-oxide-semiconductor diodes measured by deep level transient spectroscopy 1-46012
- Katsuki, I.** *see* Uchida, Y. 1-30971
- Katsumata, K., Ozga, S.E.** The advantages of CMOS/SOS VLSI and the GPU chip set in emulating standard military computers 1-50526
- Katsura, T., Nakagawa, H., Shibata, S.** Beam diagnostic instrumentation in the Photon Factory storage ring 1-42965
- Katsurayama, K.** *see* Chino, M. 1-52684
- Katsuta, M.** *see* Nakano, K. 1-41925
- Katsuyama, T., Matsumura, H., Suganuma, T.** Low-loss single-polarisation fibres 1-40896
- Katsuyama, Y., Mitsunaga, Y., Ishida, Y.** Vibration characteristics of an optical fiber cable installed on an aerial line 1-33981
- Katsuyama, Y.** *see* Mitsunaga, Y. 1-36890, 1-46514
- Katsuyama, Y.** *see* Shibata, N. 1-33033
- Katsuyama, Y.** *see* Tanaka, S. 1-36896
- Katterfeldt, H.** A DFT-based residual-excited linear predictive coder (RELPC) for 4.8 and 9.6 kb/s 1-41517
- Katti, V.R., Rangarajan, L.M., Bhide, G.K.** Some salient observations in processing Cs<sub>3</sub>Sb photocathodes on thin-film coated glass substrates 1-32541
- Katulski, R.** Determination by computer calculations of field strength spatial distributions of broadcasting and TV stations working in decimetre frequency range 1-37363
- Katyshev, E.G.** *see* Kozenkov, V.M. 1-41170
- Katz, B.** Comments on 'Recreational noise exposure—an occupational hazard for audio engineers' [by D.B. Raichel, with his reply] 1-47841
- Katz, C.** *see* Bahder, G. 1-34882, 1-38758
- Katz, C.** *see* Hobbs, R.W. 1-48824
- Katz, I.** Evolving bases for evaluating proposals and awarding contracts in the public and private sectors 1-31841
- Katz, I., Mandell, M.J., Schnuelle, G.W., Parks, D.E., Steen, P.G.** Plasma collection by high-voltage spacecraft at low Earth orbit 1-48775
- Katz, I.N.** *see* Babuska, I. 1-45022
- Katz, I.N.** *see* Cooper, L. 1-39694
- Katz, J., Margalit, S., Wilt, D., Yariv, A.** Single-growth embedded epitaxy AlGaAs injection lasers with extremely low threshold currents 1-37156
- Katz, J.E.** *see* Bar-Chaim, N. 1-37153
- Katz, L.E., Schmidt, P.F., Pearce, C.W.** Neutron activation study of a gettering treatment for Czochralski silicon substrates 1-32612
- Katz, M.** *see* Sklansky, J. 1-48691
- Katzenstein, W.E., Moore, R.P., Kimball, H.G.** Spectrum allocations above 40 GHz 1-52195
- Katzer, J.R.** *see* Emrich, R.J. 1-34535, 1-34539
- Kauffmann, J.M.** Approximate expressions of the inductances of a variable reluctance machine by a method of first harmonic 1-49436
- Kauffmann, J.-M., Gudefin, E.** Variable reluctance stepping motors 1-49516
- Kauffmann, W.M.** Build fuel flexibility into engine design 1-43965
- Kaufhold, B.** Fast PCM regenerators with quantized feedback: survey and theoretical limits 1-29594
- Kaufhold, W.** *see* Fork, K. 1-38679
- Kaufman, D.** *see* Burnham, C. 1-34580
- Kaufman, D.** *see* Corcora, J.A. 1-34573
- Kaufman, F., Patel, V.V., Schroeder, A.H.** In situ electrochemical crosslinking procedure for control of polymer film properties 1-50342
- Kaufman, F.B.** *see* Hofer, D.C. 1-46041
- Kaufman, H.** *see* Mabius, L. 1-31042
- Kaufman, H.R.** *see* Harper, J.M.E. 1-40516
- Kaufman, L., Gopinath, B., Wunderlich, E.F.** Analysis of packet network congestion control using sparse matrix algorithms 1-33699
- Kaufman, L., Rowan, W., Payne, B., Hoffman, J., Henck, R., Schoenmaekers, W., Camp, D.** Large high purity germanium well detector for biomedical application 1-34422
- Kaufman, L., Seery, J.B., Morrison, J.A.** Overflow models for Dimension PBX feature packages 1-47265
- Kaufman, L.** *see* Arbel, A. 1-34496
- Kaufman, M. (editor)** Handbook of microcircuit design and application 1-49861
- Kaufman, R.** *see* Brett, J. 1-44465
- Kaufman, R.N.** *see* Karpman, V.I. 1-41240
- Kaufman, S.** *see* Loadholt, J.T. 1-32447
- Kaufmann, A.** Light sensitivity of colour [television] cameras 1-52240
- Kaufmann, K.** *see* Nemeth, J. 1-41963
- Kaugerts, J.E.** *see* Hahn, H. 1-52640
- Kaul, B.L.** *see* Kothari, M.L. 1-38667
- Kaul, P.** Overview: digital evolution in satellite networks 1-37887
- Kaul, S.K., Thompson, D.V.** On a theorem of Nielsen 1-50184
- Kaul, S.N.** Magnetic properties of amorphous (Fe, Ni)<sub>80</sub>B<sub>20</sub>, (Fe, Ni)<sub>80</sub>B<sub>19</sub>Si<sub>1</sub>, and (Fe, Ni)<sub>80</sub>P<sub>14</sub>B<sub>6</sub> alloys 1-28225
- Kaumanns, R.** *see* Klein, H.-J. 1-38194
- Kaur, M.M.** *see* Nath, P. 1-39548
- Kaushik, S., Arora, R.K.** Sign detection in the symmetric residue number system 1-39605
- Kautsch, R.** The reading of place values, test and metered values by persons with damaged sight 1-48023
- Kautsky, J.** Matrices related to interpolatory quadratures 1-32010
- Kautz, K., Pe'er, A., Deutsch, J.** Experience with the commissioning of a cooling-water filtration and condenser cleaning plant with brackish water conditions 1-30979
- Kautz, R.L., Costabile, G.** A Josephson voltage standard using a series array of 100 junctions 1-29960
- Kautz, R.L.** *see* Hamilton, C.A. 1-28318
- Kavcic, M.** *see* Jelenc, J. 1-48128
- Kaveh, M.** *see* Lippert, G.A. 1-37594
- Kavehrad, M.** Multiple FM/FDM carriers through nonlinear amplifiers 1-37880
- Kavehrad, M., Kurz, L.** Recursive equalization of correlatively-coded signals in presence of sampling offsets and Gaussian noise 1-29074
- Kavrakoglu, I.** Decision analysis in the energy sector: nuclear choices for Turkey 1-31838
- Kawabata, A.** *see* Shiosaki, T. 1-32954, 1-50279
- Kawabata, H., Kido, M.** Transient stability control by using series capacitor and series resistor in power system 1-34746
- Kawabe, K.** *see* Sunahara, Y. 1-41679
- Kawabe, U.** *see* Aida, T. 1-35982
- Kawabuchi, K.** *see* Kamei, K. 1-46133
- Kawachi, M., Sudo, S., Eda, H.** Threshold gas flow rate of halide materials for the formation of oxide particles in the VAD process for optical fiber fabrication 1-33042
- Kawachi, M.** *see* Ohmori, Y. 1-51511
- Kawachi, M.** *see* Sasaki, Y. 1-33270
- Kawachi, M.** *see* Sudo, S. 1-40914
- Kawade, T.** *see* Yuki, K. 1-33763
- Kawagoe, K.** *see* Kawasaki, T. 1-52332
- Kawaguchi, E., Endo, T., Yokota, M.** DF-expression of binary-valued picture and its relation to other pyramidal representations 1-29105
- Kawaguchi, E.W., Yokota, M., Endo, T., Taniguchi, R., Tamati, T.** An Information understanding System OF Basic weather Report 1-34716
- Kawaguchi, H.** A new experimental approach for studying the gain broadening mechanism in semiconductor lasers 1-41094
- Kawaguchi, H., Takahei, K., Suzuki, Y., Iwane, G.** 1.55- $\mu$ m narrow planar stripe InGaAsP lasers with deep Zn diffusion 1-46722
- Kawaguchi, H., Takahei, K., Toyoshima, Y., Nagai, H., Iwane, G.** Characteristics of diffused-stripe InP/InGaAsP/InP lasers emitting around 1.55  $\mu$ m 1-33236
- Kawaguchi, H.** *see* Adachi, S. 1-46069, 1-51460
- Kawaguchi, N.** Analogue technology in VLBI [EM wave interferometry] 1-51687
- Kawaguchi, N., Hamamoto, N.** The gain measurement of large antennas with cosmic radio sources at frequencies above 10 GHz 1-51707
- Kawaguchi, N.** *see* Kawase, S. 1-34682
- Kawaguchi, N.** *see* Otsu, Y. 1-29018
- Kawaguchi, Y., Karaji, S.** Negative magnetoresistance in a two-dimensional random system of Si-MOS inversion layers 1-27879
- Kawahara, H., Kakchi, K.** On a new estimation method for speech loudness function 1-51803
- Kawahara, H.** *see* Masuda, S. 1-37276
- Kawahara, I.** *see* Wakabayashi, J. 1-30950
- Kawahara, K.** *see* Mitsui, H. 1-53365
- Kawahara, S.K., O'Connell, R.P., Peterson, J.G.** A one-micron bipolar VLSI convolver 1-28100
- Kawahira, K.** *see* Fujita, F. 1-31572
- Kawai, H., Hoshina, T.** Cathodoluminescent properties of ZnS:Ce, Li phosphor 1-46631
- Kawai, K.** *see* Goto, H. 1-29574
- Kawai, K.** *see* Tamori, M. 1-40085
- Kawai, T.** *see* Nishimatsu, E. 1-37847
- Kawaji, S.** *see* Yagi, A. 1-40596
- Kawakami, A., Tajima, J., Takahashi, S.** Approximation and construction of the network containing variable elements 1-39849
- Kawakami, A.** *see* Tada, A. 1-40572
- Kawakami, H.** Synthesis of nonlinear oscillators with prescribed  $\omega$ -limit sets 1-45321
- Kawakami, H., Kobayashi, K.** Computation of bifurcation sets for nonlinear differential equations 1-32041
- Kawakami, H.** *see* Kaneko, E. 1-52233
- Kawakami, H.** *see* Matsumoto, T. 1-32148
- Kawakami, S., Matsumoto, T.** Transmission characteristics of optical fibers 1-36876
- Kawakami, S., Tanji, H.** On the dispersion relation of  $\alpha$ -power optical fiber 1-51202
- Kawakami, S.** *see* Miyagi, M. 1-51203
- Kawakami, S.** *see* Yoshikawa, Y. 1-51201
- Kawakami, T.** *see* Futakawa, A. 1-53366
- Kawakami, Y.** *see* Akiyama, M. 1-45310
- Kawakami, Y.** *see* Nishitani, T. 1-51813
- Kawakatsu, H.** *see* Komuro, M. 1-48562
- Kawakatsu, H.** *see* Matsui, S. 1-45111
- Kawakubo, T.** *see* Kasuga, T. 1-48446
- Kawamoto, H., Sugimori, K., Ajiki, H.** A primary power supply system for communications using a Darrieus wind turbine 1-38937
- Kawamoto, T., Kajitani, Y., Shinoda, S.** Eccentricity of tree set [of nonseparable graph] 1-44936
- Kawamoto, T.** *see* Shinoda, S. 1-35823
- Kawamoto, Y.** *see* Hosaka, S. 1-32771
- Kawamura, A.** *see* Mikami, N. 1-34159
- Kawamura, K., Yamamoto, T.** A two-phase shift register using Si tunnel MIS switching diodes 1-50496
- Kawamura, M.** *see* Kokubo, Y. 1-33191, 1-46761, 1-51492
- Kawamura, M.** *see* Makiuchi, M. 1-51382
- Kawamura, O.** *see* Takao, K. 1-37378
- Kawamura, S., Kosaka, Y., Nishimura, T.** Orbit and attitude determination using geostationary meteorological satellite images 1-43394
- Kawamura, S.** *see* Sakurai, J. 1-27130
- Kawamura, T., Sone, S.** Analysis of fundamental monophasic rectifier circuit 1-39048
- Kawamura, T.** *see* Hisano, K. 1-43922
- Kawamura, T.** *see* Tanno, K. 1-27119
- Kawamura, T.** *see* Yamamoto, N. 1-40993
- Kawamura, Y., Asahi, H., Ikeda, M., Okamoto, H.** Improved properties of In<sub>x</sub>Ga<sub>1-x</sub>As layers grown by molecular-beam epitaxy on InP substrates 1-45081
- Kawamura, Y., Muto, M.** Environmental sound measuring instruments 1-42664
- Kawamura, Y.** *see* Asahi, H. 1-28719, 1-45079
- Kawamura, Y.** *see* Yamanaka, C. 1-51348
- Kawana, A.** *see* Miya, T. 1-33063
- Kawana, H.** *see* Miura, T. 1-34135
- Kawanishi, H., Hafich, M.J., Skogman, R.A., Lenz, B.S., Petersen, P.E.** GaAs/AlGaAs distributed feedback-transverse junction stripe laser using a hybrid liquid phase epitaxy/metal-organic chemical vapor deposition growth technique 1-51464
- Kawano, M.** *see* Harada, K. 1-44238
- Kawano, M.** *see* Sasaki, M. 1-39469
- Kawano, N.** *see* Takahashi, F. 1-51685
- Kawano, T.** *see* Suemune, I. 1-41100

- Kawanobe, T., Miyamoto, K., Inaba, Y., Okudaira, H. Solder bump fabrication by electrochemical method for flip-chip interconnection 1-45832
- Kawaoka, T., Nishimura, T. Virtual terminal for data communication 1-47387
- Kawarada, K. *see* Sakai, T. 1-28099
- Kawarasaki, M., Okada, K. A simulation study on overload characteristics in SPC switching system 1-47475
- Kawarasaki, M., Okada, K. A simulation study on overload characteristics in SPC switching system 1-52025
- Kawasaki, B.S., Hill, K.O., Johnson, D.C. Optical time domain reflectometer for single-mode fiber at selectable wavelengths 1-36867
- Kawasaki, B.S., Hill, K.O., Lamont, R.G. Biconical-taper single-mode fiber coupler 1-51186
- Kawasaki, B.S. *see* Hill, K.O. 1-28765
- Kawasaki, B.S. *see* Johnson, D.C. 1-28459
- Kawasaki, B.S. *see* Tremblay, Y. 1-36864
- Kawasaki, H. *see* Kamei, K. 1-46133
- Kawasaki, K., Inami, M., Ishikawa, T. Theoretical considerations on eddy current losses in non-magnetic and magnetic pipes for power transmission systems 1-34830
- Kawasaki, K. *see* Takeuchi, F. 1-52533
- Kawasaki, S. *see* Kobayashi, N. 1-48423, 1-48424
- Kawasaki, T., Kawagoe, K., Shoji, K., Mesuda, E., Toda, H., Nakazawa, Y., Kanaji, H. Microwave repeater test set 1-52332
- Kawasaki, Y., Akimoto, M., Masuo, K., Sogabe, K., Sakata, H., Morishita, T., Toriumi, Y., Kondo, M. Development of new oil- and chemical-resistant cable 1-38763
- Kawasaki, Y. *see* Asai, K. 1-46158
- Kawasaki, Y. *see* Nitta, Y. 1-30750
- Kawase, S., Kawaguchi, N., Tanaka, T., Tomita, K. Optical calibration of geostationary satellite tracking systems 1-34682
- Kawase, S., Yanagihara, N. Realizability theorems of infinite dimensional linear dynamical systems 1-39862
- Kawase, S. *see* Yamamoto, S. 1-36427
- Kawase, Y. *see* Tedjojuwono, K. 1-42750
- Kawashima, K. A traffic analysis of an alternate routing method for store-and-forward switching network 1-47283
- Kawashima, K. *see* Hashida, O. 1-47477, 1-51969
- Kawashima, M. *see* Aihara, K. 1-29534
- Kawashima, M. *see* Matsumura, M. 1-46160
- Kawasumi, I., Sakata, M., Nishida, I., Masumoto, K. Crystal growth of manganese silicide,  $\text{MnSi}_{1.73}$  and semiconducting properties of  $\text{Mn}_{1.5}\text{Si}_{2.6}$  1-32052
- Kawata, O. *see* Yabuta, T. 1-37925
- Kawato, M. Transient and steady state phase response curves of limit cycle oscillators 1-50211
- Kawato, N. *see* Maruyama, F. 1-40032
- Kawato, N. *see* Saito, T. 1-45425
- Kawaura, S. *see* Koshimura, I. 1-29918
- Kawayoshi, H. *see* Magee, T.J. 1-40382, 1-50748
- Kawazu, S. *see* Kotani, N. 1-40610
- Kawecki, A., Dera, A. Calculation of the power of interferences resulting from the microwaves dissipation by atmospheric precipitation 1-28910
- Kawy, A. *see* Abdel *see* Abdel Kawy, A.
- Kay, I.W. *see* Boerner, W.-M. 1-41201
- Kay, M.A. *see* Bruns, L.E. 1-34690
- Kay, R.N., Todd, J.D. Vision systems for industrial robots at NEL 1-52269
- Kay, S. Improved detection performance of an FM signal by autoregressive spectral analysis 1-37978
- Kay, S.M. Efficient generation of colored noise 1-29179
- Kay, S.M. The effect of sampling rate on autocorrelation estimation 1-47185
- Kay, T. Lighting costs can be cut by 70 per cent 1-49788
- Kaya, A., Keyes, M.A., IV Energy management technology in pulp, paper and allied industries 1-53846
- Kaya, A. *see* Nagaturo, Y. 1-30378
- Kayalov, G.M., Terebaev, V.V. Principles of economic compensation for reactive loads in industrial supply mains 1-34856
- Kayalov, G.M., Terebaev, V.V. A substation with three transformers for dangerously explosive factories 1-39028
- Kayanuma, A., Takeda, M., Sugiyama, S., Iga, A., Kobayashi, T., Asano, K. An integrated 16 b A/D converter for PCM audio systems 1-29940
- Kaye, R.J., Wu, F.F. Stability region in the pre-fault state space 1-48982
- Kaye, T. Multi-media methods for basic adult education in Europe 1-52215
- Kayoun, P., Puech, C., Papuchon, M., Arditty, H.J. Improved coupling between laser diode and single-mode fibre tipped with a chemically etched self-centred diffracting element 1-36869
- Kayran, A.H. *see* King, R.A. 1-40129, 1-45542
- Kayser, J. Cologne is worth a mass 1-35509
- Kayton, M. Steady-state and dynamic performance of an OTEC plant 1-31100
- Kayton, M. Steady-state and dynamic performance of an OTEC plant 1-35104
- Kaza, B.Rao *see* Rao Kaza, B.
- Kazachenko, O.V. *see* Barabash, A.S. 1-30320, 1-52669
- Kazak, I.A. *see* Vainberg, E.I. 1-45147, 1-45148
- Kazakoff, J., Gardner, W.A. Simulations of two-stage adaptive signal extractors 1-33665
- Kazakov, A.A. *see* Dmitriev, V.G. 1-51430
- Kazakov, B.V. Master generators of line and frame frequency [for TV receivers] 1-42402
- Kazakov, E.D. A method of extending the limits of applicability of a mathematical model of a radar target 1-42295
- Kazakov, S.A. *see* Babichev, A.P. 1-51380
- Kazakov, V.G. *see* Gavriluk, A.V. 1-28228
- Kazakov, V.K. *see* Kisly, P.S. 1-40754
- Kazanbaev, L.A. *see* Khokhlov, Yu.I. 1-39225
- Kazanin, M.M. *see* Andreev, A.A. 1-32666
- Kazankin, L.K. *see* Kulikov, E.L. 1-32923
- Kazanova, N.P. *see* Bilenko, D.I. 1-42749
- Kazantsev, V.N., Potapovskii, I.B., Davlyatshin, A.K. Sensor of angle of phase shift 1-49069
- Kazantseva, L.N. *see* Ivannikov, V.M. 1-35037
- Kazarinov, R.F., Luryi, S. Charge injection over triangular barriers in unipolar semiconductor structures 1-40536
- Kazaryan, L.M. *see* Turik, A.V. 1-28166
- Kazaryan, M.A. *see* Zemskov, K.I. 1-38146
- Kazbaras, A.R. *see* Bentkus, R.Yu. 1-50143
- Kazhdan, A.E. Critical power of transformers in industrial substations 1-35218
- Kazhidub, A.V. *see* Abil'slitov, G.A. 1-37083
- Kazimierzczuk, M. Theoretical analysis of the class E RF power amplifier with series capacitor at the different values of the collector current conduction angle 1-27289
- Kazimierzczuk, M. Class E tuned power amplifier 1-27313
- Kazimierzczuk, M. Analysis of class E RF power amplifier with series inductor for optimum operation 1-27319
- Kazimierzczuk, M. Experimental verification of theoretical determination method collector losses power and collector efficiency of the class-E RF power amplifier 1-50431
- Kazimierzczuk, M. *see* Ebert, J. 1-32220
- Kazimirenko, V.Ya. *see* Sunduchkov, K.S. 1-41473
- Kazior, T.E. *see* Lagowski, J. 1-50830
- Kazlauskas, E.J. Kinesics in informatic communication 1-38039
- Kazlauskas, E.J. *see* Benenfeld, A.R. (editor) 1-37773
- Kazmerski, L.L. Microanalysis of solar cells 1-35387
- Kazmerski, L.L. Electrical properties of polycrystalline semiconductor thin films 1-40378
- Kazmerski, L.L. Applications of surface analysis techniques to photovoltaic research: grain and grain boundary studies 1-41010
- Kazmerski, L.L., Ireland, P.J., Catalano, A. Surface and interface properties of  $\text{Zn}_3\text{P}_2$  solar cells 1-49691
- Kazmerski, L.L. *see* Chu, T.L. 1-36476
- Kazmerski, L.L. (editor) Polycrystalline and amorphous thin films and devices 1-39320
- Kazmierkowski, M. *see* Barlik, R. 1-49447
- Kaznacheev, B.A. Increasing measurement accuracy of capacitor frequency meters 1-42654
- Kaznacheev, V.A. *see* Tolkunov, V.P. 1-44059
- Kazovsky, L., Plotkin, E., Fleisher, M. Adaptive algorithm for detection of signals in an impulsive interference environment 1-37491
- Kazovsky, L.G. Beam position estimation by means of detector arrays 1-33621
- Kazovsky, L.G. Target azimuth estimation by means of optical detector arrays 1-51828
- Kazuki, T. *see* Takashima, H. 1-37853
- Ke, W.P. *see* Chu, S.L. 1-43669
- Keane, J., Brodowski, J. MEQALAC RF accelerating structure 1-48427
- Keane, J. *see* Gammel, G. 1-48426
- Keane, J.T. *see* Mobley, R.M. 1-42779
- Keane, L.M. *see* Reinhardt, E.E. 1-52204
- Kear, F.W. Using hydrogen peroxide/sulphuric acid spray circuit etchant 1-27687
- Kear, F.W. How to solder cellulose acetate served magnetic wire 1-39398
- Kearley, S. *see* Barnes, H. 1-49196
- Kearley, S.J., Stiff, J.R. A feeder protection scheme based on a single chip microcomputer 1-49183
- Kearney, J.F. Contemporary multiplexing techniques. I. Review and characteristics 1-51869
- Kearney, P.D. *see* Klein, A.G. 1-34412
- Kearsley, A.J. *see* Fujii, K. 1-51342
- Keast, D.N. *see* Comber, M.G. 1-38783
- Keck, D.B. Fiber design for cables [review] 1-36893
- Keck, H. Finite element analysis of flows in hydraulic turbomachinery 1-43983
- Keck, M.F. *see* Frenkl, J.S. 1-52921
- Keckes, G., Philippovich, G. New 145 kV, 2500 MVA outdoor low-oil-content circuit breaker of the Ganz Electrical Works 1-49627
- Keddie, G.S. Quality needs the right customer/supplier attitude 1-39425
- Kedmi, J., Treves, D. Injection-locking optimization in unstable resonators 1-41114
- Kedzierski, L. The development of television in Poland 1-42372
- Kee Chung Who *see* Who Kee Chung
- Kee-Ju Choi, Topp, M.R. Stabilization of solid-state lasers for picosecond transient spectroscopy 1-28702
- Kee-Ju Choi, Topp, M.R. Ultrashort pulse generation by  $\text{Nd}^{3+}$ :glass and  $\text{Nd}^{3+}$ :YAG lasers 1-33249
- Keefe, D., Sessler, A.M. Heavy ion inertial fusion 1-42879
- Keefe, D. *see* Chupp, W. 1-48405
- Keefe, D. *see* Faltens, A. 1-38327
- Keefe, D.J., McDowell, W.P. Enhancement of a radiation safety system through the use of a microprocessor controlled speech synthesizer 1-31847
- Keefe, G.E., Lin, Y.S. Process for contiguous bubble devices 1-51097
- Keefe, G.E., Pugh, E.W., Russell, J.L. Field access contiguous disk bubble transfer 1-36840
- Keefe, G.E., Sanders, I.L. Currentless switch and one-way propagation track for contiguous disk bubble devices 1-28262
- Keeler, J. *see* Lawrence, T.R. 1-48864
- Keen, N. K factor simplifies chopped noise readings 1-48086
- Keener, L.L. Hermite-Birkhoff interpolation and approximation of a function and its derivatives 1-32014
- Keeping, K.J., Rogers, D.S., Sureau, J.-C. A scanning switch matrix for a cylindrical array [C-band tactical radar] 1-47737
- Keeping, K.J., Rogers, D.S., Sureau, J.-C. A low-cost lightweight C-band cylindrical array 1-52160
- Keever, M. *see* Drummond, T.J. 1-45973
- Kefalas, G.P. Radar noise jamming calculations simplified 1-33999
- Kefenstein, C. *see* Blasing, J.P. 1-30253
- Keffeler, D.R. *see* Williams, S.W. 1-48361
- Kegel, B. Plasma removal of drill smear 1-40305
- Kegel, K. Process heat-specific requirements 1-49798
- Keh-wen Whang Stabilizing control in emergencies. I. Equilibrium point and state determination 1-43526
- Kehley, G.L. Piggy-back card packaging 1-39405
- Kehley, G.L., Kelly, G.W., Progovitz, R.F. Printed circuit card package with card-retention offset from latching mechanism 1-50010
- Kehmeier, R.E. Bar-code reader 1-30039
- Keil, E. Theoretical aspects of the beam-beam interaction 1-48520
- Keil, E. The Large European  $e^+e^-$  Collider Project LEP 1-52618
- Keilegom, R. *see* van Keilegom, R.
- Keim, T.A. *see* Gamble, B.B. 1-31215
- Keiner, H. *see* Schiekel, M. 1-27772
- Keinert, L., Ragaller, K., Poole, D. Service experience with, and development of  $\text{SF}_6$  gas circuit-breakers employing the self-extinguishing principle 1-49633
- Keith, C.A., Wilson, J.W. Engineering features of the Lower Mangapapa hydro-electric power scheme 1-38925
- Kejariwal, M.L. *see* Ktonas, P.Y. 1-48711
- Kekre, H.B., Goyal, N.C., Sahasrabudhe, S.C. Fast algorithm for the solution of banded linear systems 1-27073
- Kekre, H.B., Khalid, M. Single server queueing model for data multiplexing in analog speech 1-37664
- Kekre, H.B., Sahasrabudhe, S.C., Ramarao, V. Walsh spectrum of Monotone Boolean functions 1-44773
- Kelberlau, U., Kassing, R. Nonequilibrium properties of MIS-capacitors 1-36536
- Kelemen, A., Crivii, M. Mathematical modeling and numerical simulation of DC-type hybrid step motor 1-53500
- Kelemen, A., Imecs, M. Microprocessor-based speed control of converter-fed asynchronous motor using the field-orientation principle 1-31523
- Kelen, A. Functional testing of MICAPACT II insulation 1-44018
- Kelin, N.A., Chukheli, M.A., Dvornikova, L.K. Calculating the intrinsic field of high-coercion permanent magnets 1-28251
- Kelland, D.R. *see* Maxwell, E. 1-37288
- Kelland, G. How an organisation can move into the future by using a standard networking system 1-41944
- Kellaway, P. *see* Saltzberg, B. 1-30452
- Kelley, E. *see* Haslett, J. 1-49369
- Kelleher, J.J. Regulatory procedures and WARC-79 1-52191
- Kellenberger, P. Criteria for the selection of an analogue or digital storage oscilloscope. II. The digital storage oscilloscope 1-30156
- Keller, C.J. *see* Un Pah Hwang 1-32850

- Keller, H.N. Temperature cycling of HIC thin-film solder connections 1-32516
- Keller, J. *see* Edwards, M. 1-34603
- Keller, J.H., McKenna, C.M. Fabrication technique for an ion beam lithography mask in tensile stress 1-40640
- Keller, J.-P. Implementation of hybrid stepping motors 1-49518
- Keller, J.-P. *see* Maisonneuve, M. 1-42107
- Keller, M., Weber, R. High precision glass fibre couplings 1-33061
- Keller, P. *see* Hussy, H. 1-42061
- Keller, R., Wehrli, R. BBC contactors for railways and industrial plants 1-35263
- Keller, R. *see* Klabunde, J. 1-48418
- Keller, R.J. Hydraulic model tests of Huntly Power Station cooling water intake structure 1-43909
- Keller, W., Belda, W. Development status of LWR nuclear power plants in the Federal Republic of Germany 1-43826
- Keller, W., Brandstetter, A., Markl, H. Does nuclear power create a new dependency? An evaluation of long-term uranium supply and demand 1-43822
- Kelley, E.F., Hebner, R.E., Jr. The electric field distribution associated with prebreakdown phenomena in nitrobenzene 1-28156
- Kelley, E.F., Hebner, R.E., Jr. Prebreakdown phenomena between sphere-sphere electrodes in transformer oil 1-32908
- Kelley, E.F., Hebner, R.E., Jr. Breakdown between bare electrodes with an oil-paper interface 1-51032
- Kelley, E.F., Hebner, R.E., Jr. Electrical breakdown in composite insulating systems: liquid-solid interface parallel to the field 1-51054
- Kelley, E.F. *see* Lenz, J.E., Jr. 1-34622
- Kelley, J.K. *see* Soderstrand, M.A. 1-36274, 1-50569
- Kelley, R., Birk, J., Dessimoz, J., Martins, H., Tella, R. Acquiring connecting rod castings using a robot with vision and sensors 1-52273
- Kelley, W.G. The Dirichlet problem for singularly perturbed quasilinear elliptic equations 1-50091
- Kelliher, M.G. *see* Gillespie, W.A. 1-43139
- Kellner, A.L. *see* Mergerian, D. 1-46568
- Kellock, S. *see* Siegmund, O. 1-34438
- Kellogg, K.D. *see* Hogrefe, R.L. 1-42992
- Kellow, M. Experimental investigation of the ampacity of distribution cables in a duct bank with and without forced cooling 1-43702
- Kellow, M.A. A numerical procedure for the calculation of the temperature rise and ampacity of underground cables 1-43703
- Kells, W. Advanced stochastic cooling mechanisms 1-42993
- Kells, W. Filterless fast momentum cooling 1-48523
- Kells, W., Krienner, F., Mills, F., Oleksiuk, L., Peoples, J., McIntyre, P.M. Electron cooling for the Fermilab  $\beta$  source 1-43030
- Kells, W., McIntyre, P., Oleksiuk, L., Dikansky, N., Meshkov, I., Parkhomchuk, V., Herrmannsfeldt, W. Studies of the electron beam for the Fermilab Electron Cooling Experiment 1-48527
- Kells, W. *see* Forster, R. 1-42976
- Kells, W. *see* Hardek, T. 1-42928
- Kelly, A.J., Pinck, E., Pedersen, J.F., Bogin, W.W. The SHF hybrid scan array 1-52095
- Kelly, D.G. Some results on random linear programs 1-44975
- Kelly, F., Lloyd, W.G., Welch, M., Cooke, J.A. A novel electronic spark advance/retard system 1-39200
- Kelly, F., Paul, D.M., Sadler, A., Goldberg, J.L. Coaxial sensors for large area temperature monitoring 1-52450
- Kelly, G.W. *see* Kehley, G.L. 1-50010
- Kelly, J., Groves, T.R., Hwei Pei Kuo A precision, high-current, high-speed electron beam lithography column 1-50964
- Kelly, J. *see* Board, E. 1-43905
- Kelly, J.C. *see* King, B.V. 1-47894
- Kelly, J.F.D., Goffe, R.A., Tseung, A.C.C. Internally charged palladium hydride reference electrode. II. Automatically controlled palladium hydride electrode 1-34263
- Kelly, J.G. *see* Stalker, K.T. 1-30933
- Kelly, J.H., Brown, D.C., Abate, J.A., Teegarden, K. Dynamic pumping model for amplifier performance predictions 1-37092
- Kelly, J.H. *see* Brown, D.C. 1-51420
- Kelly, J.H. *see* Bunkenberg, J. 1-51410
- Kelly, M.J. *see* Monchalain, J.-P. 1-28758
- Kelly, R.E. *see* Lyons, P.B. 1-40948
- Kelly, S., Hampson, N.A., Peters, K. The failure of porous lead dioxide electrodes (positives) to accept recharge during potential step experiments 1-44324
- Kelly, T. Modern technology makes high performance calibrators part of the technician's tool kit 1-47872
- Kelly, T.M. *see* Nielsen, R.L. 1-40683
- Kelton, W.D. *see* Law, A.M. 1-35780
- Kel'zon, A.S., Makarov, O.A., Tsimanskii, Yu.P. Dynamics of high-RPM rotor systems with large imbalances 1-49397
- Kemeny, L.G. Some new approaches to nuclear power plant surveillance and safety 1-43830
- Kemeny, T. Balances in medicine 1-43280
- Kemmer, D.B. *see* Rauch, H.E. 1-33688
- Kemp, D. *see* Gamble, J. 1-48317
- Kemp, D.D. *see* Otto, R.G. 1-41693
- Kempenich, K., Rall, A. Audio-frequency power line carrier control—a way of using electricity rationally 1-48950
- Kemper, Y. The nutating traction drive 1-35070
- Kempf, J. *see* Hinkel, H. 1-52597
- Kempf, R., Nestler, D., Remenyi, K. The air-conditioning systems of the new comfort coaches for the Egyptian Railways 1-31681
- Kemple, W.G., Stephens, C.D., Crolotte, A. Evaluating concepts for C<sup>3</sup> systems [command and control systems] 1-33728
- Kempson, V.C., Planner, C.W., Pugh, V.T. Injection dynamics and multiton charge-exchange injection into the fast cycling synchrotron for the SNS 1-48389
- Kepton, R.A., Howes, C.W. The use of neighbouring plot values in the analysis of variety trials 1-44831
- Ken-Hong Ruan Six valued simulation—a new logic simulation 1-46229
- Kenaghan, J. *see* Battisti, S. 1-42801
- Kenan, R.P. Prospects for integrated optics: 1980-2000 1-33081
- Kenan, R.P. *see* Verber, C.M. 1-36960, 1-40962
- Kenan, W.R., Jr. *see* MacDonald, J.R. 1-28136
- Kendall, E.J.M., Smerek, P.L. Simple single phase and homogeneous multiphase bidirectional flowmeter 1-48069
- Kendrick, J.D., Maybeck, P.S., Reid, J.G. Estimation of aircraft target motion using orientation measurements 1-34654
- Kenefic, R.J. A Bayesian approach to time delay estimation 1-41674
- Kenefic, R.J. Optimum tracking of a maneuvering target in clutter 1-42284
- Kenefic, R.J., Goulette, P.L. Sensor netting via the discrete time extended Kalman filter 1-47706
- Keneipp, J.M. Electronics and management of major parking and related transportation systems 1-31599
- Kenjo, S. *see* Terase, H. 1-44042
- Kenjo, T., Ichikawa, M., Kobayashi, T. Secondary impedance of a solid steel induction motor 1-49466
- Kenner, B. The ins and outs of working DX 1-37859
- Kennaugh, E.M. Polarization dependence of RCS—a geometrical interpretation 1-37955
- Kennaugh, E.M. The K-pulse concept 1-42286
- Kennedy, D.J., Koh, E.K. Frequency-reuse interference in TDMA/QPSK satellite systems 1-47611
- Kennedy, D.J., Shimbo, O. Cochannel interference in nonlinear QPSK satellite systems 1-37876
- Kennedy, E.F. Damage and reordering of ion-implanted layers of InP 1-27918
- Kennedy, E.J. *see* De Lorenzo, J.T. 1-38881
- Kennedy, J. Melbourne underground set to roll 1-31553
- Kennedy, J., Williamson, A.C. A Master's Course in Power Electronics and Systems with special reference to electrical drive aspects 1-49894
- Kennedy, K. *see* Avery, R. 1-42826
- Kennerley, W.M. *see* Voyner, Z.F. 1-41400
- Kennett, D. Communications costs will speed spread of distributed processing 1-29422
- Kennett, R.G. *see* Atac, M. 1-34442
- Kenney, G.C. *see* Lou, D.Y. 1-34101
- Kenney, J.M. *see* DeReggi, A.S. 1-30574
- Kenney, J.R. Rapid access magnetic audio recording systems 1-38065
- Kennington, J.L. *see* Helgason, R.V. 1-27047
- Kennis, P., Faucon, L. Rigorous analysis of planar MIS transmission lines 1-40229
- Kennis, P. *see* Gelin, P. 1-37341
- Kennon, J.L. *see* Inoulet, I.T. 1-53815
- Kenney, J., Jr., Martens, G.T., Bierbaum, C. Development of data reduction and analysis tools in an AISF environment—looking back 1-52861
- Kenny, J.J. Impact of interference on 16 QAM system requirements 1-28924
- Kens, Yu.A. *see* Chizhenko, I.M. 1-39068
- Kensley, R.S., Maeda, H., Iwasa, Y. Frictional disturbances in superconducting magnets 1-28402
- Kensley, R.S. *see* Shimamoto, S. 1-51118
- Kent, D.C. Computer-based system refines industrial needs 1-49914
- Kent, M. Thermometer 1-38229
- Kent, M. Multimeter 1-38230
- Kent, M. Continuity meter 1-42670
- Kent, M. pH meter 1-42766
- Kent, M. Minutune 1-44461
- Kent, S.T. Security requirements and protocols for a broadcast scenario 1-47385
- Kentfield, J.A.C. Benefits arising from the use of pneumatic energy transmittal in wind power systems 1-31152
- Kenville, R.F. Fifteen years of laser recording—where we've been and where we're going 1-41176
- Kenyon, B.F. *see* Meyer, E.W., Jr. 1-31624
- Kenyon, N.D. Slow-scan TV goes on trial 1-42447
- Kenyon, N.D. Slow scan TV by telephone 1-47819
- Kenyon, W.G. How to use the solvent extract method to measure ionic contamination of printed wiring assemblies 1-32503
- Kenyon, W.G., Daly, J.J., Jr. A comparison of solvent and aqueous processes for cleaning printed wiring assemblies 1-27705
- Keown, A.J., Taylor, B.W. An integer goal programming model for decision making in the university setting 1-35858
- Keppel, D. Dual switching filter for weighing systems 1-42755
- Keppeler, E., Glasmachers, A., Winkelnkemper, W. New design aspects for an energetic particle telescope for space missions 1-52703
- Keramidas, V.G. *see* Mahajan, S. 1-32055
- Keramati, B. *see* Zemel, J.N. 1-52433
- Keramidas, V.G., Berkstresser, G.W., Zipfel, C.L. Planar, fast, reliable, single-heterojunction light-emitting diodes for optical links 1-28591
- Keramidas, V.G., Mahajan, S., Temkin, H., Bonner, W.A. On the perfection of InP and InGaAsP epitaxial layers 1-50790
- Keramidas, V.G. *see* Chin, A.K. 1-33163
- Keramidas, V.G. *see* Temkin, H. 1-45082, 1-51288
- Kerber, G.L. *see* Jelks, E.C. 1-40850
- Kerber, R.L. *see* Jaul, W.K. 1-51343
- Kercel, S.W. Design of switchyard grounding systems using multiple grids 1-31358
- Kercel, S.W. Design of switchyard grounding systems using multiple grids 1-38798
- Kersch, R.L. Coal's role in America's energy future 1-53168
- Keres, L.J. *see* Filler, R.L. 1-40765
- Kerimov, M.K. Methods of calculating Reimann's zeta function and certain of its generalisations 1-39502
- Kerjilian, G.K. *see* Andros, F.E. 1-31886
- Kerkdijk, C.B.W. *see* Dijkhuis, J.I. 1-41198
- Kerkhof, F.A.M. Van De *see* Van De Kerkhof, F.A.M.
- Kerkhoff, H.G., Tervoert, M.L., Stemerding, J.A. The design and application of a CCK four-valued full adder circuit 1-27462
- Kerkvliet, H.M.M. *see* De Jong, L.P. 1-30058
- Kerle, W. *see* Ebert, W. 1-34046
- Kerlin, T.W., Hashemian, H.M., Petersen, K.M. Time response of temperature sensors 1-52447
- Kerlin, T.W. *see* Upadhyaya, B.R. 1-30949
- Kern, E.C., Jr. Residential photovoltaic systems 1-31110
- Kern, E.C., Jr. The residential use of photovoltaics 1-53035
- Kern, J., Gocht, D. Heat pipes for flue gas rewarmed at the back of wet sulphur removal plants in large power stations 1-30955
- Kern, M., Krogmann, M. Professional electroacoustic equipment built with modular techniques 1-38059
- Kern, R. Bargaining solutions and their independence from irrelevant alternatives 1-44810
- Kern, W. Skineffect in a conducting wedge 1-41189
- Kerner, B.S., Nechayev, A.M., Rubakha, Ye.A., Sinkevich, V.F. Thermal pinch kinetics in the presence of a fluctuation instability in transistor structures 1-28000
- Kerner, V. *see* Forster, R. 1-42976
- Kernick, A. *see* Singhal, S.C. 1-42726
- Kerns, C.R. *see* Brown, B.C. 1-32584
- Kerns, Q., May, M., Miller, H.W., Reid, J., Turkot, F., Webber, R., Wildman, D. Energy saver prototype accelerating resonator 1-43070
- Kerns, Q. *see* Krafczyk, G. 1-43065
- Kernsik, B. *see* Langus, J. 1-47881
- Kernweis, N.P. *see* Mailloux, R.J. 1-29023
- Keropyan, I.A. *see* Boyakchyan, E.M. 1-30327
- Kerr, J.H., Cooper, C.S. Lasers for coal mining automation 1-31746
- Kerr, M.V. *see* Grombone, A. 1-30082
- Kerr, R.H. *see* Dunki-Jacobs, J.R. 1-44096
- Kerr, R.W. *see* Dodson, D.J. 1-36777
- Kerrigan, M. *see* Forsberg, R.A. 1-27407
- Kerscher, M., Klein, E. New luminaires and control gear reduce the connected load 1-53759
- Kershaw, R. *see* Van Son Nguyen 1-33105
- Kershner, R.C. *see* Panousis, N.T. 1-45833
- Kersic, N. *see* Kokelj, P. 1-31276, 1-39022
- Kersnik, L. Conductivity meter 1-48129
- Kersten, J.R. High power mobile operation: a KW mobile and antenna to match 1-52065
- Kersten, R.H. Phase sensitivity of directional couplers 1-28518
- Kersten, R.T. *see* v. Helmolt, C. 1-36989
- Kersten, R.T. *see* von Helmolt, C.H. 1-40957
- Kerttula, E. New teleservices—tools for electronic communications 1-29262
- Kerttula, E., Save, L. TELEFAX—new document-transfer system 1-41926
- Kervel, S.J.H. Van *see* Van Kervel, S.J.H.
- Kerwin, W. *see* McCormick, J.B. 1-36431
- Kerwin, W.J. *see* Raymond, L.S. 1-36414

- Keshavamurthy, T.L., Butler, C.M. Characteristics of a slotted parallel-plate waveguide filled with a truncated dielectric 1-28983
- Keshavamurthy, T.L. *see* Butler, C.M. 1-33393
- Kesler, J., Haykin, S. An adaptive interference canceller using Kalman filtering 1-42296
- Kesler, S.B., Haykin, S., Walker, R.S. Maximum-entropy field-mapping in the presence of correlated multipath 1-37977
- Kesseler, G. *see* Botner, O. 1-34444
- Kessie, M.K. The 'aftermath' nuclear control room 1-53191
- Kessler, A. *see* Axer, W. 1-47351
- Kessler, D. *see* Hargrave, C.K. 1-43237
- Kessler, H. *see* Weil, G. 1-45398
- Kessler, S. *see* Bechtold, V. 1-51092
- Keste, M. *see* Battiwala, F. 1-35267
- Kesteman, J. *see* Carlson, P.J. 1-43245
- Kester, W.A. Testing with A/D and D/A converters for colour video applications 1-34068
- Kester, W.A. Test setups judge speed of ultrafast 8-bit DACs 1-40177
- Ketchen, M.B. *see* Anderson, C.J. 1-27258
- Ketchen, M.B. *see* Jaycox, J.M. 1-28353
- Ketchion, I.R. *see* Page, N.W. 1-31692
- Ketchum, J. *see* Fellows, D. 1-29499
- Ketchum, J.W. *see* Proakis, J.G. 1-33477
- Ketis, B.-P., Krivka, I. High-frequency conductivity and acoustoelectric interaction in CdS 1-32652
- Ketkar, A.V., Agarwal, S.P., Mehta, M.B. A systematic test programme to aid planning and materials management 1-44030
- Ketkar, S.N., Keto, J.W., Holder, C.H., Jr. Correlator for measuring picosecond pulses—a new design 1-37202
- Keto, J.W. *see* Ketkar, S.N. 1-37202
- Kett, B. Recent changes in DVM technology 1-38215
- Kett, P. Designing busbar trunking with user safety in mind 1-49062
- Kettani, M.Ali *see* Ali Kettani, M.
- Ketterer, J.R., Fisher, J.J. The Navy F/A-18A Hornet electromagnetic compatibility program 1-52896
- Ketterson, J.B. *see* Zheng, J.Q. 1-32959
- Kettleborough, G. *see* Fanthome, B.A. 1-52875
- Kettler, D.A. *see* Haenschke, D.G. 1-33887
- Keun-Cheol Lee *see* Kyun-Hyon Tchah 1-47840
- Keuster, C. *see* De Keuster, C.
- Keutner, H. A study of a once-through high temperature reactor with a Helium turbine 1-38879
- Keviczky, L. *see* Kovacs, K. 1-43587
- Kevorkian, A.K. Partitioning of the minimum essential set construction problem 1-27019
- Kevorkian, A.K. A decomposition methodology and a class of algorithms for the solution of non-linear equations 1-45003
- Keyes, G.S. *see* Riederer, S.J. 1-34591
- Keyes, M.A., IV *see* Kaya, A. 1-53846
- Keyes, R.W. The carrier concentration in heavily doped silicon 1-32607
- Keyes, W.I. *see* Flower, M.A. 1-43313
- Keyser, R. *see* Gamble, J. 1-48317
- Keyser, R. *see* Hoffman, E.J. 1-34578
- Keyser, R.M. *see* Williams, C.W. 1-38492
- Keyte, G.E. Preliminary results from the RAE digital processor [radar imaging] 1-29805
- Kezunovic, M. Digital protective relaying algorithms and systems—an overview 1-53139
- Khabrat, N.I., Morozov, A.D. Measuring torque in drives of automatically controlled machines 1-38299
- Khachaturov, B.A. *see* Baldin, B.Yu. 1-34484
- Khadakkar, A.G., Iyer, N.R., Appa Rao, T.V.S.R. Determination of the torsional stiffness of an azimuth tube with a stiffened opening by holographic interferometry 1-52607
- Khadkikar, S., Mukhedkar, D. Canadian examples of international transfer of technology 1-31806
- Khadr, A. *see* Loparo, K.A. 1-48980
- Khadr, N. *see* Richards, B. 1-43354
- Khafizov, M.Kh. *see* Sergeev, D.A. 1-38077
- Khalkhyan, R.A. *see* Shul'ts, L.A. 1-49280
- Khaikov, A.Z. *see* Fialkova, D.G. 1-40349
- Khaimov-Mal'kov, V.Ya. *see* Danieleiko, Yu.K. 1-40879
- Khaimov-Mal'kov, V.Ya. *see* Danileiko, Yu.K. 1-41134
- Khainson, A.V., Treivas, V.G., Pirogov, N.A. Mathematical modeling of electric arc furnace secondary current lead 1-35511
- Khairerdinov, K.A. *see* Bazhenov, V.Yu. 1-51471
- Khait, A.D. *see* Zholnerovich, O.A. 1-36001
- Khait, Y.G. *see* Duell, M.A. 1-35055
- Khaejan, E. *see* Sohrabi, M. 1-48633
- Khakimov, A.A. *see* Sychugov, V.A. 1-28673
- Khakimov, A.N., Koshelev, N.N., Safonov, N.A. Calculation of parameters of the cooling programme in electrosag welding with the control of thermal cycles 1-53825
- Khalboshin, A.P. *see* Kucherov, Ya.R. 1-36425
- Khaletskiy, M.B., Tikhonov, A.A., Ivanov, A.E., Glebov, G.M. Integrated magnetic heads: theory and practice 1-36824
- Khalid, M. *see* Kekre, H.B. 1-37664
- Khalil, A., Pandel, J. Interpolation circuits as a test-aid for switched-capacitor filters and digital filters 1-32153
- Khalil, M.O. The optimum magnetic loading and slot dimensions for non-salient synchronous machines operating at the minimum loss 1-53402
- Khalileev, P.A. *see* Zenin, E.I. 1-36020
- Khaller, Yu. *see* Rammo, I. 1-41099
- Khamidullin, V.K., Bortsov, V.L., Rudin, V.V. Autocompensation device for measuring signal propagation time 1-42775
- Khan, A.A., Anand Das, Y. Solid-state composite unit devices 1-46117
- Khan, A.A., Das, Y.A. Effect of frequency on the current gain of transistor-resistor-coupled device 1-27300
- Khan, A. *see* Athar *see* Athar Khan, A.
- Khan, H.A., Ahmad, I. Radon/thoron detection properties of a CR-39 plastic track detector 1-48632
- Khan, H.A. *see* Jamil, K. 1-48641
- Khan, H.R., Schauer, W. Microstructure and superconductivity of some C15 laves phase alloys:  $V_2Hf$ ,  $V_2Hf_{51}Nb_{49}$  and  $V_2Hf_{51}Nb_{21}Ti_{28}$  1-28305
- Khan, I.U. Reliability and maintainability of equipment 1-50043
- Khan, M.H. *see* Maheshwari, R.C. 1-37027
- Khan, M.K., Godejahn, G.C., Jr. A self-aligned contact MOS process for fabricating VLSI circuits 1-46312
- Khan, M.S. Free products of topological groups with central amalgamation 1-50190
- Khan, M.U. LED indicates timing error in emitter-coupled-logic one-shot 1-40011
- Khan, N.A. *see* Waheed, A. 1-38428
- Khan, P.J. *see* Bates, B.D. 1-45670, 1-50624
- Khan, P.J. *see* Griffiths, G. 1-33040
- Khan, P.J. *see* Hicks, R.J. 1-45699
- Khan, P.J. *see* O'Neill, C.J. 1-51554
- Khan, P.J. *see* Price, G.B. 1-27582
- Khan, P.J. *see* Steer, M.B. 1-28950
- Khan, R.H. *see* Bruton, L.T. 1-45525
- Khan, S.A. *see* Ida, A.A. 1-38862
- Khan, S.U., Lee, S.T. Estimation of power-pooling benefits from production simulations 1-34776
- Khan, S.U., Lee, S.T. Estimation of power-pooling benefits from production simulations 1-43512
- Khan, T.P., Roychowdhury, R.K. Parametric instabilities in randomly inhomogeneous plasma 1-46951
- Khan, W.I. *see* Melville, D. 1-28858
- Khandetskin, V.S. *see* Florov, A.K. 1-50445
- Khandetskin, V.S. *see* Florov, A.K. 1-38254
- Khanevskii, V.L. *see* Trofimova, N.V. 1-38292
- Khanin, Ya.I. *see* Gaponov, S.V. 1-37216
- Khanjanov, S.K. *see* Abdullayev, A.G. 1-40473
- Khanna, A.P.S., Obregon, J. Microwave oscillator analysis 1-40233
- Khanna, J.K. *see* Verma, M.C. 1-43989
- Khanna, V.K. *see* Nahar, R.K. 1-32509
- Khantsev, A.I. *see* Vyshlov, V.A. 1-52576
- Khantsis, B.G. *see* Aparisi, R.R. 1-49350
- Khanzhiev, A.S. *see* Zulkovskii, Yu.G. 1-49156
- Khapaev, M.M. Investigation of algorithmic features of the macroparticle method using the example of the one-dimensional model 1-50258
- Khapalyuk, A.P. *see* Kalosha, V.P. 1-37348
- Kharadly, M.M. *see* Vander Star, J.A. 1-28892
- Kharchenko, V.A. *see* Zil'berlat, M.A. 1-35521
- Kharisov, V.N. *see* Tikhonov, V.I. 1-37524, 1-37525
- Kharlamov, V.A. *see* Ivannikov, V.M. 1-35037
- Khasanov, I.N. *see* Yushchenko, V.I. 1-52449
- Khasikov, V.V. *see* Stuchebnikov, V.M. 1-48061
- Khas'kin, O.S. *see* Kalikhman, V.L. 1-27696
- Khas'minskii, R.Z. *see* Golubev, G.K. 1-44884
- Khatir, C.G., Shah, K.R. On the unbiased estimation of fixed effects in a mixed model for growth curves 1-35778
- Khatir, C.G., Shah, K.R. Interval estimation of the common mean 1-35784
- Khattak, C.P. *see* Schmid, F. 1-50315
- Khayutin, L.M. Polarization effects in the interaction between waves generated by coupled-transition lasers 1-28763
- Khazanov, A.Sh., Shislo, V.N., Scherbich, A.V., Korabchikov, V.D., Pashlovskiy, I.Yu., Solnechnaya, E.V. A centralized automatic system for the monitoring and control of radio and television broadcasting stations 1-37996
- Khazanov, E.E. *see* Bodyachevskii, S.V. 1-31871
- Khazanovich, I.A. *see* Kadyrov, T.M. 1-31293
- Khazins, D.M. *see* Alekseev, G.D. 1-52706
- Khe, N.C., Shimizu, I., Inoue, E. Sensitization of a photoreceptor consisting of PVK and ZnO for electrophotography 1-33109
- Kheifets, A.L. *see* Pincuk, I.S. 1-39242
- Kheifets, S. Electromagnetic fields in an axial symmetric waveguide with variable cross section 1-48489
- Kheifets, S. Recent experimental results on the beam-beam effects in storage rings and an attempt of their interpretation 1-48511
- Kheirallah, H.N., Segal, B., Olsen, R.L. Application of synthetic storm data to evaluate simpler techniques for predicting rain attenuation statistics 1-28884
- Khemthong, S. *see* Iles, P. 1-35388
- Khenkin, E.A. *see* Polikarpov, E.D. 1-40195
- Kherouf, R. *see* Fleuret, N. 1-34479
- Khilla, A.M. Computer aided design of an optimum Chebyshev microstrip taper 1-27596
- Khilla, A.M. Analysis of wide-band microstrip circulators by point-matching technique 1-45624
- Khilla, A.-M. Planar rectangular resonators for X-junction circulators 1-40217
- Khilla, A.-M. Simple design of x-junction microstrip circulators 1-50615
- Khimich, A.K. *see* Poleshchuk, A.G. 1-46770
- Khinchin, H.P. *see* Premakumar, N. 1-38673
- Khinov, Kh., Mincheva, N. Geometric model of the transition process in a parallel inverter 1-50422
- Khishnjak, A. *see* Markov, V. 1-41165
- Khiterer, Yu.Ya. An analysis of circuits and the classification of devices, for reducing the open-circuit voltage of power sources for electric arc welding 1-53826
- Khizhnyak, N.A. *see* Aleksandrova, A.A. 1-37303
- Khizhnyak, N.A. *see* Gal, L.V. 1-37318
- Khlebinskii, I.V. *see* Blavdzek, Yu.G. 1-44071
- Khlebnikov, S.D. *see* Voro'bev, V.V. 1-44144
- Khleborodov, V.A. Cross-colour conversion in PAL-SECAM transcoding 1-47764
- Khlobystov, V.V. Problem of eliminating ambiguities in phase measurements 1-30228
- Khlopov, S.G. *see* Volkov, B.S. 1-52722
- Khlyntsev, V.P. *see* Nikonenkov, N.V. 1-40371
- Khobare, S.K. Noise measurement analysis of NPN transistors after gamma irradiation—an investigation for reliability 1-36601
- Khodakov, V.E., Gorski, B.A. Automation of data processing in production quality control 1-53841
- Khodosov, E.F. *see* Dovgii, V.T. 1-40787
- Khodynkov, Yu.S. *see* Voronin, Yu.V. 1-41007
- Khodyrev, Yu.S. *see* Vasiliev, V.V. 1-48466
- Khoe, T.K., Cho, Y., Holt, R.J., Jackson, H.E., Mavrogenes, G.S. The design of the Argonne double-sided microtron 1-42892
- Khoe, T.K. *see* Cho, Y. 1-42872, 1-42901
- Khokhani, K.H., Patel, A.M., Ferguson, W., Sessa, J., Hatton, D. Placement of variable size circuits on LSI masterslices 1-46248
- Khokhlov, Yu.L., Krasnogortsev, I.L., Menshchikova, L.V., Gur'ev, A.S., Kazanbaev, L.A., Novikov, R.I. Operating results of a system comprising an uncompensated reversible rectifier and an electrolysis plant 1-39225
- Kholmskii, D.V., Vanev, B.N. Referred expenditure and power system reliability 1-30603
- Kholodnykh, A.I. Calculation of the power and threshold characteristics of pulsed single- and double-cavity optical parametric oscillators on the basis of approximate dynamical equations 1-51525
- Kholodnykh, A.I. *see* Baryshev, S.A. 1-41146
- Kholodov, A.S. On the formulation of accurate difference schemes for equations of the hyperbolic type 1-39704
- Kholomeyev, V.F. *see* Karpenko, V.A. 1-28964
- Khomenko, A.V. *see* Petrov, M.P. 1-28528
- Khonskii, I.G. *see* Babin, V.V. 1-31332
- Khomyakov, E.N., Kartashov, O.G. Estimation of the parameters of two-dimensional spatial signals 1-41724
- Khoi, I.C. Degenerate four-wave mixing in the nematic phase of a liquid crystal 1-28766
- Khoroshkov, Yu.V. *see* Kurashov, V.N. 1-41810
- Khoruzhii, J.Kh. *see* Ivanov, N.V. 1-45067
- Khoshaim, B. *see* Imamura, M.S. 1-31112
- Khoshaim, B. *see* Sofrata, H. 1-53799
- Khoshnevisan, M., Hall, R.L., Sovero, E.A., Skurnick, E., Davidian, W. Application of  $Tl_3AsSe_3$  for long wavelength acousto-optic beam steering devices 1-33097
- Khoshnevisan, M., Sovero, E., Newman, P.R., Tracy, J. Development of a cryogenic infrared acousto-optic tunable spectral filter 1-46594
- Khoshnevisan, M. *see* Sovero, E.A. 1-33099
- Khosla, K.L., Arur, M.G., Gupta, S.K. Standardization in the field of optical and mathematical instruments 1-31853
- Khosla, R.P. *see* Lee, T.H. 1-40364
- Khosravi, P. *see* Bosio, R.G. 1-49845
- Khosroshvili, N.G. Efficiency of protective breakers in 1000 V overhead mains networks 1-49174
- Khostikyan, M.G. *see* Kalabanyan, G.A. 1-34857
- Khotin, V.A. *see* Borodachev, A.S. 1-31712
- Khotuntsev, Yu.L. *see* Logvinov, M.M. 1-45307
- Khozam, A.A. *see* Razek *see* Razek Khozam, A.A.
- Khramov, A.Ya. *see* Karpov, I.V. 1-27322
- Khrantsov, V.N., Il'kens, M.K., Pashentsev, I.D., Uzars, Y.A. Determination of the maximum speed limit of the growth of power loss for series-connected thyristors during turn-on 1-28011
- Khristanov, Kh.A. *see* Dishkov, P.S. 1-48745
- Khrstoforov, O.B. *see* Baranov, V.Yu. 1-51377
- Khrstov, H.R., Astardzhiyan, G.B., Balchev, I.M., Gudzhunov, B.S., Lefterov, A.G. Analysis of alpha-numeric TV-images 1-34060
- Khrstov, Kh.G. *see* Lyutskanov, V.L. 1-37085

- Khrystov, K.H.**, Lefterov, A.G., Astarzhyan, G.B. Systematic approach to implementing the screen-functions of a CRT-terminal 1-34215
- Khrystov, S.N.**, Mikov, M.M. Methods for producing impulse current with small fronts 1-45332
- Khrounov, E.V.** *see* Petrov, B.N. 1-38547
- Khrustalev, V.A.**, Danilov, P.V. Power control of turbine equipment in two-stage nuclear power stations 1-43841
- Khrustaleva, L.V.** *see* Sablin, V.K. 1-38144
- Khudaverdyan, S.Kh.** *see* Losev, V.V. 1-33143
- Khuduguev, V.I.** Voltage and current asymmetry in 380/220 V rural mains, allowing for the balancing effect of induction motors 1-34860
- Khue Le Quang** *see* Le Quang Khue
- Khukhareva, I.S.** *see* Dyachkov, E.I. 1-28277
- Khulugurov, V.M.** *see* Varnavskii, O.P. 1-41077
- Khumawala, B.M.** *see* Jacobs, F.R. 1-35860
- Khurana, O.P.** *see* Sethi, V.S. 1-29982
- Khurana, S.K.** *see* Athani, V.V. 1-49525
- Khuri, A.I.**, Meyers, R.H. Design related robustness of tests in regression models 1-39536
- Khuri-Yakub, B.T.**, Smits, J.G. Reactive magnetron sputtering of ZnO 1-39820
- Khuri-Yakub, B.T.**, Smits, J.G. Reactive magnetron sputtering of ZnO 1-50319
- Khuri-Yakub, B.T.** *see* Bowers, J.E. 1-46372
- Khuri-Yakub, B.T.** *see* Chou, C.H. 1-36807
- Khuri-Yakub, B.T.** *see* Gill, D.K. 1-36801
- Khuri-Yakub, B.T.** *see* Green, J.B. 1-28207, 1-32936
- Khuri-Yakub, B.T.** *see* Liang, K. 1-38612
- Khuri-Yakub, B.T.** *see* Selfridge, A.R. 1-36808
- Khvashchevski, S.** *see* Bovzhik, Ya. 1-48622
- Khveston, V.B.** *see* Fedotov, A.P. 1-30290
- Ki-Seon Lee**, Eui Tock Kang Direct observations of aluminium-silicon junction interface structure 1-27863
- Kian Ku Fu** *see* Fu Kian Ku
- Kiang, Y.C.** *see* Kahway, V.N. 1-45708
- Kiang Yean-Woei** *see* Yean-Woei Kiang
- Kibe, S.V.** Zero crossing analysis of FM threshold 1-29077
- Kibrik, G.E.** Modulator for pulsed nuclear magnetic resonance spectrometer 1-36158
- Kichikawa, T.** *see* Endo, F. 1-32900
- Kida, H.** *see* Nakajima, K. 1-51935
- Kidd, J.**, Mokhov, N., Murphy, T., Palmer, M., Toohig, T., Turkot, F., VanGinneken, A. A high intensity beam dump for the Tevatron beam abort system 1-43067
- Kido, K.** *see* Abe, M. 1-52960
- Kido, K.** *see* Miwa, J. 1-33581
- Kido, K.** *see* Yaegashi, J. 1-51904
- Kido, M.** *see* Kawabata, H. 1-34746
- Kidode, M.** *see* Shinoda, H. 1-30046
- Kidron, I.** *see* Shacham-Diamand, Y.J. 1-33137
- Kiebler, J.W.**, Kimball, H.G. The impact of WARC-79 on space applications 1-52207
- Kiefer, G.** The electricity supply of caravans, boats and yachts 1-26864
- Kiefer, G.** Power supply for caravans, boats and yachts. II. Examples of planning of an installation for a camping site 1-30658
- Kiefer, J.** Optimal design theory in relation to combinatorial design 1-27020
- Kieffer, H.** *see* Schwarz, E. 1-34040
- Kieffer, J.**, Golceff, B.V. A modular safety interlock system for high energy physics experiments 1-34511
- Kieffer, J.C.** Block and sliding-block coding theorems for a stationary channel 1-33456
- Kieffer, J.C.** *see* Fontana, R.J. 1-41456
- Kiehl, R.A.**, Osbourn, G.C. Physics of short-gate GaAs MESFETs from hydrostatic pressure studies 1-46146
- Kiehne, H.A.** A new generation of stationary lead-acid batteries for telecommunications 1-47470
- Kiehne, H.A.** *see* Eberts, K. 1-38701
- Kiebusch, A.** *see* Borgelt, D. 1-39954
- Kielbasinski, A.** Iterative refinement for linear systems in variable-precision arithmetic 1-35865
- Kienast, W.**, Kurejcik, V.M., Kalasnikov, V.A. The layout-design of LSI circuits on the basis of topological fragments 1-40652
- Kienle, P.** *see* Daniel, H. 1-42899
- Kienle, P.** *see* Wagner, W. 1-43127
- Kienzler, R.** *see* May, H. 1-46293
- Kiesling, C.** *see* Behrend, H.-J. 1-43229
- Kiet Duong Tuan** *see* Tuan Kiet Duong
- Kigel', G.A.** *see* Balashov, B.M. 1-35550
- Kiguchi, M.** *see* Saikan, S. 1-46705
- Kihara, K.**, Koizumi, K. Coal handling system for coal-fired power plants 1-43891
- Kihara, M.** *see* Tanaka, J. 1-48571
- Kihara, M.** *see* Watanabe, M. 1-42822
- Kihara, T.** *see* Tsubaki, I. 1-29642, 1-42199
- Kihm, T.**, Beebe, M., Brenneise, C., Weglein, R.D. A W-band, coherent, pulse-compression transceiver using linear frequency modulation 1-47736
- Kijewski, P.K.** *see* Chin, L.M. 1-34633
- Kijima, K.** *see* Hirao, T. 1-45396
- Kikkawa, S.**, Murata, T. Identification of an unknown pattern asynchronously generated in noise 1-33648
- Kikkawa, S.** *see* Suzuki, Y. 1-33690
- Kikkert, C.J.** Frequency modulation with low distortion [in broadcast transmitters] 1-29858
- Kikkert, C.J.** New method for generating frequency modulation 1-36159
- Kikuchi, A.** *see* Iwata, S. 1-36586
- Kikuchi, H.** *see* Inui, N. 1-40013
- Kikuchi, H.** *see* Iwata, A. 1-33872, 1-52007
- Kikuchi, K.**, Okoshi, T. Achievement of 1 MHz frequency stability of semiconductor lasers by double-loop AFC scheme 1-46732
- Kikuchi, K.** *see* Makimoto, M. 1-47800
- Kikuchi, K.** *see* Shiraishi, F. 1-34451
- Kikuchi, M.** *see* Kyusojo, A. 1-42505
- Kikuchi, M.** *see* Sakurai, Y. 1-43278
- Kikuchi, N.** Convergence of a penalty-finite element approximation for an obstacle problem 1-35926
- Kikuchi, S.** *see* Yasunobu, S.-I. 1-42130
- Kikuchi, T.** *see* Izumi, K. 1-51912
- Kikuchi, Y.** Digital RLC instruments: measurement principles—functions—characteristics 1-34244
- Kikuchi, Y.** *see* Hanaki, S. 1-47456
- Kikuchi, Y.** *see* Yamauchi, R. 1-42255
- Kikuno, T.**, Yoshida, N., Waka-Bayashi, S. The complexity of some decision problems on common supersequences 1-39522
- Kikushima, M.** *see* Ohkubo, M. 1-48038
- Kikuta, T.**, Nanpo, Y., Kashiwayanagi, Y. The inductive radio communication equipment for the new transportation system 'FAST' 1-29638
- Kikuyama, A.** *see* Takahashi, S. 1-52544
- Kilburn, R.F.**, Neumann, E.W. Means of attaching a heat sink to a module 1-39407
- Kilcullen, M.B.** Measurement of residual thickness of Cor-Ten steel using an EMA probe 1-34731
- Kildal, P.-S.** Discrete phase-steering by permuting precut phase cables 1-47023
- Kilgenstein, S.** Voltage reference 1-27256
- Kilgenstein, S.** Sine/square wave generator 1-27347
- Kilimnik, I.I.** *see* Ivashchenko, P.F. 1-34179
- Kilius, L.R.** *see* Litherland, A.E. 1-48663
- Kiljanski, R.** Thyristor overcurrent protection by quick-acting fuses 1-44293
- Killat, U.**, Clausen, C., Rabe, G. Binary phase gratings for couplers used in fiber-optic communications 1-28458
- Killat, U.** *see* Behr, J.P. 1-29482
- Killat, U.** *see* Behr, J.-P. 1-29506
- Killeen, K.** *see* Verdeyen, J.T. 1-51387
- Killeen, T.L.** *see* Abreu, V.J. 1-48847
- Killian, E.W.** *see* Johnson, L.O. 1-34512
- Killian, T.** *see* Cockerill, D. 1-43233
- Killiches, H.** On the long term KDT training programme in the field of microelectronics, 1981 to 1983 1-26800
- Killig, K.** *see* Glasow, P.A. 1-34453
- Killinger, D.K.**, Menyuk, N. Effect of turbulence-induced correlation on laser remote sensing errors 1-47745
- Killinger, D.K.**, Menyuk, N. Effect of turbulence-induced correlation on laser remote-sensing errors 1-48865
- Killinger, D.K.** *see* Menyuk, N. 1-37972
- Killoran, N.**, Cavenett, B.C., Hagston, W.E. Magneto-optical measurements on the 0.839 eV emission in GaAs:Cr 1-27825
- Kilmer, C.** Process-independent delay driver 1-36164
- Kilodin, L.G.**, Mukashev, B.N. Recombination and electrical properties of electron-irradiated p-type silicon 1-32622
- Kilpatrick, D.** Laser fibre optic Doppler anemometry in the measurement of blood velocities in vivo 1-48699
- Kilroy, W.P.**, James, S.D. Promotion by carbon of the reactivity of lithium with SOCl<sub>2</sub> and SO<sub>2</sub>—effect on lithium battery safety 1-39107
- Kilroy, W.P.** *see* Dallek, S. 1-39111
- Kilty, R.S.** *see* Goldman, B.A. 1-37833
- Kilyator, A.M.** Single button control of an electric drive 1-36385
- Kim, B.G.**, Towlsey, D.F. Dynamic flow control protocols for voice packet multiplexers 1-29580
- Kim, C.** *see* Chupp, W. 1-48405
- Kim, C.** *see* Shiraishi, F. 1-34451
- Kim, C.S.**, Shen, C.N. A two-dimensional recursive smoothing algorithm using polynomial splines 1-33675
- Kim, D.Y.** *see* Kim, H.K. 1-50556
- Kim, E.M.** *see* Franzen, D. 1-51146
- Kim, E.M.** *see* Franzen, D.L. 1-33023, 1-36924
- Kim, H.**, Fugitt, J., Crosby, F., Johnson, R. A unique space saving accelerator cavity design 1-48331
- Kim, H.** *see* Shiraishi, F. 1-34451
- Kim, H.B.** *see* Feng, M. 1-35943, 1-50875
- Kim, H.K.**, Kim, D.Y. A new approach to the active realization of elliptic filters 1-50556
- Kim, H.K.** *see* Ismail, M. 1-45517
- Kim, H.S.**, Kim, Y.S., Cho, Z.H., Hilal, S.K. Phase delay and attenuation corrections in Fourier transform NMR tomographic imaging 1-34583
- Kim, J.Y.**, Frair, L.C. Optimal reliability design for complex systems 1-44758
- Kim, K.** *see* Lambertson, G.R. 1-42997
- Kim, O.K.**, Forrest, S.R., Bonner, W.A., Smith, R.G. A high gain In<sub>0.53</sub>Ga<sub>0.47</sub>As/InP avalanche photodiode with no tunneling leakage current 1-51265
- Kim, S.H.**, Smith, R.P., Kustom, R.L., Praeg, W.F., Krieger, C.I. Development of a pulsed cable test facility for superconducting ohmic heating coils 1-28371
- Kim, S.K.**, van der Ziel, A. Hot electron noise and g-r noise in short-channel JFETs 1-36638
- Kim, S.K.**, van der Ziel, A., Liu, S.T. Hot electron noise effects in buried channel MOSFETs 1-36637
- Kim, W.** *see* Anheier, W. 1-40057
- Kim, Y.C.** *see* Wu, C. 1-38792
- Kim, Y.C.** *see* Powers, E.J. 1-47709
- Kim, Y.S.** *see* Kim, H.S. 1-34583
- Kim Chong-Ki** *see* Chong-Ki Kim
- Kim Geung-Ho** *see* Geung-Ho Kim
- Kim Gi Il** *see* Gi Il Kim
- Kim Joon-Hyun** *see* Joon-Hyun Kim
- Kim Kun-Ho** *see* Kun-Ho Kim
- Kim Phung Ngo** *see* Ngo Kim Phung
- Kim Tai-Jin** *see* Tai-Jin Kim
- Kim Wha-tek** *see* Wha-tek Kim
- Kimashiro, Y.** *see* Ito, N. 1-29581
- Kimata, M.** *see* Gotoh, H. 1-45091
- Kimata, M.** *see* Hiramatsu, T. 1-27880
- Kimball, G.S.** Design of an advanced cathode-ray tube (CRT) phototypesetter 1-38137
- Kimball, H.G.** *see* Katzenstein, W.E. 1-52195
- Kimball, H.G.** *see* Kiebler, J.W. 1-52207
- Kimberlin, D.R.** *see* Rogers, W.A. 1-31633
- Kimble, S.O.**, McCutcheon, M.J., Smith, D.G. A microprocessor controlled tongue contact palatometer 1-43294
- Kime, C.R.** *see* Dietmeyer, D.L. 1-35577
- Kimerling, L.C.** *see* Swaminathan, V. 1-45920
- Kimmance, N.** A menu for effective testing [electronic assemblies] 1-26962
- Kimmance, N.** Effective bare board testing 1-45763
- Kimmins, S.T.**, Anderson, J.C. Trapping states in thin film transistors measured by thermally stimulated currents 1-40617
- Kimmins, S.T.**, Anderson, J.C. Carrier transport in CdSe/SiO<sub>2</sub> thin film transistors 1-46175
- Kimmitt, M.F.** Power measurements with a photon-drag detector 1-48193
- Kimmitt, M.F.** *see* Kar, A.K. 1-41140
- Kimura, F.** *see* Murase, H. 1-41821
- Kimura, H.**, Shimada, T. Automatic laser radar system for measurement of atmospheric pollutants 1-48884
- Kimura, I.** *see* Hashimoto, K. 1-41408
- Kimura, I.** *see* Hayashi, S.A. 1-52651
- Kimura, I.** *see* Ohdomari, I. 1-46051
- Kimura, I.** *see* Takao, K. 1-37378
- Kimura, K.** *see* Kobayashi, S. 1-33233
- Kimura, K.** *see* Kurihara, I. 1-34748
- Kimura, M.**, Kondo, I., Horie, M. High-speed electrostatic recording for facsimiles 1-41924
- Kimura, M.** *see* Imaizumi, I. 1-40690
- Kimura, M.** *see* Imamura, H. 1-52662
- Kimura, M.** *see* Isobe, M. 1-27469
- Kimura, M.** *see* Mizutani, Y. 1-40710
- Kimura, N.** *see* Takeda, K. 1-42656
- Kimura, S.**, Agui, T. Reproduction of gray level pictures by a high-pressure ink-jet device 1-41927
- Kimura, S.** *see* Chiba, T. 1-46267
- Kimura, S.** *see* Matsuo, M. 1-43321
- Kimura, S.** *see* Saito, K. 1-49010
- Kimura, S.** *see* Tatsumi, S. 1-33695
- Kimura, S.** *see* Toriwaki, J. 1-41820
- Kimura, T.**, Ohwada, N., Jimbo, Y., Shimada, S., Matsumoto, H. Interface LSI's for data terminals and facsimile 1-51987
- Kimura, T.**, Sakaguchi, S., Nakahara, M. Long-term mechanical reliability of silica fibers 1-40917
- Kimura, T.** *see* Hara, E.H. 1-41019, 1-51274
- Kimura, T.** *see* Ito, M. 1-37133, 1-37134
- Kimura, T.** *see* Machida, S. 1-46503
- Kimura, T.** *see* Ohwada, N. 1-51897
- Kimura, T.** *see* Yamada, J.I. 1-42231
- Kimura, Y.** TRISTAN—the Japanese electron-proton colliding beam project 1-42874
- Kimura, Y.** *see* Gotoh, T. 1-34164
- Kimura, Y.** *see* Ikeda, H. 1-42967
- Kimura, Y.** *see* Ishimaru, H. 1-42836
- Kimura, Y.** *see* Kamei, T. 1-42790
- Kimura, Y.** *see* Mitsunobu, S. 1-42828
- Kimura, Y.** *see* Morikawa, Y. 1-33651
- Kim-sing Kwok** *see* Hirota, O. 1-51482
- Kinal, G.V.** *see* McGregor, D.N. 1-29117
- Kinash, B.M.**, Timoshik, N.I., Sheremet, Z.K. Investigating the development of lightning surges on plant when setting the protective gaps on substation approaches 1-34930
- Kinber, B.E.** *see* Kytina, I.G. 1-36859
- Kinber, B.Ye.**, Kravtsov, Yu.A., Salganik, M.P. An approach to description of mode conversion in a bent waveguide, based on geometrical optics 1-33386
- Kinch, M.A.** *see* Beck, J.D. 1-28045
- Kindell, C.** Ribbon cable review 1-27645

- Kindirenko, F.G., Rudy, L.N., Tolochko, A.F. A method of designing a digital receiver for FM signals 1-47454
- Kindl, D., Kotrba, P., Kuzelova, P. Determination of parameters of the loading characteristic of a solar cell 1-53619
- Kindl, H., Kruger, H. State of the art and future LCDs 1-34339
- Kindlarski, E. Quality of TV set and quality of TV image 1-29869
- Kindlien, E.K., Strandhagen, T. Oslo's new telex exchange: traffic functions 1-47346
- Kindlien, E.K. *see* Thommessen, I. 1-47345
- Kindlund, A. *see* Armgarth, M. 1-38599
- King, A. *see* Jonker, M. 1-43256
- King, B.D. *see* Jordan, J.G. 1-44674
- King, B.V., Kelly, J.C., Dalglish, R.L. A strain monitor for ion implantation 1-47894
- King, D.G. *see* Wholahan, J.D. 1-38490
- King, D.H.E. Millivoltmeter with LED display 1-38238
- King, D.H.E. TTZ—a transistor transistor zener-effect circuit 1-45271
- King, D.L. *see* Lizzi, F.L. 1-38504
- King, E.I. *see* Davey, K.R. 1-44040
- King, F. *see* Beltran, F. 1-47048
- King, F.K. Datapoint thin film media 1-40793
- King, H.E. *see* Dybdal, R.B. 1-52570
- King, H.E. *see* Wong, J.L. 1-51693
- King, J.D. *see* Liska, D.J. 1-43078
- King, J.S. *see* Berliner, R. 1-48610
- King, M., Yang, C.C.T. Future economy of electric power generated by nuclear and coal-fired power plants 1-34750
- King, M. *see* Glover, K.W. 1-38383
- King, N.S.P. *see* Baer, H.M. 1-34516
- King, P.H., Hubner, K., Gibbs, W., Holloway, E. Noise identification and removal in positron imaging systems 1-34584
- King, P.P. Pressurization of nuclear fuel rods using laser welding 1-30934
- King, P.W. *see* Balderston, J. 1-34293
- King, R., Stuart, T.A. A normalized model for the half-bridge series resonant converter 1-32171
- King, R.A., Holbeche, J. Impact of entropic coding on the time delays associated with time-encoded speech (TES) systems 1-37408
- King, R.A., Kayran, A.H. A new stabilization technique for 2-dimensional recursive digital filters 1-40129
- King, R.A., Kayran, A.H. A new transformation technique for the design of 2-dimensional stable recursive digital filters 1-45542
- King, R.A. *see* Azimi Sadjadi, M.R. 1-29150
- King, R.A. *see* Pal, S.K. 1-33600, 1-41830, 1-51866
- King, R.H. Laboratory evaluation of underground coal mine trailing cable splices 1-53097
- King, R.J. *see* Park, K.S. 1-51745
- King, R.T. *see* Zeppieri, D.J. 1-45723
- King, R.W.P., Blejer, D.J., Tai Tsun Wu Standing waves and notches in an EMP simulator and their reduction 1-37324
- King, R.W.P., Sandler, B.H. Analysis of the currents induced in a general wire cross by a plane wave incident at an angle with arbitrary polarization 1-41296
- King, T. *see* Rounds, E.M. 1-47957
- King, T.A. *see* Baker, H.J. 1-28752, 1-46684
- King, T.L. *see* Novotny, D.W. 1-44068
- King, W.C. *see* Chin, A.K. 1-33163
- King-Sartor, T.L., Neff, R.D. Health physics operations supporting a university veterinary medicine program 1-48762
- Kingham, T.E. Filters and filtered connectors 1-28943
- Kingsley, S.A. *see* Ball, P.R. 1-28470
- Kingsley, W.E., Huber, W.H., Lee, A. Monolithic adaptive bandpass filter charge-coupled device (CCD) multiplexer for a staring mosaic sensor 1-42548
- Kinh Nguyen Viet *see* Nguyen Viet Kinh
- Kinthead, A.K. *see* Bettis, J.R. 1-51496
- Kinnen, E. *see* Ciesielski, M.J. 1-46262
- Kinney, E.R., Matthews, J.L., Sapp, W.W., Schumacher, R.A., Owens, R.O. A simple light guide for coupling to thin scintillator sheets 1-48593
- Kinnier, J.H. *see* Fang, P.H. 1-53614
- Kinnier, J.H. *see* Schubert, C.C. 1-49689
- Kinnison, W.W. *see* Yang, M.-J. 1-48584
- Kino, G.S., Corl, D., Bennett, S., Peterson, K. Real time synthetic aperture imaging system 1-38611
- Kino, G.S. *see* Bowers, J.E. 1-37489, 1-41631, 1-46372
- Kino, G.S. *see* Chou, C.H. 1-36807
- Kino, G.S. *see* Green, J.B. 1-28207, 1-32936
- Kino, G.S. *see* Liang, K. 1-38612
- Kino, G.S. *see* Selthridge, A.R. 1-36808
- Kino, G.S. *see* Thornton, R.L. 1-36756
- Kino, Y. *see* Furuya, N. 1-36763
- Kinosada, T. *see* Ishida, S. 1-45967
- Kinoshita, A. *see* Odawara, G. 1-32493
- Kinoshita, G. *see* Golecki, I. 1-39805
- Kinoshita, H., Sakashita, T., Fujiyasu, H. (p/n)PbTe multiple-layer films prepared by a hot wall technique 1-45980
- Kinoshita, J., Uematsu, Y. Improvement in surface morphology of InGaAsP-InP wafers by dummy layer technique 1-27117
- Kinoshita, K. A single board refresh memory for picture display 1-45403
- Kinoshita, K. *see* Hata, M. 1-47565, 1-47566
- Kinoshita, K. *see* Tanaka, C. 1-45412
- Kinoshita, M. *see* Nishida, H. 1-40435
- Kinoshita, S. *see* Kusano, T. 1-49118
- Kinoshita, S. *see* Nakagawa, T. 1-34134
- Kinoshita, S. *see* Yajima, K. 1-43365
- Kinoshita, T., Sekiguchi, T. On the scattering of a plane electromagnetic wave by a conducting circular cylinder of finite length 1-46853
- Kinoshita, T. *see* Iwamura, J. 1-27476
- Kinoshita, Y. *see* Hikita, M. 1-36785
- Kins, F.F. Hop *see* Hop kins, F.F.
- Kinsey, G. In-circuit test programming: do it yourself? 1-52344
- Kinsey, J. Plant & planning for the modern repair works 1-49938
- Kinsey, J.H., Orvis, A.L. High repetition rate volumetric X-ray CT scanning 1-38491
- Kinshofer, G. *see* Aulich, H. 1-28457
- Kintner, E.C. Polarization control in optical-fiber gyroscopes 1-28466
- Kintner, P.M. *see* Schroeder, K.R. 1-38583
- Kinuhata, K. *see* Murakami, H. 1-42211, 1-47617
- Kioustelidis, J.B. Optimal segmented polynomial  $L_p$ -approximations 1-27063
- Kippenberg, P.H. *see* Hassler, H. 1-44262
- Kippenhan, D. *see* Reginato, L.L. 1-43061
- Kipperman, A.H.M. Solar cell applications—some systems considerations 1-49705
- Kip'yanov, V.P. *see* Bogomolov, E.N. 1-42740
- Kirby, K.A. *see* Rich, J.F. 1-43929
- Kirby, P.B., Paul, W., Jacques, P., Brebner, J.L. Time-of-flight studies in sputtered a-Si:H 1-45940
- Kirby, P.B. *see* Brodsky, M.H. 1-50871
- Kirby, R.C. Getting the message across: the role of the international consultative committees in global communications 1-33719
- Kirby, R.C. Impact of WARC-79 on the studies of the International Radio Consultative Committee (CCIR) 1-52186
- Kirch, D.L. *see* LeFreec, M.-T. 1-34597
- Kircher, F. *see* Auzolle, R. 1-43102
- Kircher, M.J. *see* Comly, J.C., Jr. 1-51349
- Kirchgesner, J., Kneisel, P., Padamsee, H., Peters, J., Proch, D., Sundelin, R., Tigner, M. Design studies for a 1500 MHz superconducting accelerator cavity for use in an  $e^+e^-$  storage ring 1-48534
- Kirchgesner, J. *see* Billing, M. 1-42862
- Kirchgesner, J. *see* Padamsee, H. 1-43106
- Kirchgesner, J. *see* Seeman, J. 1-43023
- Kirchgesner, J. *see* Sundelin, R. 1-43084
- Kirchheim, A. A special renewal model as a semi Markovian decision process 1-50118
- Kirchmayer, L.K. *see* Hafele, W. (editor) 1-30863
- Kirchmayr, H. *see* Fidler, J. 1-40784
- Kirchner, E.K. *see* Gill, D.K. 1-36801
- Kirchner, P.D., Woodall, J.M., Freeouf, J.L., Pettit, G.D. Volatile metal-oxide incorporation in layers of GaAs,  $Ga_{1-x}Al_x$  and related compounds grown by molecular beam epitaxy 1-35942
- Kirchner, P.D. *see* Oliver, J.D., Jr. 1-40399
- Kirchner, P.D. *see* Woodward, D.W. 1-50789
- Kirchner, R. Progress in ion source development for on-line separators 1-52653
- Kirchner, R., Burkard, K.H., Huller, W., Klepper, O. The ion sources of the GSI on-line separator 1-52654
- Kireev, V.G. *see* Milyakh, A.N. 1-44128, 1-49398
- Kiremidjian, G.K. Image-to-map registration 1-47962
- Kireyev, O.A. *see* Grekhov, I.V. 1-32678
- Kiri, M. *see* Hosoba, M. 1-43326
- Kirichenko, G.B. *see* Maksimov, V.I. 1-51235
- Kirichenko, K.I. *see* Zhdanov, K.F. 1-42605
- Kirihaara, Y., Shigematsu, N., Hosoe, T., Matsushita, S., Suzuki, S. FICS-1 signalling interfaces [facsimile] 1-33762
- Kirihata, H., Uda, M. Externally quenched air counter for low-energy electron emission measurements 1-30348
- Kirilenko, A.A., Yashina, N.P. Rigorous mathematical analysis and electrodynamic characteristics of a diaphragm in a circular waveguide 1-51645
- Kirilenko, E.K., Maidanyuk, V.K., Prokopchuk, Yu.I., Sit'ko, S.P. Experimental method of introducing correction for  $\gamma$ -ray self-absorption in a specimen 1-52741
- Kirillov, A.D. *see* Baldin, A.M. 1-48569
- Kirillov, I.I., Faddeev, I.P., Rozin, V.S. Low-speed turbine stage-separators 1-35001
- Kirillova, R.P. *see* Kuz'min, G.I. 1-49288
- Kirisawa, K., Wakui, H. Gray scale image memory for CRT display 1-30019
- Kirk, H. *see* Willen, E. 1-43117
- Kirk, H.G., Engelmann, R., Herrera, J., Jaeger, K., Robins, K., Willen, E. Magnetic field properties of the ISABELLE project superconducting dipole magnets 1-43105
- Kirk, K. Cheap light sequencer 1-40151
- Kirk, K.J. A motor speed controller using a latched bus 1-35329
- Kirk, R. *see* Ng, P. 1-46329
- Kirkbright, G.F. Analytical science for measurement 1-47863
- Kirkby, P. *see* Boggs, S.A. 1-35322, 1-39083
- Kirkby, P.A. Semiconductor laser sources for optical communication 1-46751
- Kirkham, H., Nightingale, D., Koerner, T. Energy management system design with dispersed storage and generation 1-43559
- Kirkland, J.W. *see* Lyle, R. 1-49117
- Kirkman, D.H., Leon, N.M. Overhead projection display 1-34210
- Kirkman, D.H., Leon, N.M. Direct view miniature display 1-38131
- Kirko, I.M., Stolbov, B.M., Mann, E.G., Bazhanova, V.A. On the phenomenon of stable hovering of an annular rotating rotor 1-49713
- Kirkpatrick, J.R. *see* Wood, R.F. 1-46058
- Kirkwood, B.J. Market potential for small advanced thermomechanical cycle combustion turbine generators 1-53285
- Kirlin, R.L., Moore, D.F., Kubichek, R.F. Improvements of delay measurements from sonar arrays via sequential state estimation 1-41660
- Kirn, H. Replacement of oil heating by electricity—points of view and problems 1-53790
- Kirn, W.G. *see* Adler, R.B. 1-43562
- Kirov, K.I. *see* Danesh, P. 1-45899
- Kirov, K.I. *see* Kalitzova, M.G. 1-27789
- Kirov, N.M. *see* Hristov, H.D. 1-41373
- Kirsanova, I.V. *see* Aleksandrov, A.A. 1-30319
- Kirsch, A. *see* Wandel, K. 1-45935
- Kirsch, S.T., Biolsi, W.A., Blank, S.L., Tien, P.K., Martin, R.J., Bridenbaugh, P.M., Grabbe, P. Semileaky thin-film optical isolator 1-51216
- Kirsch, W., Muller, D. On the synthesis problem for orbits of Lie groups in  $R^3$  1-35795
- Kirschfink, F.J. *see* Kadansky, V. 1-43239
- Kirschvink, M. *see* Bouchoms, J.M. 1-39016
- Kirschvink, M. *see* van Biessen, L. 1-49198
- Kirtley, J. *see* Hartstein, A. 1-38290
- Kirtley, J.L., Jr. Armature motion damping of superconducting generators 1-44065
- Kirton, J. *see* Alder, C.J. 1-41021
- Kiryukhin, A.D. *see* Bykovskii, Yu.A. 1-36512
- Kiryukhin, B.F. *see* Sukhorouchkin, I.V. 1-45737
- Kiryukhin, V.I., Randin, V.N., Bykhovskii, E.L., Povarov, O.A., Pavlovskii, A.Z. Measuring steam wetness in the turbine separator at Kola Peninsula nuclear power station 1-30911
- Kisaragi, T. *see* Kuriki, K. 1-30529
- Kisela, E. *see* Haegle, K.H. 1-37220
- Kiselev, V.I., Apanashenko, V.V., Blagoveshchenskii, V.S. Independent control system for data transmission equipment 1-51989
- Kiselev, Yu.L., Lupinskii, M.M., Savitskaya, I.F., Savitskii, F.S. Investigation of resistance strain gauges in impact tension in the elastic region 1-48054
- Kiseleva, K.V. *see* Aleksandrov, O.V. 1-50808
- Kiseleva, L.S. *see* Aleksandrov, E.M. 1-27187
- Kish, P., Le Borgne, Y. General crossstalk model for paired communication cables 1-32442
- Kishi, G., Takeuchi, M. On the number of peripheral trees of a graph of complementary tree structure 1-31986
- Kishi, G., Takeuchi, M. On the number of peripheral trees of a graph of complementary-tree structure 1-35822
- Kishi, K. *see* Aoshima, Y. 1-30784
- Kishida, K. *see* Furukawa, H. 1-46473
- Kishigami, M., Yoneyama, H., Shibata, S. Ultrasonic testing of austenitic stainless steel welds 1-30581
- Kishii, T., Omori, T., Osada, M., Nishida, N. Recent fluoro-glass dosimeter development 1-43388
- Kishimoto, K., Ishigaki, M., Hazama, K., Matsuura, S. SAW comb filter for TV frequency synthesizing tuning system 1-36794
- Kishimoto, T. *see* Sono, K. 1-36877
- Kishimoto, Y., Takagi, T. Design considerations of a wideband switch for electronic switching system 1-42083
- Kishino, K. *see* Arai, S. 1-37109
- Kishino, K. *see* Itaya, Y. 1-37108
- Kishiro, J. *see* Mitsunobu, S. 1-42828
- Kishishita, H. *see* Takeda, M. 1-41028
- Kishishita, H. *see* Uede, H. 1-48173
- Kishizima, I. *see* Suzuki, T. 1-34936, 1-43784
- Kishore, M. On odd perfect, quasiperfect, and odd almost perfect numbers 1-39489
- Kishov, M.-R.G. Process of cathode spot formation in the case of spark breakdown of helium in a strong longitudinal magnetic field 1-36420
- Kisielewicz, M. On the trajectories of generalized functional-differential systems of neutral type 1-35838
- Kisielewicz, M. The enhancement of the anodization of ion implanted silicon and its novel application 1-45914
- Kisielewski, B. *see* Damerell, C. 1-38450
- Kislov, V.Ya. *see* Dikhtyar, V.B. 1-32228

- Kisly, P.S.**, Kuzenkova, M.A., Prikhod'ko, L.I., Kazakov, V.K. Refractory and electric insulating materials based on non-metallic nitrides 1-40754
- Kisner, R.A.**, Flanagan, G.F. A systems approach to defining operator roles [nuclear power stations] 1-34996
- Kiss, A.** *see* Fazekas, K. 1-29896
- Kiss, G.** *see* Varga, P. 1-51863
- Kiss, G.C.** *see* Bellow, D.G. 1-52585
- Kiss, L.** *see* Kovacs, K.P. 1-44078
- Kiss, M.**, Juhasz, A., Berkes, J., Kovacs, A. The major guidelines in the development of the equipment 'Diagnoszt' and its technical characteristics 1-38475
- Kiss, M.**, Minder, R. District-heating in Switzerland—survey and case study 1-38888
- Kiss, Z.** *see* Gau, S. 1-45110
- Kiss, Z.** *see* Weinberger, B.R. 1-33135
- Kissel, R.**, Davidson, J., Arrighi, R., Gaulon, J. High-capacity furnaces with presscoated resistors 1-33778
- Kissel, W.R.** *see* Meyer, E.W., Jr. 1-31624
- Kistler, J.** Electrical cables—avoidance of environmental damage 1-30754
- Kistler, J.** Communication in practice 1-41860
- Kistler, J.** Development trends in sound recording 1-52316
- Kiszka, L.J.** *see* Scarff, P.L. 1-45811
- Kita, H.** *see* Bockris, J.O'M. 1-36543
- Kita, Y.** *see* Hagiwara, Y. 1-27475
- Kitada, K.**, Ando, M., Wakakuwa, H., Takamo, M. Universal spectrum analyzer with wide band and wide dynamic range 1-52418
- Kitada, M.**, Masuya, T., Tanaka, H. Experimental house load operation at Tanagawa no.2 oil-fired power station 1-43930
- Kitae, G.A.** *see* Skorniyakov, L.G. 1-32648
- Kitae, M.Yu.** Queueing systems with Poisson output 1-44798
- Kitae, M.Yu.**, Rykov, V.V. Queueing system with branched flows of secondary calls 1-39505
- Kitagawa, F.**, Takahashi, K. Effects of Zn<sup>2+</sup> ions of the molecular beam epitaxy of ZnTe 1-27132
- Kitagawa, H.** *see* Kuwahara, M. 1-43324
- Kitagawa, K.** *see* Baba, H. 1-48283
- Kitagawa, K.** *see* Takata, K. 1-48337
- Kitagawa, M.** *see* Shimizu, S. 1-41735
- Kitahama, Y.** *see* Matushita, K. 1-48232
- Kitahara, N.** *see* Ito, N. 1-45036
- Kitahashi, T.**, Tatsumi, S., Abele, L., Wahl, F., Marko, H. An extension of median filtering and its deterministic properties 1-29201
- Kitahashi, T.** *see* Tatsumi, S. 1-33695
- Kitajewski, L.** Design of CMOS/SOS circuits for space applications 1-46302
- Kitajima, H.**, Fujita, K. Double-tuned light-absorption characteristics in the attenuated-total-reflection structure containing a metal-clad dielectric-film waveguide with a low-refractive-index buffer layer 1-51217
- Kitajima, H.** *see* Shimono, T. 1-51835
- Kitamura, A.**, Yanagi, H., Nishimura, Y. Small-size digital switching system for central office (NEAX 61S) 1-37820
- Kitamura, M.**, Onoye, H. Automatic characteristics setting in the compact cassette player by a built-in microcomputer 1-34151
- Kitamura, M.** *see* Mito, I. 1-37166
- Kitamura, M.** *see* Upadhyaya, B.R. 1-30949
- Kitamura, N.**, Kakehi, M., Shen, J., Wada, T. Vapor-phase growth of Te-doped GaSb 1-39799
- Kitamura, N.** *see* Wada, T. 1-27833
- Kitamura, T.** *see* Hirata, Y. 1-34370
- Kitani, I.**, Arai, K. Impulse breakdown of polymer dielectrics in the NS range in divergent fields 1-28153
- Kitani, I.** *see* Yoshino, K. 1-51258
- Kitani, K.** *see* Mizuno, M. 1-38823
- Kitani, Y.**, Osawa, T., Watanabe, T., Kusaba, A., Suzuki, T. Automatic generation of call handling programs 1-42105
- Kitano, J.** *see* Kataoka, T. 1-44213
- Kitano, M.** *see* Yazubuchi, T. 1-46746
- Kitao, M.**, Akao, H., Ishikawa, T., Yamada, S. Influence of copper addition on electrical and optical properties of amorphous As<sub>2</sub>Se<sub>3</sub> 1-32661
- Kitaura, K.** *see* Kataoka, T. 1-44548
- Kitawaki, N.**, Itoh, K. Speech quality measurement methods for audio response unit based on articulation 1-41545
- Kitawaki, N.** *see* Itoh, K. 1-51768
- Kitayama, K.**, Kato, Y., Seikai, S., Tateda, M. Broadband (0.6-1.8- $\mu$ m) subnanosecond pulse emission using an ultra-low-loss single-mode fiber 1-51404
- Kitayama, K.**, Seikai, S., Uchida, N., Akiyama, M. Polarisation-maintaining single-mode fibre with azimuthally inhomogeneous index profile 1-36871
- Kitayama, K.** *see* Kato, Y. 1-28452
- Kitayama, K.** *see* Ohashi, M. 1-51148
- Kitayama, M.** *see* Nakamura, M. 1-40748
- Kitayama, S.** *see* Yamamoto, S. 1-41257
- Kitayama, S.** *see* Yato, F. 1-33580
- Kitayama, T.**, Teshima, K., Okamoto, M., Segami, K., Ito, K. The MF-DS series of digital optical transmitters and receivers 1-52110
- Kitayev, V.E.**, Gorbachev, B.V., Zakharov, L.F. A continuous switching DC stabilizer with a controlled rectifier 1-45276
- Kitayev, V.E.**, Zakharov, L.F. Analysis of the stability of continuously-acting pulsed stabilizers with pulse-width modulation 1-39914
- Kitazawa, T.** *see* Hayashi, Y. 1-46995
- Kitazume, Y.** *see* Ichikawa, A. 1-37469
- Kitchen, J.A.**, Cochran, P. A novel service/supervisory channel for digital trunk transmission systems 1-42266
- Kitchin, R.H.** New method for digital computer evaluation of converter harmonics in power systems using state variable analysis 1-49569
- Kitney, R.**, McDonald, A. Frequency analysis for detecting changes in QRS shape 1-48738
- Kittell, D.H.** *see* Buckley, W.D. 1-40317
- Kiuchi, E.** *see* Sekine, M. 1-37959, 1-47708
- Kiuchi, K.** *see* Minegishi, K. 1-40709
- Kivits, P.**, de Bont, R. Laser induced melting and superheating in Te and In films for optical data storage 1-33262
- Kivits, P.**, Jacobs, B., Zalm, P. Research on materials for optical storage 1-33019
- Kivity, Y.** *see* Neishlos, H. 1-39681
- Kiwaki, K.** Surface potentiometer for photoconductive mechanism analysis 1-30159
- Kiyonovskiy, M.P.** *see* Gorshkova, E.Z. 1-51619
- Kiyomatsu, T.** *see* Odawara, G. 1-45773
- Kiyota, K.**, Teshima, A., Tanaka, M. Photoresponse of SeTe-Se double-layer photoreceptor in the long wavelength region 1-33107
- Kiyoto, M.** *see* Endo, H. 1-29665
- Kiyozumi, K.** *see* Uemura, S. 1-42695
- Kizawa, M.** *see* Tokunaga, Y. 1-32407
- Kizel, V.A.** *see* Denisov, Yu.V. 1-37204
- Kizin, V.D.**, Polyakov, V.I., Chechetkin, Yu.V., Levin, L.M. Safety in servicing operations at the BOR-60 nuclear power station 1-38864
- Kjelkerud, E.** *see* Magnhagen, B. 1-40064
- Kjellstrom, G.**, Taxen, L. Stochastic optimization in system design 1-39618
- Klaas, L.** Some remarks on the digital measurement of power in nonlinear AC systems 1-38256
- Klaassen, F.M.** The shrinking transistor in VLSI 1-28062
- Klaassen, F.M.** Trends in MOSFET technology 1-40713
- Klaassen, K.B.** AC bias read-while-write driver 1-32973
- Klaassen, K.B.** Biased magnetic read head 1-40809
- Klaassen, K.B.** Electronic measuring transducers 1-52435
- Klaassen, K.B.**, Van Peppen, J.C.L., Sandbergen, R.E. Thin-film microdisplacement transducer 1-30108
- Klaassens, J.B.** *see* Schwarz, F.C. 1-35420, 1-44404, 1-53540
- Klabes, R.**, Grotzschel, R., Voelskow, M., Panzer, S., Bartsch, H. High-speed electron beam annealing of arsenic and gallium implanted silicon 1-32620
- Klabukov, A.G.**, Gorbachev, G.Ya. Optical readout devices for metal-cutting lathes 1-46597
- Klabunde, J.**, Angert, N., Keller, R., Spadtke, P., Struckmeier, J., Trautmann, H. High current experiments in a Wideroe structure 1-48418
- Kladiya, V.**, Sanders, M. Performance of generator breakers type DR under earthquake conditions 1-49593
- Klaic, M.** Subsynchronous cascades for the large pump drives 1-49718
- Klamka, J.** BARITT diodes—new microwave semiconductor devices 1-27987
- Klan, G.** Telebrief service 1-37714
- Klapas, D.**, Benson, F.A., Hackam, R. Magnetically controlled arcs for power collection 1-44433
- Klapisch, R.** *see* Touchard, F. 1-52732
- Klapwijk, T.M.** *see* de Waal, V.J. 1-28344
- Klar, H.**, Betzl, H., Feil, M., Mauthe, M., Pfeiderer, H.-J., Ulbrich, W. A CCD wave filter with low sensitivity for FDM telecommunication systems 1-27484
- Klar, H.**, Mauthe, M., Pfeiderer, H.-J., Ulbrich, W. Resonators for recursive CCD-filters 1-27494
- Klar, H.**, Mauthe, M., Pfeiderer, H.-J., Ulbrich, W. Passive CCD resonators [for high Q bandpass filters] 1-40090
- Klar, H.** *see* Betzl, H. 1-50549
- Klara, W.S.** *see* Coullahan, J.P. 1-36419
- Klarmann, J.** *see* Binns, W.R. 1-48604
- Klasen, P.**, Kleinknecht, K., Pollmann, D. Application of wavelength-shifter techniques to position measuring counters 1-48578
- Klasmeier, P.** The measurement of temperatures with resistance thermometers and thermocouples 1-48068
- Klataske, L.F.** *see* Forster, J.A. 1-44045, 1-44052
- Klatskin, J.B.** *see* Camisa, R.L. 1-45662
- Klaus, G.F.**, Misso, N.F. Magnetic ferrite core separating mechanism 1-36827
- Klaver, L.J.** Tracking of low-altitude targets by a combined X-Ka-band radar system 1-29808
- Klawe, M.** *see* Erdos, P. 1-27014
- Kleber, W.**, Bauch, H., Auerbach, D. Important extension of application range of electro-static plastics-coating by electro-kinetic coating devices of VEB Infrarot-Anlagen Oranienburg 1-44545
- Klebesadel, R.W.** *see* Evans, W.D. 1-30490
- Kleczkowski, S.P.** *see* Argumedo, A.J. 1-32974
- Klefsjo, B.** HNBUE survival under some shock models 1-31908
- Klega, V.** The mean period of random fluctuations at a linear system output 1-31948
- Klebanov, S.B.**, Oganessian, M.A. Polynomial type filters for control of vibration spectrum 1-45536
- Kleihorst, E.** Modelling and parameter determination for circuit analysis in an industrial environment 1-39857
- Kleijnen, J.**, Brent, R., Brouwers, R. Small-sample behavior of weighted least squares in experimental design applications 1-44861
- Kleiman, Yu.G.** Some problems in group manifold theory 1-35803
- Klein, A.** *see* Penchina, C.M. 1-28553
- Klein, A.** *see* Weiser, K. 1-46609
- Klein, A.G.**, Kearney, P.D., Opat, G.I., Gahler, R. Focusing of slow neutrons with cylindrical zone plates 1-34412
- Klein, C.F.**, Gruver, W.A. Optimal control of Markovian queueing systems 1-50107
- Klein, E.** *see* Hentschel, H.-J. 1-35489
- Klein, E.** *see* Kerscher, M. 1-53759
- Klein, G.** *see* Moskowitz, H. 1-39417
- Klein, H.**, Deitinghoff, H., Halfmann, K., Junior, P., Schempp, A., Schonlein, A. Sparking tests and design considerations for RFQ—structures 1-43088
- Klein, H.** *see* Junior, P. 1-38336
- Klein, H.** *see* Muller, R.W. 1-48336
- Klein, H.** *see* Siebert, B.R.L. 1-52748
- Klein, H.-J.**, Kaumanns, R., Beneking, H. High-speed Ga<sub>0.47</sub>In<sub>0.53</sub>As photoconductive detector for picosecond light pulses 1-38194
- Klein, H.-J.** *see* Wei, C.J. 1-51272
- Klein, H.R.**, Smith, K.C. Management support tools for small products 1-49985
- Klein, J.**, Dickinson, B. A time-recursive lattice algorithm for autoregressive estimation 1-41757
- Klein, J.W.** *see* Robinson, H.J. 1-43676
- Klein, K.W.** Automated distribution design approaches 1-30730
- Klein, L.** *see* Berndt, G. 1-44418
- Klein, M.G.** *see* McDonald, E.W. 1-30528
- Klein, P.B.** *see* Bishop, S.G. 1-28567
- Klein, R.** *see* Drori, J. 1-28127
- Klein, R.W.**, Hollister, W.M. Display concepts for Control Configured Vehicles 1-30512
- Klein, S.A.** *see* Siegel, M.D. 1-49360
- Klein, U.**, Proch, D., Grundey, T. Superconducting structures for a 130 MeV recyclertron 1-43100
- Klein, U.** *see* Degitz, H. 1-38361
- Klein, W.**, Klink, E., Najmann, K., Rudolph, V. T-shaped chip pad arrangement 1-27712
- Klein, W.**, Klink, E., Najmann, K., Wernicke, F.C. High-speed decoder circuit with low power requirements for clock-controlled semiconductor storages 1-27422
- Klein, W.** *see* Heimeier, H.H. 1-36668
- Klein Wassink, R.J.** Improving the rotary dip solderability test 1-39403
- Kleinau, K.-H.** The transition between analogue and digital telephone networks 1-29352
- Kleinau, K.-H.** The introduction of digital telephone networks 1-33743
- Kleinbloesem, B.A.** *see* Halberg, N. 1-43999
- Kleine, U.**, Herbst, D., Hoefflinger, B., Hosticka, B.J., Schaefer, R. Real-time programmable unit-element SC filter for LPC synthesis 1-50393
- Kleine, U.** *see* Herbst, D. 1-40099
- Kleine, U.** *see* Schaefer, R. 1-42526
- Kleiner, E.** Stored programme techniques using bus transmission in power station control installations 1-30843
- Kleinfelder, W.J.** *see* Logue, J.C. 1-40633
- Kleinknecht, K.** Particle detection methods 1-34421
- Kleinknecht, K.** *see* Klasen, P. 1-48578
- Kleinpenning, T.G.M.**, Vandamme, L.-K.J. Model for 1/f noise in metal-oxide-semiconductor transistors 1-40594
- Kleinpenning, T.G.M.** *see* Hooge, F.N. 1-46089
- Kleinrath, H.F.** Torque pulsation of an induction motor with speed control by a static frequency converter in the slip ring circuit 1-53468
- Kleinschmidt, P.**, Magori, V. Ultrasonic remote sensors for noncontact object detection 1-30577
- Kleitman, D.J.**, Winston, K.J. The asymptotic number of lattices 1-27021
- Kleitman, D.J.**, Winston, K.J. Forests and score vectors 1-39571
- Klemar, B.**, Pedersen, E., Topping, J. A new electronic device for quantitation of EMG activity 1-48706
- Klementov, A.D.** *see* Gavrilova, Yu.E. 1-37086

- Klempner, K.S., Cherednichenko, I.M. Logarithmic amplitude-time converter of radiation intensity 1-27578
- Klepikov, R.P. *see* Alekseev, G.A. 1-44540
- Klepikov, V.B., Sizov, A.B., Kutovoi, Yu.N., Malakhov, A.I., Gapchinskii, E.S., Natarov, V.P. Investigation of start-up and braking regimes of a mine-haulage electric locomotive type AM-8D, using a computer 1-31550
- Klepner, S.P. *see* Greiner, J.H. 1-46474
- Klepper, O. Determination of release times and separation efficiencies at the GSI on-line separator 1-48550
- Klepper, O. *see* Kirchner, R. 1-52654
- Kleptsyn, V.F. *see* Fistul', V.I. 1-27131
- Kleshchev, V.V. *see* Zhukovskii, V.E. 1-31714
- Klevanskaya, M.V. *see* Kontorovich, B.I. 1-36298
- Klevesahl, B., Stromsta, R. The double-sided floppy is reborn 1-46420
- Kley, W. Design criteria for moderators and beam tubes for spallation neutron sources 1-42883
- Kley, W.A. *see* Tucker, C.J. 1-43461
- Klibanov, A.B., Pevtsov, N.V. The quality of servicing automatic intercity telephone communications 1-37812
- Klibanov, L.I., Tsun, S.P., Yudkovich, I.Sh. Measuring-arm circuit of a high-resistance DC bridge 1-38240
- Klicker, K.A. *see* Gururaja, T.R. 1-36735
- Klicker, K.A. *see* Savakus, H.P. 1-46359
- Kliem, V. Studies of RC elementary high pass filters with imaginary transmission zeros and comparatively poor pole quality. II 1-27503
- Kliger, G.A. *see* Belousov, S.P. 1-47070
- Klijin, A.J. Operational experience with highly economic gas turbines 1-31044
- Klim, B.P., Fedoriv, R.F. Sensitivity improvement of weak-light signal intensity meters 1-38303
- Klimashin, V.P. Optical microphone 1-36986
- Klimek, S. *see* Zapasnik, R. 1-53370
- Klimenko, E.Yu. *see* Imenitov, A.B. 1-28278
- Klimenko, V.A. A resonant diaphragm of finite thickness, partially filled by a dielectric and placed in a rectangular waveguide 1-37347
- Klimenko, V.A. *see* Kondilenko, I.I. 1-40911
- Klimenko, V.V., Shulga, V.I., Garger, K.S. The photoconductivity of zinc selenide single crystals implanted with nitrogen ions 1-28559
- Kliment, T. *see* Koller, L. 1-50645
- Klimkiewicz, M. *see* Kaminska, E. 1-46083
- Klimov, B.N. *see* Ivanchenko, V.A. 1-34266
- Klimov, I.I. *see* Vorob'ev, A.V. 1-51526
- Klimovich, E.N. *see* Afanasenko, M.P. 1-37261
- Klimovich, S.U., Steklova, I.P. Counters and dividers based on cyclic registers with a single cross connection 1-27426
- Klimpeck, C.M.H., Landsberg, P.T. An improved analysis of the Schottky barrier solar cell 1-39130
- Klindukhov, V.G. *see* Svetlichnyi, A.M. 1-36511
- Kline, C.S. *see* Burnham, G. 1-52906
- Kline, E.L. *see* Kang, G.S. 1-41580
- Kline, G., Kam, K., Canfield, D., Parkinson, B.A. Efficient and stable photoelectrochemical cells constructed with  $WSe_2$  and  $MoSe_2$  photoanodes 1-35335
- Kline, R.A., Green, R.E., Jr., Palmer, C.H. Acoustic emission waveforms from cracking steel: experiment and theory 1-27189
- Klingberg, R. *see* Herbelin, J.M. 1-28637
- Klinger, H. The electrical equipment of a 8 mm longitudinal spacing device 1-31702
- Klinger, R.E., Greene, J.E. Reactive ion etching of GaAs in  $CCl_2F_2$  1-32761
- Klink, D. Transmission technique of digital signals. IV. Multiplex equipment of the PCM technique. IV 1-29276
- Klink, D. Digital data transmission techniques. IX. Multiplex apparatus for PCM technique. III 1-29519
- Klink, E. *see* Klein, W. 1-27422, 1-27712
- Klinken, J.Van *see* Van Klinken, J.
- Klinker, F. Improved 243 MHz homing antenna system for use on helicopters 1-52913
- Klinkova, L.A., Fursova, T.V., Savchenko, I.B. Growth of CdS crystals from the vapor phase on an oriented seed 1-27092
- Klinksiek, R.V. *see* Hop kins, F.F. 1-35985
- Klippenberg, E. Updating command and control systems in NATO 1-29294
- Klistorin, I.F. *see* Gremalsky, A.A. 1-39860
- Klitzing, K.V., Englert, T., Bangert, E., Fritzsche, D. Transport properties of a two-dimensional electron gas at the surface of InP-field effect transistors 1-28030
- Klochko, V.K. *see* Korshunov, Yu.M. 1-52318
- Klocker, P. *see* Gibson, J.P. 1-53725
- Klockhaus, H., Kalscheuer, W. Conductor coupling clips for NH fuse subdivisions and NH fuse strips 1-31349
- Kloepfel, F.W., Adler, G. The reliability of the power supply when planning voltage transformer stations near the consumer 1-39432
- Kloepfel, F.W., Bohme, A. The requirements of industrial electric power consumers regarding the functions and structure of an electric power supply 1-43496
- Kloepfel, F.W. *see* Gerisch, G. 1-34973
- Kloholm, E. *see* Aboaf, J.A. 1-40782
- Kloos, K.H., Broszeit, E., Gabriel, H.M. Ion plating and ionisation enhancement 1-32083
- Klooster, A., Jr. *see* Shuchman, R.A. 1-38593
- Klopf, P., Van Rhee, L.A., Stuber, W. An autonomous CAMAC crate controlled by a personal computer 1-52727
- Klopper, H., Rosenberg, W. Management experience and requirements in the design and manufacture of rationalisation equipment 1-26831
- Klose, D.R., Skudera, W. A SAW interferometer direction-finding and frequency identification method 1-47230
- Klose, H. *see* Kuhn, U. 1-33357
- Klose, M. Remotely controlled radiomonitoring with radio receiving and measuring system EA 100 1-30050
- Klose, S., Winde, B. Preparation of boron nitride layers with the aid of ion treatment 1-35974
- Kloss, A. From the field of power electronics. Constant power-supply installations 1-27248
- Klotyn'sh, E.E. *see* Valdats, G.A. 1-27850
- Klotz, R. *see* Dunham, C.L. 1-29461
- Klove, T. A lower bound for  $A(n,4,w)$  1-37418
- Klovskiy, D.D., Kontorovich, V.Ya. Analysis and synthesis of models of random fields given by stochastic differential equation 1-50177
- Klovskiy, D.D., Shatskikh, S.Ya., Shirokov, S.M. Optimum functional basis for determination of signal envelope 1-47214
- Kluc, U. Calculation of the cooperation of two asynchronous motors using a programmable calculator 1-31501
- Kluc, V. Calculation of a simplified drive shaft using a programmable calculator 1-44398
- Kluge, H. *see* Busse, W. 1-43137
- Kluge, K. *see* Hammer, K. 1-34953
- Kluge, W. *see* Degitz, H. 1-38361
- Klumpar, J. *see* Novotny, J. 1-43208
- Klumpe, H. *see* Baker, C.C. 1-35016
- Klundert, L.J.M. *see* Van de Klundert, L.J.M.
- Klvana, D. *see* Bosio, R.G. 1-49845
- Klyatskin, V.I. *see* Babkin, G.I. 1-51584
- Klykov, V.I., Sheftal, N.N. Diataxial growth of silicon and germanium 1-39776
- Klym, T.W. *see* Ismael, N.F. 1-43757
- Klyshchayeva, O., Kakabaev, A., Byashimov, B. Experimental and theoretical study of thermal regime of buildings with evaporate air cooling 1-49809
- Klyucharev, V.A. Measurement of perturbed angular correlation with single-crystal gamma spectrometer 1-52740
- Klyuchevskii, A.V. Calculation of an n-channel seismograph 1-38577
- Klyuev, S.A. Designing of lighting installations in the 11th five-year plan (1981-85) 1-35504
- Kmieciak, S. *see* Girardi, S. 1-29432
- Knab, J.J. Noncentral interpolation of band-limited signals 1-47175
- Knadler, Jr., C.E., Mars, Jr., J.C. Choosing a microprocessor and architecture for a large system 1-47439
- Knaell, K. Low-pass/bandpass transform beats computers 1-40080
- Knapp, E.A. New applications of particle accelerators in medicine, materials science, and industry 1-48290
- Knapp, E.A. *see* Hamm, R.W. 1-42880
- Knapp, E.A. *see* Penner, S. 1-38340, 1-42871
- Knapp, E.A. *see* Stokes, R.H. 1-48469
- Knapp, G.S., Georgopoulos, P. General considerations for a laboratory EXAFS facility 1-34518
- Knapp, G.S. *see* Georgopoulos, P. 1-30386
- Knapp, J., Werner, K.-D., Preuschmann, R., Hartmann, D. Simple BCD interface for table-top computer 1-38086
- Knapp, J.A., Picraux, S.T. Microsecond time-scale Si regrowth using a line-source electron beam 1-45076
- Knapp, K.H. The Braun RS1/PC1 Audio system. II 1-52311
- Knapp, L. *see* Kricke, K.D. 1-52925
- Knapp, R.F. *see* Popeck, R.A. 1-38780, 1-43638
- Knauer, R., Pelka, H. Interface for the connection of sensors to microcomputers [8048 single-chip microcomputer] 1-30032
- Knauer, R., Pelka, H. Interfacing of sensors to microcomputers 1-30063
- Knauf, K. *see* Hollnagel, R. 1-52693
- Knauss, W.G., Emri, I.J. Non-linear viscoelasticity based on free volume consideration 1-39639
- Knauth, P. *see* Otto, H. 1-34559
- Knaver, K., Pfeleiderer, H.-J. Tolerance analysis of integrated filter circuits 1-40102
- Knecht, B. Solid-state arresters 1-30822
- Knecht, J. *see* Ploog, K. 1-40438
- Kneeland, D.R. Current accelerators for research and industry 1-38332
- Kneen, J. Solving microprocessor problems with logic analysers 1-48011
- Kneipp, H. Calculation of the pump function for a copper vapor laser 1-33188
- Kneisel, P. *see* Furuya, T. 1-43101
- Kneisel, P. *see* Kirchgessner, J. 1-48534
- Kneisel, P. *see* Padamsee, H. 1-28413
- Kneissl, U. *see* Rics, H. 1-48603
- Kneller, D.G. *see* Kapron, F.P. 1-29767, 1-40936
- Knepp, D.L. *see* Bogusch, R.L. 1-41239
- Knepper, L.E. *see* Boudon, G.M. 1-36187, 1-40048, 1-41961
- Knepper, L.E. *see* Gaudenzi, G.J. 1-36189
- Knesewitsch, J. *see* Ganzer, E. 1-39919
- Kneule, W. *see* Admirand, D.J. 1-40643
- Kniel, R. The reliability of load-management systems with particular reference to ripple control systems 1-38682
- Kniel, R. Information transmission over the distribution network 1-43672
- Knierim, W. *see* Kunzel, W. 1-28687
- Kniestedt, J. Television transmissions by short wave radio 50 years ago—the contribution made by the German postal service to the introduction of television 1-34028
- Kniestedt, J. The first high-power German Post Office medium-wave transmitter 1-42384
- Knight, D.J.E. Ordered list of optically-pumped laser lines (continuous,  $\lambda > 9 \mu\text{m}$ ) 1-28662
- Knight, D.J.E. Ordered list of far infrared laser lines (continuous,  $\lambda > 12 \mu\text{m}$ ) 1-33194
- Knight, J., Itzkowitz, M. THC—a simple high-performance local network 1-37767
- Knight, J.F., Perona, J.J. Simulation of mass transfer processes in geothermal power cycles with direct contact heat exchange 1-31072
- Knight, R.B.D., Stockton, J.R. Two prototype double dual-slope digital wattmeters 1-48155
- Knight, R.J. *see* Llewellyn-Jones, D.T. 1-46912
- Knight, T. *see* Lee, M.J. 1-42908
- Knight, W.R. Maintaining power to sophisticated loads 1-43625
- Knights, J. *see* Mort, J. 1-32660
- Knights, J.C., Lujan, R.A., Rosenblum, M.P., Street, R.A., Biegleson, D.K., Reimer, J.A. Effects of inert gas dilution of silane on plasma-deposited a-Si:H films 1-32075
- Knights, J.C. *see* Mort, J. 1-32658, 1-45944
- Knights, M.G., Wing, W.F., Baer, J.W., Chicklis, E.P., Jensen, H.P. Compact efficient frequency converter for doubled Nd:YAG lasers 1-46719
- Knights, M.G. *see* Baer, J.E. 1-46720
- Knippenberg, H. CAD for time delay circuits 1-40144
- Knirsch, H. Automatic receiver ESP, a computer-controlled, fast scanning receiver 1-29985
- Knishevskaya, L.V., Kotov, M.N., Yarmalis, M.M. Distribution of the microwave-frequency electric field inside and outside a semiconductor rod, placed in a rectangular waveguide 1-28970
- Knisley, J.R. Design and construction of Atlanta airport's new terminal 1-34851
- Knisley, J.R. Designing and installing a computer-assisted fire dispatching system 1-49958
- Knizhnik, R.G., Piskunov, O.G., Shryl, V.F. Calculation of crosstalk attenuation between the intraphase channel and the phase-earth channel of 330 kV overhead lines 1-47518
- Knob, A. High-order switched capacitor filter synthesis 1-39881
- Knob, A. *see* Gobet, C.-A. 1-45242
- Knobbe, K.H., Bohne, D. A megawatt RF source at 108 MHz (heavy ion linac) 1-48371
- Knobloch, H.E. *see* von Knobloch, H.E.
- Knöchel, R. Unified large-signal stability and noise theory for synchronised oscillators 1-39968
- Knöchel, R. *see* Reich, J. 1-27609
- Knodt, C.P. *see* Fritzer, B.M. 1-40638
- Knoll, D. *see* Schlote, V.J. 1-36546
- Knoll, D. *see* Schlote, V.J. 1-46035
- Knoll, M., Fahrner, W.R. Origin of high-frequency dispersion of  $G_p/\omega$  of metal-oxide semiconductor capacitors 1-46008
- Knoll, T. At the touch of a button [telephone number storing device] 1-33848
- Knolle, W.R. *see* Maxwell, H.R., Jr. 1-32766
- Knop, G. *see* Althoff, K.H. 1-42878
- Knorn, M. *see* Eckert, D. 1-51115
- Knorr, S.G. The potential of bipolar devices in LSI gigabit logic 1-36669
- Knott, E.F. A tool for predicting the radar cross section of an arbitrary trihedral corner 1-42301
- Knott, J.E. *see* Reif, R. 1-50753
- Knott, M. *see* Potts, C. 1-48376
- Knott, M.J. *see* Rauchas, A.V. 1-42959
- Knott, P. *see* Arzubi, L. 1-39901, 1-40000
- Knott, S. *see* Ocken, H. 1-53200
- Knouse, G.H., Castruccio, P.A. The concept of an integrated terrestrial/land mobile satellite system 1-47553
- Knowles, H.B., Hartley, R.F. Air core betatrons reexamined 1-42796
- Knowles, R.R. Current and future office systems in SUKO (Shell UK Oil) 1-41986
- Knox, A.B. *see* Barratt, P.J.S.B. 1-43124
- Knox, R.A. The Candu system 1-30926
- Knox, W., Mourou, G. A simple jitter-free picosecond streak camera 1-38134
- Knox, W. *see* Mourou, G. 1-28587
- Knudsen, E. PPC-scanner 1-42567
- Knudson, J.T. *see* Valentin, J.R. 1-33285

- Knuth, D.E.** Verification of link-level protocols 1-37735
- Knuth, W., Schulz, W.** The electrical equipment of the long-distance dining car with central power supply 1-4426
- Knutsen, G.** *see* Trimmier, R. 1-52402
- Knutsen, K.M.** The kilovolt telephone 1-41894
- Knutti, J.W., Allen, H.V., Meindl, J.D.** Integrated circuit implantable systems 1-34595
- Knutti, J.W.** *see* Allen, H.V. 1-28097
- Knyazev, L.V.** *see* Konovalov, G.K. 1-51628
- Knyshv, I.P.** A signal with weighted processing of linear frequency modulation and small base 1-29188
- Ko, C.C.** Jamming rejection capability of broadband Frost power inversion array 1-37970
- Ko, M.A.** Memory access control circuit 1-50505
- Ko, M.A.** *see* Bobo, K.N. 1-30004
- Ko, S.** *see* Teng, T.C. 1-51015
- Ko, W.H.** *see* Peckham, P.H. 1-43378
- Ko, W.L.** *see* Mitttra, R. 1-41344
- Ko Chung Duck** *see* Chung Duck Ko
- Koar, H.** *see* Effenberger, H. 1-30993
- Kobayashi, H., Etoh, Y., Ohara, H.** A multi-term two's complement multiplication/addition scheme 1-41784
- Kobayashi, H., Yaguchi, K.** A statistical method of component identification of average evoked potentials 1-48709
- Kobayashi, H.** *see* Kurahashi, K. 1-48176
- Kobayashi, I.** Bandwidth measurement in multi-mode optical fibers 1-28497
- Kobayashi, I.** *see* Haraga, K. 1-50002
- Kobayashi, I.** *see* Okada, K. 1-29768
- Kobayashi, K., Ishida, G.** Magnetic and structural properties of Rh substituted Co-Cr alloy films with perpendicular magnetic anisotropy 1-46386
- Kobayashi, K., Nemoto, Y., Sato, R.** Equivalent circuits of binomial form nonuniform coupled transmission lines 1-46971
- Kobayashi, K., Sasaki, S., Nemoto, Y., Sato, R.** A design method for low-pass filter using mixed lumped and distributed circuits 1-32324
- Kobayashi, K., Suzuki, K., Tanimura, K., Shinagawa, M., Enomoto, T., Ohshima, T., Ehara, Y., Suzuki, Z., Kondo, M., Kobayashi, S.** Kuantan-Kuching submarine cable system—construction 1-37852
- Kobayashi, K., Utaka, K., Abe, Y., Suematsu, Y.** CW operation of 1.5~1.6  $\mu$ m wavelength GaInAsP/InP buried-heterostructure integrated twin-guide laser with distributed Bragg reflector 1-41084
- Kobayashi, K., Yasuda, T.** An application of PVDF-film to medical transducers 1-52753
- Kobayashi, K.** *see* Akiya, H. 1-27952
- Kobayashi, K.** *see* Han, T.S. 1-33422
- Kobayashi, K.** *see* Hayashi, S.A. 1-52651
- Kobayashi, K.** *see* Kawakami, H. 1-32041
- Kobayashi, K.** *see* Kudoh, O. 1-28025
- Kobayashi, K.** *see* Mito, I. 1-37166
- Kobayashi, K.** *see* Sugimoto, S. 1-37944
- Kobayashi, K.** *see* Togami, Y. 1-50307
- Kobayashi, K.** *see* Utaka, K. 1-37111, 1-37171, 1-41085
- Kobayashi, M.** Theoretical abstraction and proposal on the application of vector calculations for thyristor circuits 1-45279
- Kobayashi, M.** Design method of monolithic crystal filters having phase inverting auxiliary electrode 1-46361
- Kobayashi, M., Saraie, J., Matsunami, H.** Hydrogenated amorphous silicon films prepared by an ion-beam-sputtering technique 1-35963
- Kobayashi, M., Yoshimura, Y., Chiba, M., Iwahori, J., Yoshida, H.** Performance of a scintillator glass shower detector for 20-120 MeV electrons 1-43212
- Kobayashi, M.** *see* Ishii, Y. 1-36626
- Kobayashi, M.** *see* Saraie, J. 1-50328
- Kobayashi, M.** *see* Shibukawa, A. 1-51149
- Kobayashi, M.** *see* Shimada, T. 1-41175
- Kobayashi, M.** *see* Shinoda, S. 1-49113
- Kobayashi, M.** *see* Tanaka, J. 1-48571
- Kobayashi, N., Kawasaki, S., Miyahara, A.** RFQ for heavy ion fusion 1-48423
- Kobayashi, N., Miyahara, A., Kawasaki, S.** Higher frequency operation of linear accelerator 1-48424
- Kobayashi, N.** *see* Aoyama, K. 1-47769
- Kobayashi, N.** *see* Imamura, H. 1-52662
- Kobayashi, N.** *see* Morikoshi, Y. 1-33241
- Kobayashi, S., Komori, F., Sasaki, W.** Use of tunnel diode for RF-SQUID detection system 1-48052
- Kobayashi, S., Mimura, T.** Injection locking in AlGaAs semiconductor laser 1-41090
- Kobayashi, S., Yamamoto, Y., Kimura, K.** Modulation frequency characteristics of directly optical frequency modulated AlGaAs semiconductor laser 1-33233
- Kobayashi, S.** *see* Horiuchi, T. 1-30709
- Kobayashi, S.** *see* Ichikawa, A. 1-50128
- Kobayashi, S.** *see* Kobayashi, K. 1-37852
- Kobayashi, S.** *see* Shimomura, T. 1-28530
- Kobayashi, T.** VLSI and artificial intelligence—problems in the 1980s the computer industry will face 1-40648
- Kobayashi, T., Arai, E.** Characterization of negative electron beam resists based upon generalized gel formation theory 1-50856
- Kobayashi, T., Hitotsuya, S.** Observers and parameter determination for distributed parameter systems 1-27079
- Kobayashi, T., Imai, S.** Spectral smoothing technique for speech analysis on a generalized logarithmic scale 1-51805
- Kobayashi, T.** *see* Fujii, N. 1-31011
- Kobayashi, T.** *see* Hasui, K. 1-42118
- Kobayashi, T.** *see* Kayanuma, A. 1-29940
- Kobayashi, T.** *see* Kenjo, T. 1-49466
- Kobayashi, T.** *see* Morimoto, A. 1-46787
- Kobayashi, T.** *see* Naruse, Y. 1-34572
- Kobayashi, T.** *see* Nate, K. 1-45800
- Kobayashi, Y., Fukuoka, N., Yoshida, S.** Resonant modes for a shielded dielectric rod resonator 1-45611
- Kobayashi, Y., Kojima, K., Yoshida, S.** Shielded TM<sub>010</sub> dielectric rod resonator 1-32398
- Kobayashi, Y., Suzuki, T., Tamura, M.** Improvement of crystalline quality of SOS with laser irradiation techniques 1-32616
- Kobayashi, Y.** *see* Morimoto, M. 1-36783
- Kobayashi, Y.** *see* Nakano, K. 1-27159
- Kobayashi, Y.** *see* Ogawa, K. 1-32084
- Kobayashi, Y.** *see* Sakai, T. 1-28099, 1-46287
- Kobayashi, Y.** *see* Sugiyama, Y. 1-40079
- Kobayashi, Y.** *see* Yamauchi, T. 1-37238
- Kobayasi, T.** *see* Hamza, M. 1-34719
- Kobayasi, T.** *see* Owen, J.F. 1-41071
- Kobe, M., Sporn, A., Tekavec, T.** Reliability—small sample method 1-35663
- Kobe, M.U.** *see* Tsoi, A.C. 1-43621
- Kobelt, C.** From the crystal set to the Hi-Fi stereo system 1-34072
- Kobelt, C., Steffen, C.** From regional to national broadcasting and the division of responsibilities between the SBC (Swiss Broadcasting Corporation) and the PTT 1-34039
- Kobenda, A.** *see* Lesczynski, A. 1-30074
- Kober, H.** *see* Hahne, G. 1-30740
- Kober, W., Grosch, C.B.** Some properties of a general camera model 1-48816
- Kobiela, E.J.** *see* Bettis, J.R. 1-51496
- Kobierska, E., Gautier, J.** MOS transistor as concentration detector 1-42765
- Kobiki, M.** *see* Mitsui, Y. 1-28021
- Kobiki, M.** *see* Suzuki, T. 1-46178
- Kobitzsch, W.** Methods of testing microprocessors 1-32259
- Koblents, M.G.** Some features of the design of power relay relays 1-32479
- Kobler, H.** Thoughts on the report by the Swiss Federal Energy Commission outlining the need for nuclear power stations 1-43832
- Kobler, H.-J.** *see* Bausch, H. 1-53409
- Koblitz, R.K.** *see* Antreich, K.J. 1-45190
- Koblizek, V.** A contribution to mathematical modelling of the compression dependence of permittivity in elastic foamed plastics 1-46340
- Kobori, Y., Fukushima, I., Nishijima, H., Horie, N., Kaneko, K.** One chip servo system LSI for home VCR 1-34099
- Koburger, C.W.** *see* Dun, H. 1-40514
- Kobus, A., Przewlocki, H.** High-capacity microelectronics memories 1-27388
- Kobyakova, M.Sh.** *see* Eliseev, P.G. 1-37148
- Kobylar, A.W.** *see* Fleischfresser, G.H. 1-47449
- Koby'chak, V.V., Nagaev, A.I., Parygin, V.N., Shchekoturov, L.V.** Resolution of a spatial-temporal light modulator with equilibrium data recording 1-51228
- Koch, F.** *see* Hou-Chi Cheng 1-32643
- Koch, F.B.** *see* Stocker, H.J. 1-38248
- Koch, G.R.** *see* Lam, D.K. 1-44685
- Koch, H.** Ergonomic limiting values for the arrangement of displays 1-52384
- Koch, P.** Definitions and apparatus for precision electrical measurement standards 1-38264
- Koch, R.F., Evans, D.C.** ATRAN terrain sensing guidance—the grand-daddy system 1-48799
- Koch, R.H., Van Harlingen, D.J., Clarke, J.** Quantum noise theory for the DC SQUID 1-28313
- Koch, R.H.** *see* Clark, T.D. 1-40867
- Koch, R.O.** *see* Durr, H.E. 1-32430
- Koch, T.L., Wilt, D.P., Yaviv, A.** Q-switching of semiconductor lasers with picosecond light pulses 1-28737
- Koch, T.L.** *see* Moyer, R. 1-28563
- Koch, T.L.** *see* Moyer, R.H. 1-51248
- Koch, V.R.** *see* Brummer, S.B. 1-44334
- Koch, W.P.** *see* Schowengerdt, R.N. 1-52837
- Kochanski, J.** *see* Adaszewski, W. 1-47306
- Kocharyan, A.A.** *see* Veinger, A.I. 1-32687
- Kocharyan, V.R.** *see* Elyukhin, V.A. 1-28732
- Kochel, P.** Periodically stationary Markovian decision models 1-50117
- Kochemasov, V.N., Kryazhev, V.P., Okoneshnikov, V.S.** LFM signals with intrapulse phase-shift keying 1-41723
- Kochetov, V.I.** *see* Bobikov, V.E. 1-34874
- Kochi, D.** *see* Deiters, K. 1-30336
- Kochin, A.E., Vygodskii, E.M., Kuz'mina, M.G.** Application of collimators for testing reference beta-radiation sources 1-52665
- Kochis, R., Flachs, G.** D flip-flop subtracts frequencies 1-45367
- Kochis, R.L.** *see* Beyers, J.W. 1-32310
- Kochkina, V.D.** *see* Gross, L.G. 1-34317
- Kochman, G.A., McCallum, C.J., Jr.** Facility location models for planning a transatlantic communications network 1-29274
- Kocian, D.F.** *see* Task, H.L. 1-30022
- Kock, A.J.R.** *see* de Kock, A.J.R.
- Kocka, J.** Photovoltaic cells based on amorphous semiconductors 1-51269
- Kocker, J.A.** *see* Valentino, G.J. 1-52858
- Kockhan, B.** Current-carrier transport in semiconductor heterojunctions. I. Transport mechanisms 1-45983
- Kocsis, G.L.** The pipe-cage induction motor—short-circuited motor with a characteristic of a slip-ring motor 1-49467
- Kocur, M.** Technical diagnostics of heavy-current electrical equipment in metallurgical service 1-44724
- Kocvara, A.** *see* Pospisil, P. 1-26872
- Koda, F., Nara, Y.** A new large capacity coal-fired boiler 1-43889
- Kodaira, K., Ohara, K.** Traffic variation and grade of service specification in telephone network 1-47325
- Kodaira, K., Ohara, K.** Traffic variation and grade-of-service specification in a telephone network 1-51913
- Kodaira, K.** *see* Ueda, T. 1-47476, 1-52026
- Kodama, H.** A scheme for three-dimensional display by automatic fabrication of three-dimensional model 1-42709
- Kodama, M.** *see* Tsubaki, I. 1-42199
- Kodama, S.** *see* Ishii, M. 1-45430
- Kodama, T., Sato, K., Uemura, Y.** SAW vestigial sideband filter for TV broadcasting transmitter 1-36745
- Kodama, Y.** *see* Hasegawa, A. 1-51191
- Kodandaramaswamy, P.S.** *see* Ramamurthi, V. 1-35088
- Kodek, D.M.** Conditions for the existence of fast number theoretic transforms 1-32045
- Kodera, Y.** *see* Ohgushi, Y. 1-43290
- Kodres, C.A., Phillips, P.J.** Computer simulation of cable processing 1-34878
- Kodres, U.R.** *see* Schell, R.R. 1-41714
- Koehler, G.J.** Bounds and elimination in generalized Markov decisions 1-35725
- Koehler, P.** *see* Burkhardt, H. 1-43210
- Koehler, T., Martineau, R., Wong, T., Rotolante, R.** Mercury cadmium telluride hybrid mosaic focal planes 1-47985
- Koel, G.J.** *see* Verhulst, A.G.H. 1-46443
- Koelle, D.E., Butler, G.V. (editor)** Shuttle/Space-lab. The New Transportation System and its Utilization. Vol.43. Advances in the Astronautical Sciences. Proceedings of the Third DGLR/AAS Symposium 1-43398
- Koellner, R.** Using 'BASIC' to calculate circuit components 1-36045
- Koenders, N.J.** *see* van Oostvoorn, F. 1-26851
- Koenig, E.F.** Electric utility rate structures and distributed thermal energy storage: a cost-benefit analysis 1-53004
- Koenig, H.G.** *see* Allen, L.B., Jr. 1-28724
- Koenig, H.G., Jr.** *see* Allen, L.B., Jr. 1-28723
- Koenig, I.** *see* Egelhof, P. 1-43163
- Koenig, L.W.** *see* Law, A.M. 1-35780
- Koepke, Cz.** *see* Zietek, B. 1-41062
- Koepl, G.** Measures taken to reduce overvoltages when energizing no-load lines 1-30801
- Koerber, G.G.** *see* Makram, E.B. 1-53113
- Koerner, T.** *see* Kirkham, H. 1-43559
- Koester, W., Mohr, F.** Bidirectional optical link 1-52104
- Koetter, G.** The electronic telephone 1-37792
- Koettnitz, H.** The effect of the resistance of the earth wire circuit of the earth connection of over-voltage dischargers on limiting lightning voltages 1-53146
- Kofler, E., Zweifel, P.** Decisions under fuzzy state distribution with an application to the health risks of nuclear power 1-35006
- Kofler, H.** *see* Hammer, M. 1-49465
- Kofman, D.B.** *see* Muzafarov, R.M. 1-27282
- Kofman, W.** *see* Fukuyama, K. 1-28908
- Koford, S., Lamczyk, R., Buszkiewicz, B.** Palladium plating—a replacement for gold 1-45754
- Koga, H.** Extensive use of DIP-type electromagnetic relays seen in future 1-50654
- Koga, H., Motomitsu, T., Taguchi, M.** Lightning surge waves induced in transmission lines 1-33387
- Koga, H., Motomitsu, T., Taguchi, M., Kaizu, R., Yamaguchi, H.** Lightning surge wave characteristics induced in transmission lines 1-47511
- Koga, K.** A double error correcting code with check bits dividable into two parts 1-51788
- Koga, K.** *see* Tanaka, M. 1-34582
- Koga, M., Okamoto, Y.** Latent vibration of quartz oscillation 1-32922
- Koga, M., Okamoto, Y.** Problems of measuring quartz oscillation by a combination of Fr-meter and vector voltmeter 1-34348
- Koga, R., Ebara, M., Kosaka, M., Sano, H.** Single-shot subnanosecond light-pulse waveform monitoring by an optical circuit 1-40923

- Koga, R., Frye, G.M., Jr., Denchy, B.V., Mace, O. EOSCOR III, a high energy solar neutron detector 1-34473
- Koga, T. *see* Madachi, T. 1-32133
- Koga, Y. *see* Shigetomi, S. 1-40992
- Kogan, B.S. A capacitive-coupled selective amplifier 1-39957
- Kogan, E., Romik, P. SAW bandpass filters with withdrawal weighted transducers 1-36784
- Kogan, E. *see* Ben Zaken, M. 1-37541
- Koganer, S.E. *see* Dzhakoniya, V.E. 1-52267
- Kogler, E. *see* Winter, W. 1-33882
- Kogler, W. *see* Guldseth, O.J. 1-49637
- Koglin, H.-J., Meyer, E.-P. Self-impedances of finite and infinite wires with earth-return 1-27641
- Koglin, H.-J., Schlabbach, J. Application of a microprocessor as a digital protection relay—advantages and problems 1-30819
- Kogure, T. *see* Matsushima, H. 1-34156
- Kogure, Y. *see* Hongo, K. 1-37851
- Koh, E. *see* Prasanna, S. 1-47637
- Koh, E.K. *see* Kennedy, D.J. 1-47611
- Koh, K.M. *see* Delorme, C. 1-39587
- Kohama, N. *see* Yoshioka, K. 1-37849
- Kohata, H. *see* Nakao, Y. 1-45048
- Kohaupt, R.D. Transverse instabilities in PETRA 1-48484
- Kohaupt, R.D. *see* Degele, D. 1-43142
- Kohaupt, R.D. *see* Rossbach, J. 1-42785
- Kohda, H. *see* Hoshikawa, K. 1-45907
- Kohima, N. *see* Fuchigami, T. 1-33905
- Kohiyama, K. *see* Watanabe, Y. 1-29681, 1-52083
- Kohl, G. Problems and approaches in an optical fibre subscriber's network with telephone and television transmissions 1-47681
- Kohl, P.A. *see* Ostermayer, F.W. 1-50876
- Kohlbacher, G.R. *see* Christiansen, P. 1-42395
- Kohler, A., Schiffel, E. The fitment and signals control of video display unit, type HCM 44 1-38125
- Kohler, B. ACT—a computer-aided system for testing cockpit sections 1-48779
- Kohler, H. Holographic interferometry. IV. Simplified evaluation with absolute orders 1-28800
- Kohler, K. Features of central power supply in passenger coaches by diesel locomotives 1-35439
- Kohler, K. *see* Frankel, R. 1-42799
- Kohler, K.H. *see* Pagel, E.O. 1-35481, 1-49774
- Kohler, M. *see* Stoff, H. 1-34498
- Kohler, W., Petersen, W. The optimal utilisation of renewable energy sources by centralised control 1-38845
- Kohli, D.R., Ahmad, S.U., Athar Khan, A. A new approach to performance analysis of chopper controlled DC motor drive 1-44401
- Kohn, J.M. *see* Reed, C.G. 1-48804
- Kohn, L. A 32b microprocessor with virtual memory support 1-32317
- Kohne, J., Schluter, K., Sturmer, A. Transfer characteristics of MOSFET analog switches with short channels 1-46319
- Kohne, J. *see* Dangel, J. 1-29554
- Kohno, I. *see* Yanokura, M. 1-30347
- Kohno, J., Nakajima, N. Patient-simulator for medical education of extraordinary reflex 1-26798
- Kohonen, T., Riittinen, H., Jalanko, M., Reuhkala, E., Haltsonen, S. A thousand-word recognition system based on the learning subspace method and redundant hash addressing 1-29143
- Kohra, K., Tanaka, J., Huke, K., Sasaki, T. Present status of the Photon Factory 1-30292
- Kohriki, T. *see* Mitsunobu, S. 1-42828
- Kohrin, T. *see* Shibata, F. 1-44093
- Kohzu, H. *see* Inada, T. 1-36563
- Koike, H. *see* Sakudo, N. 1-38391
- Koike, H. *see* Tokiguchi, K. 1-46059
- Koike, K. *see* Takahashi, F. 1-51685
- Koike, T. Effects of directional coupling on the magnetostatic surface wave propagation 1-46437
- Koike, T., Hongo, I., Murakami, K. Advanced techniques of LPC and their applications for various new services 1-29108
- Koike, T. *see* Nishiyasu, K. 1-38648
- Koike, Y. *see* Komatsu, S. 1-27862
- Koike, Y. *see* Ohtsuka, Y. 1-51154
- Koike, Y. *see* Okajima, M. 1-48723
- Koizumi, K. *see* Kihara, K. 1-43891
- Koizumi, K. *see* Nishi, M. 1-28388
- Koizumi, K. *see* Shimamoto, S. 1-28369, 1-51118
- Koizumi, M., Akiyama, N., Oshima, Y., Kuni, A. Automated precision position detecting technique applied in a mask aligner for LSI fabrication 1-50990
- Koizumi, M. *see* Akiyama, N. 1-50866
- Koizumi, Y. *see* Asano, N. 1-29521
- Kojima, C., Miyahara, K., Hasegawa, K., Otake, T., Ooki, H. In-line holographic lenses of high numerical aperture 1-46807
- Kojima, H., Yamakawa, I. Dynamic characteristics of the repelling force system consisting of the cylindrical rare-earth magnets. III. Analysis of the eddy current damping 1-28843
- Kojima, H. *see* Hikita, M. 1-36785
- Kojima, H. *see* Shimada, Y. 1-27141
- Kojima, H. *see* Yamakawa, I. 1-28859
- Kojima, K. *see* Fukami, H. 1-48838
- Kojima, K. *see* Kobayashi, Y. 1-32398
- Kojima, K. *see* Sakamoto, Y. 1-34885, 1-43696
- Kojima, M., Saigal, R. On the number of solutions to a class of complementarity problems 1-44992
- Kojima, N., Ohmura, M., Fuchigami, T., Yamamoto, H., Higashi, T. Designing on required signal-to-crossstalk power ratio of symmetrical cable for digital signal transmission 1-42145
- Kojima, N. *see* Ashiya, F. 1-33913, 1-42150
- Kojima, N. *see* Fuchigami, T. 1-46981
- Kojima, N. *see* Furukawa, S. 1-47517
- Kojima, N. *see* Negishi, Y. 1-52041
- Kojima, N. *see* Yabuta, T. 1-37925
- Kojima, N. *see* Yamamoto, H. 1-33904
- Kojima, T., Suzuki, T. Investigations on radiation and reflection characteristics of SAW interdigital transducers by equivalent circuit model 1-28208
- Kojima, T. *see* Hashizume, N. 1-46297
- Kojima, Y. RF superconducting cavities 1-33013
- Kojima, Y. *see* Furuya, T. 1-43101
- Kok Huat Lee Estimation of variance of mean using known coefficient of variation 1-44851
- Kokado, H. *see* Shizukuishi, M. 1-28526
- Kokavec, J., Cesnak, L. Influence of the iron losses on the precision of the loss. Measurement in superconducting tapes using a measuring transformer 1-38261
- Kokelj, P., Kersic, N., Turk, I. The influence of the iron core thickness of the price of small transformers 1-31276
- Kokelj, P., Kersic, N., Turk, I. The setting up of the most economic small transformer series 1-39022
- Koken, C. LF synthesizer designed to meet automatic testing needs 1-50451
- Kokhova, I.I. *see* Rekant, N.B. 1-49352
- Kokhreizde, T.K. *see* Lutidze, Sh.I. 1-44084, 1-44086
- Kokkonen, K., Sharp, P.O., Albers, R., Dishaw, J.P., Louie, F., Smith, R.J. Redundancy techniques for fast static RAMs 1-32305
- Kokkonen, K. *see* Abbott, R. 1-45357
- Kokoev, A.D. *see* Sandjimitbin, V.D. 1-31026
- Kokolakis, G.E. Bayesian classification and classification performance for independent distributions 1-51856
- Kokorin, Yu.I. *see* Torfimov, A.I. 1-38171
- Kokorowski, S.A. *see* Olson, G.L. 1-27111
- Kokoshkin, V.P. *see* Kantor, P.Ya. 1-47597
- Kokozenski, J. *see* Baker, C.C. 1-30916, 1-35016
- Kokotkiewicz, J. The development of induction motors general application 1-44104
- Kokotovic, P.V. *see* Winkelman, J.R. 1-34770
- Kokotushkin, V.A. *see* Basharin, G.P. 1-37742
- Kokovskii, I.Ya. *see* Strizhak, V.Ya. 1-48245
- Kokubo, Y., Kawamura, M. CH<sub>3</sub>F submillimeter laser using new type of resonator 1-46761
- Kokubo, Y., Kawamura, M. The optimum cavity length with CH<sub>3</sub>F metallic waveguide laser 1-51492
- Kokubo, Y., Yoshimori, S., Kawamura, M. CW-CH<sub>3</sub>F metallic waveguide laser at 496  $\mu$ m 1-33191
- Kolakowski, M. Current state of light source production. I. High-pressure sodium discharge lamps 1-49786
- Kolb, B. *see* Huck, B. 1-38331, 1-48438
- Kolbasin, A.I. Standard method for measuring peak frequency deviation 1-52554
- Kolbe, W. Ensuring high reliability of modern electronic protection equipment [for power supply systems] 1-30820
- Kolbe, W., De Mesmaeker, I. New devices for autoreclosure and their applications 1-39074
- Kolbe, W.F. *see* Turko, B.T. 1-34231
- Kolbesen, B.O., Strunk, H. Process-induced defects in silicon 1-36469
- Kolchina, G.P. *see* Brandt, N.B. 1-32646
- Kolcio, N. *see* Cherney, E.A. 1-43758
- Kolechko, A.A. *see* Zarechenskii, A.V. 1-44534
- Kolegov, V.G., Oleshko, V.G. Systematic error of UHF wattmeter circulatory calorimetric transducers 1-48146
- Kolehmainen, O. Bayesian models in estimating the total of a finite population: towards a general theory 1-31927
- Kolerus, J. Acoustic emission analysis. II. Methods and instrumentation 1-30582
- Kolesnik, Yu.I. *see* Sunanto 1-39069
- Kolesnikov, E.V., Gorbuntsov, A.F., Grekov, A.A. An analysis of an equivalent circuit of a multirame magnetic circuit using a linearisation method 1-44146
- Kolesnikov, E.V. *see* Vorob'ev, V.V. 1-44144
- Kolesnikov, N.K., Smolyakov, V.N. Possibility of computer analysis of absolute stability of automatic nonlinear pulsed-data systems based on pseudofrequency criterion 1-39667
- Kolesnikov, P.M., Rudenok, I.P. Propagation of electromagnetic waves in planar gradient waveguides 1-37356
- Koley, Kh.S. *see* Mitev, K.D. 1-48133
- Koley, N.I. Transient equilibrium two-phase flow with quasi-constant slip 1-53205
- Kolevska, D.G. *see* Gradinarov, P.G. 1-46635
- Koleyni, G., Ingels, F. Windowed sinusoidal waveforms analysis using the short time averaged cepstrum 1-41783
- Koliwad, K.M., Leipold, M.H. Progress toward goals in silicon sheet development 1-50312
- Kollar, E. Circularly radiating vertical aerial for 144 MHz 1-29016
- Kollar, E.P. *see* Arseneault, P.J. 1-26906
- Kollar, K., Rydlo, S. Delta modulation systems for speech transmission 1-41485
- Kollbrunner, C.F. *see* Alther, G.R. 1-38921
- Kollensperger, D., Schwab, A. Static converter powered variable speed drives 1-44397
- Koller, A. Determining the eigenvalues and eigenvectors of a matrix by the method of elementary transformations 1-35708
- Koller, L. Effect of geometric parameters of inductor-charge systems on the direction of eddy currents in the charge 1-31667
- Koller, L., Hoffer, T., Kliment, T. Design of inductors with conductors of minimum length 1-50645
- Koller, M. Forming of PCBs for automated insertion 1-50675
- Koller, R. Optoelectronic incremental encoder type 23 1-37040
- Kollerstrom, J. A second-order heavy traffic approximation for the queue GI/G/1 1-26981
- Kolmeder, C., Zinth, W. Theoretical and experimental investigations of a passively mode-locked Nd:Glass laser 1-33208
- Kolodii, B.I., Poritskii, A.L. An expression for the electric field intensity across a slot in a cylindrical resonator 1-36330
- Kolodny, A. *see* Lubzens, D. 1-38094
- Kolodzey, J.S. CRAY-I computer technology 1-44711
- Kolodziej, H.A. *see* Freundlich, P. 1-48204
- Kolomenskaya, T.I. *see* Bulgakov, Y.V. 1-50767
- Kolomiets, B.T. *see* Kalmaykova, N.P. 1-36490
- Kolomiitsev, L.A. *see* Bakhmutskii, V.F. 1-52413
- Kolomoets, N.V. *see* Granovskii, V.I. 1-49711
- Kolomyitsev, A.D. *see* Kurennyi, E.G. 1-34955
- Kolonits, V.P., Zsoldos, B. Effect of alloying materials on thermal stability and TCR-value of resistor films with Ta basis 1-40319
- Kolosok, G.V., Ushakov, Ye.I. Determination of the distribution functions of the time of failure-free operation of elements from observations of their operation in a configuration of sequential systems 1-50046
- Kolossa, I. *see* Schneider, K.-H. 1-53789
- Kolotiev, A.G. *see* Vyshlov, V.A. 1-52576
- Kolouch, D., Dennert-Moller, E., Lohmann, P., Ehlers, M., Bahr, H.P. Digital processing of remote sensing imagery 1-41738
- Kolpakov, I.F. A control system of the heavy ion synchrotron in the project of the Heavy Ion Accelerator Facility 1-52617
- Kolsky, H.G. *see* Bernstein, R. 1-48179
- Kolsrud, J. *see* Ghais, A.F. 1-47615
- Koltai, F. *see* Harsy, M. 1-39743
- Koltermann, K.P. *see* Alpers, W. 1-30557
- Kol'tsov, A.A. *see* Zinin, M.M. 1-42496
- Koltun, M.M., Matveev, V.P., Gavrilova, I.P. Photothermal solar radiation collectors 1-49666
- Koltun, M.M. *see* Arsenin, V.V. 1-49669
- Koltun, M.M. *see* Grachyeva, I.V. 1-35392
- Kolvalenko, I.T. *see* Zhemerov, G.G. 1-44187
- Kolyadko, D.I. *see* Vityazev, V.V. 1-40116
- Kolyandr, I.L. *see* Zhemerov, G.G. 1-35257
- Komaragiri, K.G., Mudhedkar, D. Selected non IEEE bibliography on grounding 1-34935
- Komaragiri, K.G., Mukhedkar, D. Selected non IEEE bibliography on grounding 1-43772
- Komarek, B. An analyzer of soft X-ray radiation of the Sun, destined for the Prognost 8 satellite 1-43408
- Komarek, P. *see* Hofmann, A. 1-53387
- Komarov, K.L., Murav'ev, V.V., Salaev, A.V., Sharko, A.V. Interfering factors in acoustic inspection of the heat treatment of alloy D1 1-36007
- Komarov, S.A., Meleshko, A.N., Pleshnikov, S.A., Solomatin, V.S. Efficient conversion of CO<sub>2</sub> laser radiation in the nonlinear crystal HgGa<sub>2</sub>S<sub>4</sub> 1-33284
- Komarov, V.A., Shul'gin, V.A. Laws governing the excitation of elastic waves in nonferromagnetic metals by the electromagnetic method and analysis of these laws with the aid of models of inductive radiators. I. Formulation of the problem. Acoustic field of a current-carrying loop in the near-field zone 1-51576
- Komarov, V.M. *see* Gladshstein, M.A. 1-47943
- Komarov, V.V. *see* Ageyev, A.I. 1-42866
- Komarov, Yu.A., Shonin, L.N., Veyalis, N.P., Fomina, V.I. Industrial ball flowmeters for general use, of the types 'Saturn' and SHRT 1-52605
- Komata, T. *see* Yamashita, T. 1-33009
- Komatsu, A. *see* Ichikawa, A. 1-37469
- Komatsu, I. *see* Hongo, K. 1-37851
- Komatsu, J. *see* Itoh, S. 1-46712

- Komatsu, M.**, Ebina, A., Takahashi, T. A fast method of LEED intensity measurements with a vidicon camera system 1-38320
- Komatsu, S.**, Nakahashi, M., Koike, Y. Interface structure of p-type GaP/Au/Au-Zn 1-27862
- Komatsu, Y.**, Murakami, Y., Yamaguchi, T., Otake, T., Hirabayashi, M. A frequency-stabilized MIC oscillator using a newly-developed dielectric resonator 1-45326
- Komatsu, Y.** *see* Hariu, T. 1-50330
- Komeda, T.** *see* Fujita, T. 1-46286
- Komono, J.**, Nogami, M., Shibatomi, A. Control of sulfur doping for GaAs VPE layers 1-46053
- Komono, J.**, Nogami, M., Shibatomi, A., Ohkawa, S. Ultra-high uniform GaAs layers by vapour-phase epitaxy 1-50293
- Komono, J.**, Shibatomi, A., Ohkawa, S. A new method for controlling doping profiles of GaAs VPE layers 1-40500
- Komono, J.** *see* Nogami, M. 1-27127
- Kominami, M.**, Yoshizumi, K., Narita, K., Rokushima, K. A numerical analysis of an arbitrarily-shaped planar circuit 1-45174
- Komissarov, G.A.** *see* Polyakov, V.E. 1-31286, 1-44147
- Komissarov, O.V.**, Logosha, N.I., Minashin, M.E., Soldatov, G.E., Filippova, N.V., Sharapov, V.N. Temperatures in the graphite stacks in the reactors at the Bilibinsk nuclear power station 1-38874
- Komiya, H.** *see* Toyoda, H. 1-27953, 1-27954
- Komiya, K.**, Kanzaki, M., Hatate, Y., Yamashita, T. A contact type image sensor using CdS photoconductive thin film 1-48118
- Komiya, K.** *see* Nakao, S. 1-30095
- Komiya, S.** *see* Ueda, O. 1-46654
- Komiyama, B.** A review of precision oscillators and superconducting cavity stabilized oscillators 1-51140
- Komiyama, K.** *see* Hashimoto, K. 1-41408
- Komiyama, K.** *see* Takao, K. 1-37378
- Komiyama, S.**, Spies, R. Hot-carrier population inversion in p-Ge 1-45913
- Komizo, H.**, Tokumitsu, Y. Millimeterwave integrated circuits 1-47732
- Komizo, H.** *see* Kurihara, H. 1-47228
- Komizo, H.** *see* Shibata, K. 1-36326
- Komlos, J.** *see* Ajtai, M. 1-39567
- Komma, M.**, Ruoff, H. A triply focusing magnet for electron spectrometry 1-52734
- Komo, J.J.**, Aridigides, A. Cut-off rate evaluation for diversity transmission with Rayleigh fading 1-33441
- Komolov, V.P.**, Roznyatovskii, V.A. Discretization of radio signals in a parametric circuit with video pulse pumping 1-52048
- Komori, F.** *see* Kobayashi, S. 1-48052
- Komori, H.** *see* Noda, N. 1-38762
- Komorowski, J.** *see* Gora, T. 1-31609
- Komorowski, R.A.** *see* Hause, L.L. 1-34623
- Komotskii, V.A.**, Black, T.D. Analysis and application of stationary reference grating method for optical detection of surface acoustic waves 1-28206
- Komotskii, V.A.** *see* Black, T.D. 1-30118
- Komova, E.N.** *see* Starchik, L.P. 1-53856
- Kompanets, I.N.**, Parfenov, A.V., Popov, Yu.M. Bistable properties of spatial light modulator with internal feedback 1-28538
- Kompanets, I.N.**, Parfenov, A.V., Popov, Yu.M. Multistability in optical transmittance of spatial light modulators with internal feedback 1-28539
- Kompanets, I.N.** *see* Aleksanyan, A.G. 1-50848
- Kompanets, I.N.** *see* Belyaev, V.V. 1-33094
- Kompanets, I.N.** *see* Garibyan, O.V. 1-46589
- Kompanets, I.N.** *see* Varga, P. 1-51863
- Kompfner, R.** *see* Park, H. 1-51539
- Komulainen, R.** The finite element method application in stationary electric and magnetic field calculations 1-28831
- Komuro, M.**, Kawakatsu, H. Field-emission liquid-metal ion source and triode ion gun 1-48562
- Konaeva, G.Ya.** *see* Belyaev, B.F. 1-36444
- Konagai, M.** *see* Sugimoto, M. 1-39118
- Konakova, R.V.**, Shvarts, Yu.M. The influence of structural defects and concentration inhomogeneities in epitaxial gallium arsenide on the electrical characteristics of impact ionization avalanche transit time diodes 1-32796
- Konakova, R.V.**, Tkhorik, Yu.A., Zaitsevskii, I.L., Kordos, P., Morvic, M., Cervenak, J. Avalanche breakdown peculiarities of  $\text{Al}_x\text{Ga}_{1-x}\text{As}$  IMPATT diodes 1-27866
- Konchak, V.S.** *see* Chegolin, P.M. 1-39244
- Konchalovskii, V.Yu.** *see* Ivashchenko, P.F. 1-34179
- Konczak, S.**, Kotewicz, K., Nowak, M. High-frequency photomagnetolectric method for determining semiconductor parameters 1-46646
- Konczewicz, L.** *see* Porowski, S. 1-32639
- Konczykowska, A.**, Wojciechowski, J. Block graphs—new approach to the topological analysis of large network 1-27225
- Kondilenko, I.I.**, Korotkov, P.A., Klimenko, V.A., Felinskii, G.S. Raman spectra of diffused Ti lithium niobate planar waveguide 1-40911
- Kondo, H.**, Yukimoto, Y. A high current gain and high speed power gate associated transistor 1-40557
- Kondo, I.** *see* Kimura, M. 1-41924
- Kondo, K.** *see* Kusumegi, A. 1-48580
- Kondo, K.** *see* Ohmori, S. 1-51663
- Kondo, K.** *see* Seely, M.L. 1-43165
- Kondo, M.** *see* Kawasaki, Y. 1-38763
- Kondo, M.** *see* Kobayashi, K. 1-37852
- Kondo, M.** *see* Matsuo, N. 1-43201
- Kondo, R.**, Yamaguchi, K., Yatsuda, Y., Minami, S.-I., Itoh, Y. A model of write-inhibition in dynamic injection MNOS 1-40702
- Kondo, S.**, Watanabe, H., Takei, T., Nunoshita, M. New components for optical-fiber transmission 1-52109
- Kondo, S.** *see* Harashima, F. 1-53476
- Kondo, S.** *see* Nakanishi, R. 1-44286
- Kondo, T.** *see* Horiba, Y. 1-32315
- Kondoh, H.**, Berenz, J., Hierl, T., Dalman, G.C., Lee, C.A. High efficiency mode characterization in a 20 GHz MBE GaAs IMPATT diode amplifier 1-45672
- Kondow, R.** *see* Akimoto, Y. 1-43787
- Kondratenko, A.N.** *see* Azarenkov, N.A. 1-37320
- Kondratenko, A.N.** *see* Vorobiev, V.M. 1-28929
- Kondratenko, O.N.** Measurement of wind velocity vector with a lidar having a receiving aperture of finite dimensions 1-52943
- Kondrat'ev, A.S.** *see* Chaplin, A.F. 1-29008, 1-33395
- Kondrat'ev, B.L.** *see* Yurkevich, V.M. 1-34350
- Kondrat'ev, I.G.**, Permitin, G.V., Smirnov, A.I. Propagation of wide wave beams in smoothly inhomogeneous media 1-51624
- Kondrat'ev, L.N.** *see* Bukile, A.E. 1-30325
- Kondrat'ev, R.L.** *see* Dolbilkin, B.S. 1-30380
- Kondratyuk, V.V.**, Malevich, I.A. Synchronization of pulsed systems with delayed feedback of the recirculating type 1-47210
- Konecny, C.** Transient recorder timely stores slowly progressing operations 1-38222
- Konecny, I.** A simple, double-capacitor circuit 1-32342
- Konecny, R.S.** *see* Hogrefe, R.L. 1-42992
- Konefal, Z.**, Szczepanski, J. Flashlamp excited tuned dye laser 1-51401
- Konev, Yu.B.** *see* Bunkin, S.B. 1-37184
- Konev, Yu.V.** *see* Bunkin, S.B. 1-37185
- Kong, A.M.** *see* Lau, K.F. 1-36771
- Kong, F.N.** *see* Theodorou, E.A. 1-41391
- Kong, H.J.**, Lee, S.S. Dual wavelength and continuously variable polarization dye laser 1-33197
- Kong, J.A.**, Shin, R.T., Chuang, S.L. Active and passive microwave remote sensing of Earth terrain 1-48844
- Kong, J.A.** *see* Chuang, S.-L. 1-51581
- Kong, J.A.** *see* Ezzeddine, A. 1-41298
- Kong, J.A.** *see* Tsang, L. 1-41219, 1-41220
- Kong Fan-ao**, Chen Zu-yao Temperature characteristics of gas sensitive semiconductors 1-32601
- Kong Guang-lin**, Liao Xian-bo, Yang Xi-rong, Zhang Dian-lin, Lin Shu-yuan Anderson transition in silicon inversion layers 1-27868
- Kong Guang-lin**, Liao Xian-bo, Yang Xi-rong, Zhang Dian-lin, Lin Shu-yuan Anderson transition in silicon inversion layers 1-50833
- Kong Jin Au** *see* Jin Au Kong
- Konheim, C.S.** *see* Hasselriis, F. 1-31038
- Konian, R.R.**, Walsh, J.L. Low voltage inverter (LVI) bipolar logic circuit for gate-arrays 1-32299
- Konian, R.R.** *see* Ho, A.P. 1-28090
- Konig, D.** Methods for proving relationships between stationary characteristics of queueing systems with point processes 1-50103
- Konig, H.-H.** *see* Dittmer, H.-J. 1-53256
- Konig, H.-H.** *see* Peter, F. 1-53236
- Konig, R.**, Mory, S. Relaxation oscillation of nanosecond dye lasers 1-51396
- Konig, S.** Project management—process data handling 1-26857
- Konig, U.**, Kasper, E., Herzog, H.J. Molecular beam epitaxy of silicon: effects of heavy Sb doping 1-35949
- Konig, V.** *see* Schmelzbach, P.A. 1-43158, 1-48552
- Konigshofer, F.** *see* Rakity, P. 1-47381
- Konikov, A.I.** *see* Vostroknutov, N.N. 1-52352
- Konishi, H.**, Kuriki, S., Matsumoto, G. On the origin of perpendicular magnetic anisotropy in evaporated Gd-Fe amorphous films 1-40789
- Konishi, K.** *see* Hasuike, K. 1-29511
- Konishi, K.** *see* Maruyama, K. 1-42123
- Konishi, N.** *see* Suzuki, T. 1-33195
- Konishi, S.**, Engemann, J., Heidmann, J., Hibiya, T. Magnetic bubbles with different wall states in a (110) oriented garnet film 1-36811
- Konishi, T.** *see* Ogura, S. 1-33313
- Konjevic, N.** *see* Cvijin, P.V. 1-42340
- Konkel, C.R.** Concept and design of a universal command and data interface for space shuttle payloads 1-43405
- Konnerth, K.L.** *see* Bonner, R.E. 1-30449
- Konnerth, K.L.** *see* Coker, C.W., Jr. 1-30448, 1-30451
- Konnikov, S.G.** *see* Akhmedov, D. 1-28730
- Konnikov, S.G.** *see* Bert, N.A. 1-27109, 1-27792, 1-39779
- Konnikov, S.G.** *see* Boiko, M.E. 1-32691
- Konnikov, S.G.** *see* Gun'ko, N.A. 1-27110
- Konno, K.** *see* Masugata, K. 1-43192
- Konno, H.** *see* Matsushima, H. 1-34156
- Kono, H.** *see* Oura, N. 1-46357
- Kononenko, S.** *see* Petretis, B. 1-41185
- Kononenko, W.**, Robinson, B.W., Selove, W., Theodosion, G.E. Tests for a new type of calorimeter, the SPED 1-52672
- Kononov, V.A.** *see* Mikhnov, S.A. 1-51423
- Konopasek, F.** *see* Oh, S. 1-43155
- Konopka, J.** Microwave cryogenic resonators 1-45601
- Konoplyannikov, A.K.** *see* Alekseev, A.V. 1-52742
- Konov, A.S.** *see* Andreev, A.Ts. 1-28478, 1-28479
- Konov, N.P.** *see* Sakho, K.S. 1-49799
- Konovalov, I.I.** *see* Galashov, N.N. 1-49290
- Konovalov, E.A.**, Ploshanskii, L.M., Shemysheskiy, O.S. Modernizing equipment type USIT-1 1-48621
- Konovalov, G.K.**, Knyazev, L.V. Aerosol attenuation of IR radiation by the sea atmosphere 1-51628
- Konovalov, I.P.** *see* Kozin, G.I. 1-37082
- Konovalov, V.G.** Rectifying errors in the circuits of diesel locomotives M62 and 2M62 1-31542
- Konovalov, V.G.** Eliminating malfunctions in the circuits of M62 and 2M62 diesel-electric locomotives 1-31543
- Konovalov, V.V.** *see* Dulitskaya, G.M. 1-32090
- Konrad, A.** *see* Chari, M.V.K. 1-49413
- Konrat, J.L.** *see* Gatefai, J.P. 1-42115
- Konrat, J.-L.** *see* Maisonneuve, M. 1-42114
- Konson, A.S.**, Belyaeva, L.P. The optoelectronic industry in the USA 1-35561
- Konstantinov, B.A.**, Saltykov, V.M., Saltykova, O.A. On normalisation of random voltage oscillations 1-49084
- Konstantinov, V.E.**, Kruglov, N.V. Measuring system for quality control in the assembly of gas-technological equipment of gas distribution 1-48013
- Konstantinova, S.A.** *see* Borisenko, V.E. 1-28728
- Konstantinovich, K.M.**, Lur'e, V.N. Correcting the dynamic errors of optoelectronic devices 1-34170
- Konstroffer, L.**, Grimm, E. Investigations of optical receivers in the wave band  $\lambda=1.0\text{ }\mu\text{m}$  to  $1.3\text{ }\mu\text{m}$  1-29752
- Kontoleon, J.M.** Optimal allocation of nonidentical components in a special 2-port network 1-35681
- Kontorov, D.S.** A method of making systematic investigations in radio engineering 1-42381
- Kontorovich, B.I.**, Klevanskaya, M.V. Device for adjustable delay of analog signals based on MOS transistors 1-36298
- Kontorovich, V.Ya.** *see* Klovskiy, D.D. 1-50177
- Kontos, G.**, Koumeri, R. Study of stability limits of a DC motor control loop of the angular velocity by applying recursive techniques 1-53483
- Kontos, J.** Formalization of the algorithm design for a pattern matching system 1-40637
- Konuma, M.** *see* Inoue, S. 1-27162
- Konyaev, A.Yu.** *see* Veinger, M.I. 1-35444
- Konyaev, B.A.** *see* Bokov, S.S. 1-52586
- Konyama, K.** *see* Nonaka, S. 1-39168
- Konyashenko, E.A.**, Moiseev, A.G., Shmykov, V.N. Eigenfunctions of radiative bodies 1-51661
- Konz, S.A.** *see* Winkler, R. 1-34343
- Konzelmann, M.** *see* Zollner, G. 1-42568
- Konzhukov, F.I.** *see* Aristov, V.V. 1-52470
- Konzhukov, F.I.** *see* Katchanov, N.N. 1-45154
- Koo, J.C.** *see* Mohlmann, M.A. 1-46431
- Koo, K.**, Tran, D.C., Sheem, S.K., Villarruel, C.A., Moeller, R.P. Single-mode fiber directional couplers: stabilization techniques 1-36921
- Koo, K.P.**, Carome, E.F. Frequency mixing in fibre-optic interferometer systems 1-40890
- Koo, K.P.** *see* Carome, E.F. 1-38190
- Kooi, P.S.** *see* Leong, M.F. 1-41418, 1-45606
- Koomey, J.J.M.** *see* Lohstroh, J. 1-45988, 1-45989
- Koon, N.C.**, Williams, C.M., Das, B.N. A new class of melt quenched amorphous magnetic alloys 1-46391
- Koonen, A.M.J.** Error probability in digital fiber optic communication systems 1-29758
- Koons, H.C.** *see* Holzworth, R.H. 1-46880
- Koontz, R.**, Miller, R., McKinney, T., Wil-munder, A. SLAC collider injector, RF drive synchronization and trigger electronics and 15 amp thermionic gun development 1-42926
- Koontz, R.F.** *see* Mavrogenes, G. 1-48475
- Koop, D.** *see* Adam, E. 1-43115
- Koop, D.** *see* Hong, S.O. 1-28389
- Koop, D.A.** *see* Spencer, C. 1-28394
- Koop, P.** *see* Albrecht, M. 1-42563
- Koopman, J.C.** *see* van de Grijp, A. 1-42230
- Koopman, N.G.** *see* Marcotte, V.C. 1-45820
- Kooy, B.J.G.** *see* van der see van der Kooy, B.J.G.
- Kooy, H.** *see* Bridges, D. 1-43234
- Kooy, H.** *see* Brody, A. 1-34436
- Kopach, V.R.** *see* Boiko, B.T. 1-31446
- Kopaev, V.G.** *see* Granovskii, V.I. 1-49711

- Kopainsky, B., Seilmeier, A., Kaiser, W. Fluorescence and laser action of 'old' (No.9860) and new mode-locking dyes 1-28674
- Kopeck, B. Electric energy consumption rates in specialized farms 1-39264
- Koper, H.F., Murray, T.J. Design considerations for long focal length reconnaissance systems from an applications point of view [naval aircraft] 1-48898
- Kop'ev, V.A., Malakhov, V.V., Filippov, V.I., Cherednichenko, O.B. Laser path device for measuring concentration of sulphurous anhydride in atmospheric air 1-43452
- Kopli, V.A. see Mel'kin, A.A. 1-30467
- Koplowitz, J. On improving the efficiency of chain encoded line drawings 1-37573
- Kopp, L. see Bienvenu, G. 1-33655, 1-37976
- Kopp, M.K. see Abele, R.K. 1-34462
- Kopp, W. see Drummond, T.J. 1-40440, 1-45973
- Koppe, K. The heating power station of the Dresden Technical University 1-35060
- Koppenwallner, G. see Boettcher, R.-D. 1-34647
- Koppitz, B. see Flugge, G. 1-43219
- Koppl, W. H930 weapon fire control system radar sensors 1-52151
- Koppl, W. Radar antenna/mast near-field interactions 1-52154
- Kops, P. de Bruyn see de Bruyn Kops, P.
- Kopshin, V.V. Metrological certification of current transformers under service conditions 1-49192
- Korabchikov, V.D. see Khazanov, A.Sh. 1-37996
- Korabel'nikov, A.N. see Voronin, S.G. 1-31251
- Korabel'nikov, B.M. see Grishchenko, A.I. 1-30288
- Korablev, A.Yu. see Shloma, A.M. 1-41468
- Korablev, G.S. see Bolotov, V.E. 1-38357
- Korado, V.A. Optimal multichannel detection and discrimination of quasideterministic signals against a background of Gaussian noises with unknown interchannel correlation matrix 1-29187
- Korado, V.A. Detection characteristics of quasideterministic signal in a noise background with an unknown correlation matrix 1-33418
- Korb, H.W. see Craven, R.A. 1-50865
- Korba, L. Integrator improves 555 pulse-width modulator 1-27360
- Korba, L.W. Simple permanent magnet motor speed control circuit 1-53367
- Korber, J. The development of the three-phase drive system for the high-power locomotive E 120 1-31952
- Korchashkin, N.N., Lozovatskii, I.D., Pluzhnikov, V.M. Investigation of microstructure of ocean hydrophysical fields with help of freely sliding probe 1-52946
- Korchemkin, Yu.B. see Bychkov, Yu.P. 1-51644
- Korczewski, A. see Hryszko, K. 1-49203
- Kordakov, V.N., Pustovalov, A.I., Eneev, M.U. The effect of the amount of compound winding of the driving motors on the traction properties of automatic locomotives used in mines 1-53742
- Korde, R.S., Tyagi, M.S. Breakdown voltage reduction of high voltage PIN diodes by a process induced linear defect 1-36589
- Kordesck, K., Gsellmann, J., Tomantschger, K. The alkaline manganese dioxide-zinc cell 1-53603
- Kordesck, K.V., Tomantschger, K. Primary batteries 1-31398
- Kordinov, E.V. see Lantukh, V.M. 1-48924
- Kordos, P., Morvic, M., Safrankova, J. On the problems of photovoltaic cells based on GaAs 1-51268
- Kordos, P., Polak, M. Some properties of Hall probes from GaAs at low temperatures 1-27971
- Kordos, P., Safrankova, J. MIS-structures on GaAs for photoelectrical applications 1-49676
- Kordos, P. see Konakova, R.V. 1-27986
- Kordus, A., Musierowicz, K., Scheibe, A. Influence of temporary unbalance of admittance to earth on operation of power network 1-49059
- Kordysh, L.M. Automatic workpiece changing on machining centres 1-39236
- Korech, N. see Januskevicius, Z. 1-45965
- Korek, M., Olszewski, R. Telecom: the winds of change 1-41863
- Koretskii, V.P. see Dolbilkin, B.S. 1-30380
- Koritz, J. see Belke, W. 1-38736
- Korman, W.J. see Frankel, J. 1-38628
- Kormany, T. see Kosza, G. 1-39771
- Kormilitsyn, D.V. see Artysushenko, V.G. 1-28421
- Kormos, I. see Adam, A. 1-48839
- Korn, U., Rav-Noy, Z., Shtrikman, S. Pyroelectric PVF<sub>2</sub> infrared detector arrays 1-38191
- Korneev, V.I. see Bobikov, V.E. 1-34874
- Korneeva, A.P. see Panfilov, G.G. 1-38876
- Korner, H.J. see Daniel, H. 1-42899
- Korner, H.J. see Wagner, W. 1-43127
- Korner, J. see Csizsar, I. 1-33458
- Korner, J. see Ericson, T. 1-33547
- Korner, L. see Almstrom, C. 1-52809
- Korner, P. Comments on 'Reproducing he infrasonic' [by D.H. Blasetti] 1-34155
- Kornienko, A.A. Hydromechanical drives for auto-operators in automatic tool-change mechanisms 1-39239
- Kornienko, L.G., Fedinchik, S.I. Synthesis of high directive antennas with deep pattern notches 1-47024
- Kornienko, L.G. see Shifrin, Ya.S. 1-37376
- Kornienko, L.S., Kravtsov, N.V., Shelaev, A.N. Solid-state ring laser with Doppler-shifted injected signal 1-37181
- Kornienko, L.S., Kravtsov, N.V., Shelaev, A.N. Nonreciprocal effects and kinematic mode locking in a solid-state ring laser with a nonstationary resonator 1-51491
- Kornienko, L.S. see Isaev, S.K. 1-51520
- Kornienko, L.S. see Zabelin, A.M. 1-46759
- Kornievich, G.S., Selepin, R.A. A fast monitor of the reactive and the zeal part of a sinusoidal current 1-49193
- Korniewicz, H. Electromagnetic hazards in protected zone fields around radiodiffusion stations 1-35614
- Korniewicz, H. Environment protection in designing overhead power lines 1-53110
- Kornyshev, A.A., Vorotyntsev, M.A. Conductivity and space charge phenomena in solid electrolytes with one mobile charge carrier species. A review with original material 1-45954
- Korobeinikova, I.E. see Vdovin, Yu.A. 1-30242
- Korobitsyn, V.A. see Belousova, I.M. 1-41057
- Korobko, O.V. Analysis of crosstalk in optical communications cables 1-37916
- Korobkov, L.A. see Kantor, P.Ya. 1-47597
- Korobov, Yu.A. see Vasil'ev, V.N. 1-48060
- Korobov, Yu.V. see Rozenberg, V.L. 1-35525
- Korochkin, L.S. see Mikhnov, S.A. 1-51423
- Korolev, A.E. see Dukhovnyi, A.M. 1-41163
- Korolev, A.N. Evaluation of the effect of the amplitude and phase parts of a spatial filter on image restoration quality 1-40985
- Korolev, F.A., Bogomolov, V.G. Experimental investigation of the characteristics of the diffraction yield of an unstable quasi-optical resonator 1-50618
- Korolev, M.V., Karpel'son, A.E. Nonuniformly polarized surface-excited thick piezoelectric transducers 1-36732
- Korolev, M.V., Karpel'son, A.E. Amplitude-frequency characteristics of nonuniformly polarized surface-excited thick piezoelectric transducers 1-36733
- Korolev, M.V., Karpel'son, A.E., Shevaldykin, V.G. Acoustic fields and signals of nonuniformly polarized piezotransducers with surface excitation 1-43472
- Korolev, V.I. see Bredikis, Yu.Yu. 1-30466
- Korolev, V.I. see Divin, G.D. 1-33210
- Korolev, V.Y. Probability distribution in recording of yield of multiple nuclear processes 1-32020
- Korolev, Yu.D. see Genkin, S.A. 1-51379
- Korol'kov, K.S. see Zuev, V.S. 1-51370
- Korol'kov, V.I. Photodetectors based on heterostructures 1-52484
- Korol'kov, V.I., Romanova, E.P., Yuferev, V.S., Yakovenko, A.A. Heterojunction power diodes with a base modulated by recombination radiation 1-32794
- Korol'kov, V.I. see Andreev, V.M. 1-28552
- Koronides, A.G., Kusic, G., Ashkin, M., Flick, C. Superconducting generator transient interaction analysis using three-dimensional models 1-44066
- Korop, B.V. see Vol'ftein, S.P. 1-49196
- Koros, M. Application of indefinite admittance matrix in circuit analysis 1-45210
- Korosi, A. see Basler, B. 1-31049
- Korostelev, V.A. see Ducl' M.A. 1-35055
- Koroteev, I.E. see Zhukov, V.Ya. 1-35246
- Koroteev, N.I. see Bareaika, B. 1-28699
- Korotenko, M.N., Salamakha, V.A., Slesarevskii, S.O., Maksimenko, V.P. Viability of resistance thermometers under reactor conditions 1-38877
- Korotkov, K.G. see Ban'kovskii, N.G. 1-50736
- Korotkov, P.A. see Kondilenko, I.I. 1-40911
- Korotkov, V.P., Loktionov, A.P. Efficiency of component converters whilst measuring mean output voltage 1-38253
- Korotkov, V.P., Loktionov, A.P. Suppression of harmonic noise by component transducer with measurement of mean output voltage 1-42713
- Korotun, V.P. see Dalinenko, N.K. 1-41173
- Korotun, Yu.M. see Antonenko, V.T. 1-44531
- Korovin, N.V. see Nesterov, B.P. 1-31145
- Korovin, O.P. see Baryatsev, S.V. 1-50619
- Korovin, S.D. see Belomoytsev, S.Ya. 1-50737
- Koroza, V.I., Sukhovskiy, Ye.S. Energy relations in the excitation of irregular waveguides 1-37349
- Korpel, A. Laser applications: video disc 1-52262
- Korsbjerg, T. see Stensgaard, R. 1-43128
- Korshunov, I.P. see Dedlovskiy, M.M. 1-36884
- Korshunov, Yu.M., Klochko, V.K. Optimum evaluation given restriction on nominal risk 1-52318
- Korsunov, N.I. Choice of approximation method of functions and increase of their computation rate in microprocessor systems 1-27064
- Korsunskii, I.L. see Voitovetskii, V.K. 1-30374
- Kortanek, K.O., Lee, D.N., Polak, G.G. A linear programming model for design of communications networks with time varying probabilistic demands 1-37686
- Kortanek, K.O., Yamasaki, M. Equalities in transportation problems and characterizations of optimal solutions 1-32000
- Kortas, R.G. see Clark, K.W. 1-52786
- Korte, B. see Hausmann, D. 1-45001
- Kortschinski, J. see Lat, M.V. 1-43794
- Kortz, H.P., Weber, H. Diffraction losses and mode structure of equivalent TEM<sub>00</sub> optical resonators 1-41113
- Korud, V.I. see Chizhenko, I.M. 1-39068
- Koryakin, N.M. The efficiency of receiver aerials for an underground radio link 1-29724
- Kosaka, M. see Koga, R. 1-40923
- Kosaka, M. see Odagi, K. 1-34157
- Kosaka, S. see Shinoki, F. 1-32994
- Kosaka, S. see Shoji, A. 1-51109
- Kosaka, Y. see Kawamura, S. 1-43394
- Kosalka, W. see Hartman, M. 1-31321
- Koschel, W. see Stringfellow, G.B. 1-27115
- Koschel, W.H., Smith, R.S., Hiesinger, P. Optical and electrical characterization of chemical defects in GaAs layers grown by MBE 1-45084
- Koschitzki, D. The construction and function of the telecommunications network. IV 1-47298
- Kosco, E.G. see Tanski, W.J. 1-36744
- Kosco, M. The possibility of determining the intensity of the activating electric field of ferroelectrics 1-51042
- Koscova, M. see Vesely, V. 1-44057
- Kose, R., Ripken, G., Wrulich, A. Comparison of measured acceptances of PETRA with results from beam tracking 1-48461
- Kose, R. see Degele, D. 1-43142
- Kose, R. see Rossbach, J. 1-42785
- Kosel, P.B., Munro, G.S., Vaughan, R. Capacitive transducer for accurate displacement control 1-48040
- Koshechko, L.G. see Golubchik, E.M. 1-27968
- Koshelets, V.P. see Gubankov, V.N. 1-28315
- Koshelev, N.N. see Khakimov, A.N. 1-53825
- Koshelev, V.I. see Popov, D.I. 1-41731
- Koshelyaevskii, N.B., Oboukhov, A., Tatarenkov, V.M., Titov, A.N., Chartier, J.-M., Felder, R. International comparison of methane-stabilized He-Ne lasers 1-48250
- Koshevaya, S.V. see Gassanov, L.G. 1-46343
- Koshevoy, V.M., Lisetskii, N.V., Sverdluk, M.B. Optimization of a signal in the case of matched processing under conditions of interfering reflections 1-47208
- Koshiba, M., Morita, H., Suzuki, M. Finite-element analysis of discontinuity problem of SH modes in an elastic plate waveguide 1-41273
- Koshiba, M., Okada, M., Suzuki, M. Numerical analysis of two-dimensional piezoelectric waveguides for surface acoustic waves by finite-element method 1-51058
- Koshiba, M., Suzuki, M. Equivalent network analysis of dielectric thin-film waveguide with trapezoidal cross-section 1-33378
- Koshiba, M., Suzuki, M. Equivalent network analysis of dielectric thin-film waveguides for optical integrated circuits 1-40960
- Koshiba, M. see Buus, J. 1-46986
- Koshiba, T. see Sasaki, H. 1-39974, 1-50476
- Koshiga, F. see Hirayama, Y. 1-50947
- Koshiga, F. see Sugano, T. 1-32773
- Koshimoto, Y., Mikazuki, T. Computer simulated reproduction process with nonlinear magnetic heads 1-51090
- Koshimura, I., Ueda, S., Kawaura, S., Senba, H. Video engraver system 1-29918
- Kosinov, Y.P. see Averbakh, Y.A. 1-35057
- Kosinov, Y.P. see Averbakh, Y.A. 1-31067
- Koskelo, A.C. see Wirth, M.J. 1-28664
- Kos'kin, Yu.P. see Antonov, Yu.F. 1-49558
- Kosmachevskii, K.V. Investigation of kinetic model for the problem of motion of a relativistic electron beam in a vacuum waveguide 1-32029
- Kosmowski, I. see Borodulja, W.A. 1-42772
- Kosono, S. see Imamura, K. 1-47568
- Kosoukhov, F.D. Analysis of a transformer balancing circuit with capacitive components 1-35219
- Kosovskii, D.I., Shkarlet, Yu.M. Eddy-current multilayer standard specimens of electrical conductivity 1-39835
- Kossakowski, Z. see Adaszewski, W. 1-47306
- Kosse, E. see Schulz, W. 1-49077, 1-49079
- Kossionides, S. see Egelhof, P. 1-43163
- Kossler, W.J. see Lankford, W.F. 1-48609
- Kossobudzki, L. see Haman, K. 1-48848
- Kost, C.J. see Baartman, R. 1-48338
- Kostantinov, B.A., Saltykov, V.M., Saltykova, O.A. Analysing the nature of the variations in the maximum voltage swings in networks supplying parallel arc steel-melting furnaces 1-31668
- Kostecky, G. see Jacco, J.C. 1-27098
- Kostelyanets, V.S., Kostin, V.N., Eliasberg, G.B. Determination of maximum voltage for thyristor converters of synchronous machine excitation systems 1-31212
- Kostenich, Yu.V. see Batishche, S.A. 1-33282, 1-46788

- Kostenko, A.**, Milligan, J.M., Richter, J.S., Walsh, T.J. Wafer carrier registration pads 1-40642
- Kostenko, M.V.**, Chalilov, F.Ch. The new concepts of lightning overvoltage protection for transformer stations of 35 and 110 kV 1-43776
- Kostenko, M.V.**, Chalilov, F.Ch. Results of measurements of lightning voltage and current overloads on diode shunts in grid operation 1-53111
- Kostenko, M.V.** *see* Gumerova, N.I. 1-49103
- Kostenko, V.I.** *see* Sivokobilenko, V.F. 1-44079, 1-44085
- Kosterev, V.S.**, Kostereva, E.P. A transceiver of PFM signals for optical communication lines 1-52118
- Kostereva, E.P.** *see* Kosterev, V.S. 1-52118
- Kosterin, V.A.** *see* Polyakov, V.E. 1-43768
- Kostic, L.** Local steam transit time estimation in a boiling water reactor 1-41464
- Kostik, B.F.** *see* Freik, D.M. 1-27842
- Kostikov, O.N.**, Malykhin, E.I., Us, Z.P., Yakovlev, A.I. Influence of internal heat transfer on the thermal state of totally enclosed low power electric motors 1-31237
- Kostin, V.N.** *see* Kostelyanets, V.S. 1-31212
- Kostina, I.K.** *see* Dominin, F.A. 1-43349
- Kostina, L.S.** *see* Grekhov, I.V. 1-36378
- Kostishack, D.F.**, Burke, B.E., Mayer, G.J. Continuous-scan charge-coupled device (CCD) sensor system with moving target indicator (MTI) for satellite surveillance 1-38205
- Kostner, R.** *see* Kurz, G. 1-39949
- Kostr, J.** The intersection of valuation rings 1-31918
- Kostromin, A.G.** *see* Panfilov, G.G. 1-38876
- Kostroun, V.O.**, Chanbari, E., Beebe, E.N., Janson, S.W. The Cornell electron beam ion source 1-43178
- Kostrykin, V.A.** *see* Pereverzev, D.A. 1-49285
- Kostuk, R.K.** Polarization characteristics of a 1000-W FEL-type filament lamp 1-49782
- Kostylev, V.A.**, Drapitskaya, V.P., Volkova, L.V. New trends in electric heating devices for food preparation 1-31740
- Kostyuk, B.Kh.**, Kudzin, A.Yu., Sokolyanskii, G.Kh. Phototransistors in  $\text{Bi}_2\text{SiO}_{20}$  and  $\text{Bi}_2\text{GeO}_{20}$  single crystals 1-28557
- Kosugi, K.**, Kamise, T., Sagara, S., Ojima, K., Izo, M., Shikata, C. New No.1 Rod Mill [Sumitomo Electric Industries] 1-39228
- Kosugi, M.** *see* Kuroiwa, Y. 1-53816
- Kosugi, T.** *see* Kai, K. 1-29825, 1-34025
- Kosugi, T.** *see* Nakajima, H. 1-47754
- Kosugi, T.** *see* Okada, K. 1-29768
- Kosvintsev, Yu.Yu.**, Kushnir, Yu.A., Morozov, V.I. Measurement of spectrum of flux of ultracold neutrons by magnetic integrating spectrometer 1-38458
- Kosyak, Y.F.**, Virchenko, M.A., Sukhinin, V.P., Arkad'ev, B.A., Kantemir, A.D. The problem of selecting speed of turbines for nuclear power stations 1-30910
- Kosyakin, M.N.** *see* Ageyev, A.I. 1-42866
- Kosyrev, F.K.**, Fedorov, V.G., Ivanov, V.V., Moryashev, S.F., Ivanov, Yu.N., Fromm, V.A. The comparison of laser and arc welding 1-53833
- Kosza, G.**, Kuznetsov, F.A., Kormany, T., Nagy, L. Optimization of Si epitaxial growth 1-39771
- Kosztaluk, R.**, Lanoie, R., Malewski, R., Menemenlis, C., Duc-Hai Nguyen Effect of time shift between the two voltage components on phase to phase insulation strength 1-43736
- Kotai, E.** *see* Lohrer, T. 1-50888
- Kotajima, H.**, Fujita, H. A novel radar reflector with variable RCS 1-52143
- Kotake, T.**, Watanabe, K., Kamukai, T., Koyanagi, K. Analysis of subsynchronous resonance between synchronous machines and series-capacitor compensated transmission systems 1-38704
- Kotani, N.**, Kawazu, S. A numerical analysis of avalanche breakdown in short-channel MOS-FETS 1-40610
- Kotani, S.** *see* Nakaya, S. 1-42708
- Kotani, S.** *see* Tateishi, K. 1-52519
- Kotani, T.** *see* Ueda, O. 1-46654
- Kotarba, J.** Utilization capabilities of unconventional energy sources for heating purposes in Poland 1-53793
- Kotecha, H.N.**, Chung Hon Lam A dual-gate floating-gate FET device 1-28046
- Kotecha, H.N.** *see* Beilstein, K.E. 1-32273
- Kotecha, H.N.** *see* Bergeron, D.L. 1-46280
- Kotecha, H.N.** *see* Gaffney, D.P. 1-40639
- Kotecha, H.N.** *see* Kalter, H.P. 1-46305
- Kotel'nikov, D.I.**, Gvozdet'skii, V.S. The determination of parameters of the column of glow discharge in welding 1-31717
- Kotel'nikov, I.N.**, Shul'man, A.Ya. Frequency dependence of the response of a Schottky detector in the far infrared 1-30134
- Kotel'nikova, A.A.**, Sitnik, N.P., Babich, A.V., Skripnik, G.A. Aluminous ceramic material 1-27170
- Kotenko, G.I.**, Karkhin, V.A. Study of magnetic field of four-pole magnet by the finite element method 1-28837
- Kotenko, V.V.** *see* Velichkin, A.I. 1-41726
- Koterov, V.N.** *see* Basov, N.G. 1-46696
- Kotewicz, K.** *see* Konczak, S. 1-46646
- Kotfila, L.** *see* Putaak, J.C. 1-52658
- Kothari, D.P.**, Nagrath, I.J. Optimal stochastic scheduling of hydro-thermal systems using discrete maximum principle 1-34797
- Kothari, D.P.** *see* Indulkar, C.S. 1-49119
- Kothari, L.S.** *see* Dhariwal, S.R. 1-40377
- Kothari, M.L.**, Kaul, B.L., Nanda, J. Automatic generation control of hydro-thermal system 1-38667
- Kothari, M.L.**, Satsangi, P.S., Nanda, J. Sampled-data automatic generation control of interconnected reheat thermal systems considering generation rate constraints 1-43523
- Kothari, P.C.**, Bhatnagar, H.M., Agrawal, V.K., Chandra, K. A feed-through microwave power measuring transfer standard at 10.0 GHz 1-34368
- Kothe, H.K.** Special requirements to batteries applied in photovoltaic and wind power systems for telecommunications 1-42030
- Kothiyal, G.P.**, Ghosh, B., Deshpande, R.Y. Preparation of arsenic crystals and their electric and photoconductive properties 1-39749
- Kotiah, T.C.T.** Asymptotic formulae for some unstable queues 1-31936
- Kotin, V.V.** *see* Valdner, O.A. 1-48498
- Kotiveeriah, P.** *see* Glass, J.M. 1-47181
- Kotkin, A.L.**, Maiorshin, V.V., Umakhodzhaev, R.M. Single-component quantum magnetometer with feedback using the Hanle signal 1-48211
- Kotlarewsky, P.** *see* Rosenberg, S.A. 1-44246
- Kotler, R.**, Meyer, J. Transfer and implementation of US Army-sponsored manufacturing technology developments 1-31807
- Kotletsov, B.N.** *see* Trofimova, N.V. 1-38292
- Kotlikov, E.N.**, Moshkina, S.N., Polishchuk, V.A. Digital synchronous detector 1-36156
- Kotmala, R.K.** *see* Jain, G.C. 1-53632
- Kotov, M.N.** *see* Knishevskaya, L.V. 1-28970
- Kotov, O.I.**, Nikolaev, V.M., Petrun'kin, V.Yu. Semiconductor ring laser with an external resonator 1-33254
- Kotov, V.I.** *see* Vasiliev, V.V. 1-48466
- Kotov, V.T.** *see* Besschetnov, E.A. 1-27321
- Kotov, V.T.** *see* Karpov, I.V. 1-27322
- Kotrappa, P.**, Dua, S.K., Gupta, P.C., Mayya, Y.S. Electret—a new tool for measuring concentrations of radon and thoron in air 1-52700
- Kotrba, P.** *see* Kindl, D. 1-53619
- Kotrch, G.S.** *see* Engel, P.A. 1-27737
- Kotter, K.H.** Basics of video head technology—mechanical precision of the 1.2 mm<sup>3</sup> monocrystal ferrite 1-42428
- Kotthaus, R.** *see* Behrend, H.-J. 1-43229
- Kotthaus, R.** *see* Flugge, G. 1-43219
- Kotykhin, Yu.P.** *see* Antonenko, V.T. 1-44531
- Kou, K.Yung** *see* Yung Kou, K.
- Kou-yuan Huang**, McGillem, C.D., Anuta, P.E. Analytic signal representation of the synthetic seismogram of bright spots 1-43434
- Koudelka, V.**, Malik, J., Mrha, J., Krejci, I., Spinka, M. Plastic-bonded electrodes for nickel-cadmium accumulators. V. Influence of the current collector and mechanical compression on the current carrying capability of the nickel oxide electrode 1-35345
- Koul, S.K.**, Bhat, B. Characteristic impedance of microstrip-like transmission lines for millimeter wave applications 1-41271
- Koul, S.K.**, Bhat, B. Propagation parameters of coupled microstrip-like transmission lines for millimeter wave applications 1-46982
- Koumeri, R.** *see* Kontos, G. 1-53483
- Kouno, A.** *see* Morishita, M. 1-34082
- Kouptsidis, J.S.** *see* Falland, C. 1-48315
- Koura, N.** *see* Takahashi, S. 1-35343
- Kouris, G.J.** Energy modelling: the economist's approach 1-26850
- Koushtuev, A.I.** *see* Braude-Zolotarev, Yu.M. 1-47612
- Koutchouk, J.P.** Linear betatron coupling measurement and compensation in the ISR 1-48477
- Koutchouk, J.P.** Transverse beam stability optimization based on beam transfer function measurement 1-48478
- Koutchouk, J.P.** *see* Bouthouin, M. 1-42890
- Koutchouk, J.-P.** *see* Gamble, J. 1-48317
- Koutchouk, J.-P.** *see* Hemery, J.-Y. 1-43005
- Koutrouvelis, I.A.** An iterative procedure for the estimation of the parameters of stable laws 1-35779
- Koutrouvelis, I.A.** Tests for normality in stable laws 1-39545
- Kouvaras, N.** Some novel elements for delta-modulated signal processing 1-33633
- Kouyoumjian, R.G.** *see* Pathak, P.H. 1-47012
- Kovac, E.J.** Distributing frame planning—framework for the future 1-33858
- Kovach, P.S.** Current sensor 1-48043
- Kovacheva, L.I.** *see* Lirin, V.N. 1-35133
- Kovachich, Yu.V.** *see* Bel'giy, V.V. 1-38826
- Kovacs, A.** *see* Kiss, M. 1-38475
- Kovacs, F.** *see* Behrend, H.-J. 1-43229
- Kovacs, G.**, Takacs, S. A series of asynchronous motors developed by GANZ Electric Works in a module-system 1-53445
- Kovacs, K.** About self-induced oscillations of three-phase machines 1-44056
- Kovacs, K.**, Bechtold, B., Keviczky, L., Vajta, M., Jr., Vajk, I., Hetthessy, J., Haber, R. Power generation load-frequency control with adaptive regulators 1-43587
- Kovacs, K.P.**, Jordan, H. Simple calculating method of self-excited hunting in three-phase machines 1-53378
- Kovacs, K.P.**, Kiss, L. Precise simulation of an asynchronous motor with variable degree of saturation 1-44078
- Kovacs, P.** The non-existence of certain regular graphs of girth 5 1-50196
- Kovacs Ferenc** *see* Ferenc Kovacs
- Koval, D.** Energy curtailment 1-53043
- Koval'chuk, V.P.** *see* Bunyak, A.M. 1-50602
- Kovalen', V.Yu.** *see* Belyaev, V.N. 1-30323
- Kovalenko, A.S.** Measurement of low-frequency noise in superconducting point contacts 1-28363
- Kovalenko, I.I.**, Ol'khovik, N.P., Vasil'chenko, V.I. Maximum current protection for low voltage supplies in mines 1-49177
- Kovalenko, L.N.**, Krasnyi, L.G., Skripka, N.I. The detection of simple and complex signals in the presence of reverberation interference 1-37536
- Kovalenko, V.D.** *see* Ageyev, A.I. 1-42866
- Kovalenko, V.F.** Method of monitoring epitaxial semiconductor films of variable composition 1-27793
- Kovalenko, Yu.P.** *see* Salamatov, I.A. 1-39226
- Kovalev, A.S.** *see* Shubenko-Shubin, L.A. 1-31033
- Kovalev, A.V.** *see* Bessaraba, V.I. 1-27754
- Kovalev, F.I.** *see* Tuchkevich, V.M. 1-32780
- Kovalev, I.N.** Economic basis of the regulation of shunting capacitive batteries 1-38674
- Kovalev, I.N.** Determining maximum annual loss when designing reactive-load compensation 1-43510
- Kovalev, N.N.** The scientific-technical society and the electrical industry 1-31760
- Kovalev, Yu.I.** *see* Aminev, A.M. 1-50951
- Kovalevich, O.M.** *see* Egorov, V.V. 1-43881
- Kovalevskaya, A.M.** *see* Petryaev, E.P. 1-38902
- Kovalich, A.W.** 8662A power-on and self-test sequences 1-30141
- Kovalkov, N.V.** Fast-acting measuring converter of complex voltage orthogonal components 1-30216
- Kovalyukh, V.R.**, Gud, M.B. Noise sensor with compensation for interference for automatic ball mill loading system 1-48268
- Kovan, Yu.I.** *see* Muzafarov, R.M. 1-27282
- Kovan'ko, V.V.**, Nechezhenko, B.V., Pochinok, P.A. Penetrometer for soils and powder materials 1-48240
- Kovitya, P.**, Lowke, J.J., Stokes, A.D. Theory of arc clogging in nozzles [of circuit breakers] 1-31379
- Kovitya, P.**, Lowke, J.J., Stokes, A.D. Theory of arc clogging in nozzles 1-35309
- Kovolev, A.N.** Pseudocoherent transformation of noncoherent images 1-41790
- Kovrov, A.**, Rumma, K., Rukhamkin, V. Formation dynamics of initial turn-on region in power thyristors 1-39066
- Kovyzin, Yu.A.** *see* Zenin, E.I. 1-36020
- Kowal, J.** Software engineering for control and protection equipment in transmission and distribution substations: the present situation at Electricite de France 1-49005
- Kowalchuk, J.**, Schanning, B.P., Powers, S.A. Communications privacy: integration of public and secret key cryptography 1-29382
- Kowalczyk, L.** The investigation of electrolytic capacitor aluminium foil etching electrolyte electrochemical characteristics 1-36365
- Kowalczyk, L.** *see* Karczewski, G. 1-46754
- Kowalczyk, S.P.**, Waldrop, J.R., Grant, R.W. Reactivity and interface chemistry during Schottky-barrier formation: Metals on thin native oxides of GaAs investigated by X-ray photoelectron spectroscopy 1-27855
- Kowalewski, A.** *see* Sawiki, M. 1-30173
- Kowalik, J.S.** *see* Leboeuf, C.M. 1-31125
- Kowalijow, M.M.** *see* Gerlich, E. 1-31996
- Kowalski, H.** *see* Cassel, D.G. 1-48630
- Kowalski, H.** Pattern recognition in track chamber spectrometers 1-38445
- Kowalski, J.** *see* Porowski, S. 1-32639
- Kowalski, K.** Measurement of striking energy of power hammers and hammer drills 1-34352
- Kowalski, S.** *see* Flanz, J.B. 1-48334
- Kowalski, Z.**, Radlowski, M. Electric energy indices describing communal consumers in housing estates 1-38639
- Kowatsch, M.**, Lafferl, J., Seifert, F.J. Analog encoded signal transmission using position-modulated linear chirps 1-37406
- Kowatsch, M.**, Lafferl, J., Ungersback, F., Seifert, F.J. Encoding of analogue signals using surface-acoustic-wave chirp filters 1-39987

- Kowatsch, M., Seifert, F.J., Lafferl, J. Comments on transmission system using pseudonoise modulation of linear chirps 1-33485
- Kowatsch, M., Stocker, H.R., Seifert, F.J., Lafferl, J. Time sidelobe performance of low time-bandwidth product linear FM pulse compression systems 1-42309
- Kowshik, V., Dumin, D.J. Subthreshold conduction in silicon-on-sapphire transistors 1-50931
- Koyama, F. *see* Utsaka, K. 1-41085
- Koyama, H., Hoh, K. On an LSI device 1-40671
- Koyama, H. *see* Togashi, J. 1-27160
- Koyama, I. *see* Saito, K. 1-49010
- Koyama, J. *see* Suhara, T. 1-37237
- Koyama, K., Nakamura, G. An analysis of two-parallel queueing model with blocking and supplanting 1-31937
- Koyama, K. *see* Tadokoro, Y. 1-34186
- Koyama, M. *see* Harashima, F. 1-53476
- Koyama, M. *see* Shimada, S. 1-47697
- Koyama, S. *see* Wakamatsu, S. 1-35591
- Koyama, T. *see* Shiono, M. 1-47224
- Koyama, Y., Yagi, H. The use of TAPS-II in the development of new process systems 1-32137
- Koyama, Y. *see* Kajitani, M. 1-37910
- Koyanagi, K. *see* Kotake, T. 1-38704
- Koyanagi, S. Following performance of PS9020 series trial pantographs 1-49756
- Koyuncu, B. The investigation of high frequency vibration modes of PZT-4 transducers using ESPI techniques with reference beam modulation 1-51057
- Kozacki, A. *see* Veric, C. 1-27804
- Kozak, H. Dual voltage regulator 1-27268
- Kozaki, K. Geothermal power plant 1-49318
- Kozaki, S. A new method for the scattering of a Gaussian beam by homogeneous dielectric cylinder-theory and experiment 1-51589
- Kozanecki, A. *see* Strzalkowski, I. 1-50835
- Kozawa, T., Tsukizoe, A., Sakemi, J., Miura, C., Ishii, T. A concurrent pattern operation algorithm for VLSI mask data 1-46251
- Kozawa, T. *see* Goshima, S. 1-47930
- Kozel, N.A. *see* Vikulin, I.M. 1-50920
- Kozenkov, V.M., Kvasnikov, E.D., Katyshev, E.G., Barachevskii, V.A. Elimination of phase distortion in holographic interferometer systems 1-41170
- Kozenkov, V.M. *see* Barachevskii, V.A. 1-28519
- Kozenkov, A.V. *see* Didenko, A.N. 1-46664
- Kozhevnikov, A.V. *see* Bystritskii, V.M. 1-28652
- Kozhevnikov, E.S. *see* Ratnovskii, V.Ya. 1-38307
- Kozin, G.I., Kononov, I.P., Petrovskii, V.N., Protzenko, E.D., Rurukin, A.N. Gas laser with intracavity phase anisotropy 1-37082
- Kozin, I.V. On the problem of distinguishing between the two processes with random intensities 1-31950
- Koziol, H. *see* Austin, B. 1-42891
- Koziol, H. *see* Gelato, G. 1-42919
- Koziol, P. *see* Doreau, M.T. 1-45779
- Koziorowski, K., Muck, N., Natusch, K., Neuhof, A. A portable minicomputer for thermal measurements and data collection on steam turbines 1-34224
- Kozitsyn, V.E. *see* Imenitov, A.B. 1-28278
- Kozlik, M. *see* Bradach, I. 1-47069
- Kozlik-Kulak, A., Droznak, A. LaAlO<sub>3</sub>, its synthesis, its properties 1-27173
- Kozlov, A.T. *see* Brche, M.A. 1-40534
- Kozlov, G.A. The error in calculating of integral by the Monte-Carlo method using a random code generator with independent digits 1-44823
- Kozlov, L.G. *see* Boyun, V.P. 1-39665
- Kozlov, M.I., Vershinin, P.P., Gershenkroij, V.L., Gordienko, N.I., Goshchenko, V.I., Gershinskii, Ya.V. Three-phase rectifier circuits with voltage tripling 1-36084
- Kozlov, V.A. *see* Vildgrube, G.S. 1-29898
- Kozlov, V.I. A method of digital phase detection 1-45340
- Kozlov, V.I. *see* Sharovarov, G.A. 1-38878
- Kozlov, V.S. *see* Kalimov, A.G. 1-48628
- Kozlov, V.V., Sokolov, V.P., Zavodov, Yu.K. High-sensitivity displacement transducers in control and measuring equipment 1-48056
- Kozlov, Yu.V. *see* Liseykin, I.D. 1-35046
- Kozlovskii, V.V. *see* Kamynin, Yu.N. 1-50655
- Kozlowski, G. *see* Ciszek, M. 1-28295
- Kozlowski, K. *see* Omura, J.K. 1-33674
- Kozlowski, L., Kuzma, E., Kuzma, C., Pruszczyk, M. New Polish critical temperature thermistors 1-36353
- Kozlyanikova, L.P. *see* Chistyakov, V.A. 1-48087
- Kozlyayeva, L.N. *see* Zagorskii, Ya.T. 1-39958
- Kozma, G. *see* Naday, I. 1-48651
- Kozol, E.J. *see* Choberka, J.M. 1-26908
- Kozono, S., Yoshikawa, M. Switch and stay diversity effect on maritime mobile satellite communication 1-47569
- Kozorez, G.A. On calculation of dynamic processes in linear circuits with energy sources described in tables 1-39859
- Kozorezov, M.A. *see* Bocharov, V.I. 1-49486
- Kozuchowski, A. An algorithm and a program of a voltage-current method of electric network calculation 1-32135
- Kozuka, H. *see* Nanba, M. 1-50869
- Kozyrev, A.P. *see* Zhelezovskiy, B.Ye. 1-27761
- Kozyrev, Yu.N. *see* Gabovich, M.D. 1-30305
- Kozyrskii, V.V. *see* Sin'kov, V.M. 1-30723
- Kponou, A. *see* Schultz, P.F. 1-43181
- Kraaij, D.J., Schemel, G.S., Wegscheider, F.M. The testing of power transformers. VIII 1-31283
- Kraaij, D.J., Schemel, G.S., Wegscheider, F.M. The testing of power transformers. IX 1-44142
- Kraan, K.J. Experiences with electrical installations in hospitals 1-35601
- Kraats, J. *see* van der Kraats, J.
- Krabbe, H.-J. Application of gas chromatography in the power station laboratory 1-30982
- Krackhardt, D. The power gamma: an alternative approach to monotonic association measurement 1-35793
- Kradner, I. Programmable frequency meter. III 1-30182
- Kraemer, W. *see* Wizgall, M. 1-37825
- Krafczyk, G., Edwards, H., Kerns, Q., May, M., Tilles, E., Turkot, F. A 3K kicker magnet system for the Tevatron beam abort system 1-43065
- Krafft, G. *see* Garren, A. 1-42996
- Krafft, G. *see* Green, M.A. 1-51125
- Krafft, K. *see* Stoff, H. 1-34498
- Krafka, H.H. A software development system based on CHILL 1-42104
- Kraft, C.C., Jr. The renaissance of manned space flight 1-48776
- Kraft, E. *see* Wang, S.-T. 1-28377
- Kraft, H.-R. *see* Spur, G. 1-29229
- Kraft, K.-H. *see* Hummer, K. 1-31528
- Kraft, R. *see* Thurat, B. 1-53584
- Kraft, W.R., Moore, V.S., Stahl, W.L., Jr., Thoma, N.G. OR array reduction technique 1-27413
- Kraft, W.R., Moore, V.S., Stahl, W.L., Jr., Thoma, N.G. Layout of a high performance CFET device configuration 1-28109
- Kraft, W.R., Moore, V.S., Stahl, W.L., Jr., Thoma, N.G. Zero power AND gate 1-36198
- Kraft, W.R., Moore, V.S., Stahl, W.L., Jr., Thoma, N.G., Walewski, L.G. Low power 'and' and 'or' circuits 1-45393
- Kraft, W.R., Thoma, N.G. True or complement circuit for use in integrated circuits 1-36199
- Kraft, W.R. *see* Cases, M. 1-27542
- Krahenbuhl, P., Meier, F. Rationalization via remote control of locomotives 1-53751
- Krahl, I. *see* Bogk, D. 1-50982
- Krahn, F. Optical cable network for 150 subscribers 1-33988
- Krainov, G.S. *see* Grishchenko, A.I. 1-30288
- Kraiskii, A.V. *see* Borkova, V.N. 1-28817
- Kraiskii, A.V. *see* Zubov, V.A. 1-28816
- Krajenbrink, F., Hoberg, P., Montano, H., Zanio, K. Large grains of InP and CdTe on recrystallized CdS substrates 1-39814
- Krakau, H.B. *see* De, B.B. 1-47484
- Krakhella, K. *see* Lokberg, O.J. 1-51178
- Krakhmalin, I.G. *see* Vagin, G.Ya. 1-45273
- Krakovski, H., Schott, H. Power supplies—a vital factor in the reliable operation of international communication links 1-39916
- Kramar, M.S., Guseva, L.P., Sadovo, Yu.S. Systems approach to analysis and assessment of technology level and productivity of urban passenger transport 1-49751
- Kramarz, L. Algebraic perturbation methods for the solution of singular linear systems 1-39479
- Kramek, J.P. A modified method for target function calculation using Powell algorithm applied to determining locations of components in hybrid ICs 1-50709
- Kramer, G. *see* Oh, C.S. 1-52541
- Kramer, H. Floating gas-turbine power station project 1-31045
- Kramer, M.A. *see* Ludlam, T. 1-34431
- Kramer, R.P. Lithographic processes for complex IC 1-32854
- Kramer, S.L., Moffett, D.R. Measuring beam emittance for high-energy H accelerators 1-42915
- Kramer, S.L. *see* Hogrefe, R.L. 1-42992
- Kramer, S.R. *see* Hofer, D.C. 1-46041
- Kramfus, I.R. *see* Lyubarskii, V.G. 1-31210
- Kramp, E. *see* Bonfig, K.W. 1-48883
- Kranert, K. A novel short-circuit current damping device for isolated power networks. Simulation and practical results 1-30818
- Kranik, J.R. *see* Bayer, E.H. 1-40497
- Krantz, S.G., Parks, H.R. Distance to C<sup>k</sup> hypersurfaces 1-50094
- Kranz, H. *see* Ryssel, H. 1-27782
- Kranz, H.C. The influence of PD-stabilization on space charge and aging effects of polymers 1-28181
- Kranzer, D., Glasl, A., Kaiser, H. OXIS—technology for LSI bipolar circuits 1-40692
- Krarrup, J., Pruzan, P., Burkard, R.E. Efficiency and optimality in minimax, minimax 0-1 programming problems 1-44976
- Krasemann, H. *see* Burkhardt, H. 1-43210
- Krasik, Ya.E. *see* Bystritskii, V.M. 1-28652
- Krasik, Ya.E. *see* Didenko, A.N. 1-48558
- Krasil'nikov, S.N. *see* D'yachkin, V.P. 1-39972
- Krasin'kova, M.V. *see* Petrov, M.P. 1-28528
- Krasner, M., Berouti, M., Makhoul, J. Stability analysis of APC systems 1-41561
- Krasner, M. *see* Makhoul, J. 1-41557
- Krasniansky, E., Greene, J.W., Hellman, M.E. On secret sharing systems 1-33513
- Krasniewski, A. *see* Godlewska, J. 1-37823
- Krasnobajev, N.I., Barsky, M.R., Vanag, J.A., Schreder, I.B. Traction batteries almost competitive as an adjunct to electrification 1-53750
- Krasnogortsev, I.L. *see* Khokhlov, Yu.I. 1-39225
- Krasnopetsev, V.V. *see* Akimchenko, I.P. 1-40427
- Krasnopol'skii, A.E., Lebedev, L.F., Sokolov, V.B. Investigation of rectifier units for periodic charging of storage capacitors 1-31333
- Krasnoshapka, D.M., Petruk, A.I. A mathematical model of a differential asynchronous-synchronous generator set 1-31195
- Krasnov, A.A. *see* Druchevskii, V.A. 1-38198
- Krasnov, K.A. *see* Gorbatshevich, S.V. 1-30218
- Krasnov, L.V., Yatsyshin, I.G. Equipment for controlling a four-telescope semiconductor spectrometer 1-52743
- Krasnov, V.F. *see* Budarnykh, V.I. 1-27748, 1-27774
- Krasnov, Yu.K. Measurement of the intensity of detonation waves propagating in a rock deposit 1-38297
- Krasnov, Yu.K. Type-II superconductors in the mixed state in AC circuits 1-51137
- Krasnova, T.A. *see* Tezikov, I.I. 1-30972
- Krasnovskaya, O.A. *see* Akhromenko, G.E. 1-49346
- Krasnyanskii, A.D. *see* Brusin, I.Ya. 1-37961
- Krasnyi, L.G. *see* Kovalenko, L.N. 1-37536
- Krasnyy, L.G. *see* Berkuta, V.G. 1-29032
- Krasov, P. *see* Lipinski, W. 1-41266, 1-45703
- Krasov, P. *see* Sikora, R. 1-37260
- Krasovskii, A.N. On positional differential game formalization 1-35722
- Krasuski, K. HV switchgear. Polish designs or the purchase of licences? 1-31380
- Kraszewski, A. Microwave aquametry—a review 1-48258
- Kraszewski, A., Kulinski, S., Madziar, J., Zielkowski, K. Microwave on-line moisture content monitoring in low-hydrated organic materials 1-48262
- Kratky, E. *see* Berndt, G. 1-44418
- Kratschmer, W. *see* Huck, B. 1-43131
- Kratz, G., Freitag, G. The GEAFLEX-drive for electric rail vehicles 1-35432
- Kratz, H.W. New measurement technique for dynamic digital functional testing 1-47913
- Kratzig, E. Insulation of current transformers 1-49528
- Kratzig, S. *see* Claus, A. 1-51895
- Kraus, D. *see* Ludlam, T. 1-34446
- Kraus, G., Kuenzel, U., Schaefer, R. Method of determining the silicon/nitrogen ratio in SiN<sub>x</sub> films and their bulk resistivity 1-40480
- Kraus, G.K. *see* Adirmand, D.J. 1-40643
- Kraus, J. *see* Penzkofer, A. 1-41143
- Kraus, J.S. *see* Temmer, G.M. 1-38354
- Kraus, K. Programmable bandpass filter 1-27513
- Kraus, K. Fully digitalized phase-locked loop 1-36153
- Kraus, K. Methods of computing the roots of a Chebyshev low-pass filter 1-50530
- Krausch, L. Selection criteria for fixed battery units 1-49656
- Krause, A. The electronic secretary 1-33849
- Krause, D. A linear, non contacting transducer for large distances and high thermal and dynamic loading 1-38178
- Krause, H., Langkau, R., Scobel, W. On the dependence of scintillation loss in liquid organic scintillators NE 213 on recoil proton energies 1-38424
- Krause, J.T., Kurkjian, C.R., Paek, U.C. Strength of fusion splices for fibre lightguides 1-28442
- Krause, K., Troebel, W. Low-voltage circuit-breakers for ratings of 100, 250 and 630 A 1-35278
- Krause, N. Circular microstrip resonators on gyrotropic substrates 1-40216
- Krause, N., Hillenbrand, B., Pfister, H., Uzel, Y. Nb- and Nb<sub>3</sub>Sn-cavities produced by sheet material 1-28410
- Krause, P.C., Man, D.T. Transient behavior of a class of wind turbine generators during electrical disturbances 1-44009
- Krause, R.F., Popovic, B.A. Magnetic properties of textured annealed commercial black plate 1-46385
- Krausen, E. *see* Driesen, H. 1-35099
- Krauskopf, J., Williams, D.R., Heeley, D.W. Computer controlled color mixer with laser primaries [vision research] 1-43277
- Krauss, A. Calculating the dimensions of unwanted laminar structures on silver contacts by means of noise values 1-50651
- Krauss, H. Demands for the new telecommunications systems and their realization by the Regional Post Directorates 1-47288
- Krauss, J.A. FCC opens up K-band for low cost communications 1-33927
- Krauss, K.-H. Microcomputer produce code words without shift register 1-37426

- Krauss, M. *see* Riedel, F. 1-40201
- Krausse, E. Automatic control and regulating equipment for generating sets 1-35124
- Krausse, E. Dynamic uninterrupted power supply units 1-49024
- Krausse, J. The connector gate [MOS transistor] 1-46140
- Kraut, G. *see* Nikoloff, J. 1-31555
- Krauth, H., Nyilas, A., Hoflich, H., Rudolf, J. Manufacturing and testing of a forced flow cooled superconductor for Tokamak magnets 1-28390
- Krauth, H. *see* Dolensky, B. 1-46480
- Krautheimer, D. Tracking generators boost spectrum analyzer utility 1-30047
- Krautle, H. Effect of dual implantation on the amphoteric behavior of group IV ion implanted GaAs 1-40407
- Krautle, H. *see* Beneking, H. 1-39803
- Kravchenko, A.F. *see* Al'perovich, V.L. 1-32705, 1-45999
- Kravchenko, G.G. *see* Goshin, G.G. 1-33327
- Kravchenko, L.N., Sapel'nikov, A.N., Starosel'skii, V.I. Gallium arsenide integrated circuits for the subnanosecond region 1-32887
- Kravchenko, L.N. *see* Brche, M.A. 1-40534
- Kravchenko, N.F. *see* Tsaryuk, A.K. 1-49835
- Kravchenko, N.P., Solntsev, V.A. Finding the combination coupling resistances of periodic slow-wave systems through use of experimental data 1-36438
- Kravchenko, V.F., Ponomarev, V.I., Goncharenko, A.A. Optimum estimation of electromagnetic field parameters in solving problems of antenna and waveguide design 1-37367
- Kravchoon, S.N. *see* Philippov, L.P. 1-34389
- Kravetskii, D.Ya. *see* Pel'ts, B.B. 1-31650
- Kravitz, R.H. *see* Richardson, W.S. 1-32314
- Kravtsov, A.E., Reznikov, M.A., Fok, M.V. The action of an electric field on photographic layers 1-37019
- Kravtsov, N.V. *see* Isaev, S.K. 1-51520
- Kravtsov, N.V. *see* Kornienko, L.S. 1-37181, 1-51491
- Kravtsov, V.N. *see* Garyaev, S.N. 1-44480
- Kravtsov, Yu.A., Namazov, S.A. Characteristics of scattering of radio waves from magnetically oriented inhomogeneities of the ionosphere near critical frequency 1-37317
- Kravtsov, Yu.A. *see* Kinber, B.Ye. 1-33386
- Kravtsova, N.I. *see* Kubinskiy, I.M. 1-28474
- Krawarik, P.H. *see* Watkins, L.S. 1-51157
- Krawczyk, A. Unidimensional transient electromagnetic field in a double-layer conductive medium [electric motors] 1-53343
- Krawczyk, S. *see* Przewlocki, H.M. 1-46022
- Krayushkin, V.P. *see* Ivanov, V.B. 1-47942
- Krebs, K. *see* Beghi, G. 1-30862
- Krebs, K.H., Rossi-Gianoli, E. Photovoltaic testing in the European communities 1-53675
- Krebs, P. Bargraphs 1-48167
- Krechlok, W. *see* Frese, H. 1-42973
- Krechlok, W. *see* Hochweller, G. 1-42974
- Krehbiel, C.E. Frequency synthesis simplified 1-45633
- Kreigl, A. A characterization of reduced incidence algebras 1-35704
- Kreiling, J. The mighty micro—what it is and how it works 1-32248
- Kreinin, L.B. *see* Bordina, N.M. 1-28580
- Kreipe, M.J. *see* Cresap, R.L. 1-38693
- Kreischer, K.E. *see* Temkin, R.J. 1-45858
- Kreisinger, V. *see* Adam, J. 1-35160
- Kreisle, M. *see* Cockerill, D. 1-43233
- Kreiss, B., Kreiss, H.-O. Numerical methods for singular perturbation problems 1-35914
- Kreiss, H.-O. *see* Kreiss, B. 1-35914
- Krejci, I. *see* Koudelka, V. 1-35345
- Krekhtupov, V.M., Tyulin, V.A. Eigen waves of a lattice of dielectric rods with a nonorthogonal grid of elements 1-28919
- Kremenetskii, A.M. *see* Bronshtein, E.L. 1-38175
- Kremer, E. *see* Neuhaus, G. 1-35786
- Kremer, F., Izatt, J.R., Genzel, L. MM-wave measurements of the complex index of refraction using an untuned cavity 1-48220
- Kremer, I.Ya., Petrov, V.M. Effect of antenna array configuration on the capability for radiation source distance resolution 1-51729
- Kremer, M. *see* Becker, K. 1-33309
- Krenciglowa, E.M., Harms, A.A. An assessment of nuclear waste transmutation with proton accelerators 1-48273
- Kreps, S.A. *see* Sanders, T.J. 1-40075
- Kresh, Y.M. *see* Myers, G.H. 1-38532
- Kreslo, E.A., Osipov, V.V., Sukhorukov, A.N. Multichannel timer with pulse-position information coding 1-40163
- Kress, C.E., Russell, J.D., Best, D.W. AAMP: an advanced architecture CMOS/SOS microprocessor 1-51030
- Kress, D. Digital communication technique. I 1-51898
- Kress, K.A. A polymer material-composite neutron detector 1-34461
- Kress, W. *see* Bussmann-Holder, A. 1-28162
- Kresse, J. *see* Melsa, J.L. 1-29366
- Kresse, J.M. *see* Cohn, D.L. 1-41579
- Kressel, H. Lasers and LEDs for optical communications using fibers 1-47692
- Krestel, E. Display techniques for medical diagnosis 1-38488
- Kretschmer, F.F., Jr. *see* Lewis, B.L. 1-47116
- Kretz, F., Sabatier, J. Sampling of television pictures: analysis in the spatio-temporal and in the Fourier domains 1-47790
- Kreutel, R.W., Williams, A.E., Greene, K.H., Lee, Y.S., Autry, R.G. Optical transmission technology in satellite communications 1-29671
- Kreuth, H.P. Digital calculation of machine transfer functions by means of Z-transformation techniques 1-53379
- Kreutz, E.W., Rickus, E., Sotnik, N. Field effect spectroscopy of oxygen states at cleaved InSb(110) surfaces 1-36472
- Kreutz, E.W., Schroll, P. Gap states at the GaAs-natural oxide interface 1-46026
- Kreuzer, H. *see* Arrivallaga, A.D. 1-35082
- Kreuzer, H. *see* Diaz Arrivallaga, A. 1-31086
- Kreuzer, J. Transformers of medium and high power 1-31297
- Kreuzer, J.L. *see* Buckley, W.D. 1-40317
- Kreuzer, M. A programmable precision meter in the accuracy class 0.0005 1-48142
- Krevchenko, Yu.R., Veselovskaya, L.P. Computer analysis of a system with composite magnetic suspension 1-49745
- Krevet, B., Schauer, W., Wuchner, F. Pinning behavior of Nb<sub>3</sub>Ge thin film superconductors 1-51101
- Krey, M. *see* Mohrhauser, H. 1-43861
- Kreyszig, E. *see* Azzam, A. 1-32026
- Krichevskii, E.S. *see* Terekhov, V.P. 1-34394
- Krichevsky, R.E., Trofimov, V.K. The performance of universal encoding 1-37414
- Krichevsky, V., DiFonzo, D.F. Optimum feed locus for beam scanning in the symmetry plane of offset Cassegrain antennas: two-dimensional case 1-47007
- Krick, W., Baack, C. Comparison of Nyquist- and partial response signalling for digital transmission in optical fibre systems 1-47660
- Kricke, K.D., Knapp, L. Technical/operational ATC scenarios for future TMA navigation 1-52925
- Krider, J.C. *see* Crittenden, R.R. 1-48579, 1-48614
- Krieb, K.H. Environmental protection measures in bituminous-coal power stations—their effects and costs 1-53237
- Kriechbaum, K. Progress in high-voltage circuit-breaker engineering 1-31345
- Kriechbaum, K. Developments in the sphere of high voltage high capacity circuit breakers 1-35268
- Kriechbaum, K. *see* von Bonin, E. 1-35317
- Kriedt, H. *see* Rehak, M. 1-34067
- Kriedt, H. *see* Veith, R. 1-50543
- Kriedte, W. *see* Coirault, R. 1-34646
- Krieg, K.R. *see* Gennaro, S.De. 1-37453
- Krieger, C.I. *see* Kim, S.H. 1-28371
- Krieger, R.J. Automated technique for developing low-drag nose shapes for supersonic missiles 1-48774
- Krienen, F. Initial Cooling Experiments (ICE) at CERN 1-48524
- Krienen, F., MacLachlan, J.A. Antiproton collection from a production target 1-43052
- Krienen, F. *see* Kells, W. 1-43030
- Kriezis, E.E. *see* Tsibukis, T.D. 1-32818
- Kriezis, E.E. *see* Xypteras, J. 1-51565
- Kriezis, E.E. *see* Xypteras, J.E. 1-49732
- Krikor, K.S., Awsi, A.A. Comparison of noise and vibration of small induction motors using standard and graded winding 1-35199
- Krikor, K.S. *see* Gupta, S.C. 1-53714
- Krikorian, E. Thin-film HgCdTe for mosaic focal planes [preparation] 1-47970
- Krile, T.F. *see* Kasturi, R. 1-28791, 1-29226
- Krinchik, G.S. *see* Valiev, U.V. 1-28237
- Krintsin, L.V. *see* Gubonin, N.S. 1-30493
- Krinsky, S. Resonant impedance of bellows above cutoff 1-48487
- Krinsky, S., Gluckstern, R.L. Higher-order terms in a perturbation expansion for the impedance of a corrugated wave guide 1-43041
- Krinsky, S. *see* Blewett, J.P. 1-51299
- Krinsky, S. *see* Galayda, J.N. 1-48330
- Krinsky, S. *see* Hsieh, H. 1-43116
- Kripakov, N.P. Finite element analysis of yield-pillar stability 1-44576
- Krisch, A.D. *see* Bywater, J.A. 1-52644
- Krisch, A.D. *see* Terwilliger, K.M. 1-42787
- Krishev, A.P. *see* Zubov, V.G. 1-30127
- Krishnakumar, A.S., Karpowicz, J.L., Belic, N., Singer, D.H., Jenkins, J.M. Microprocessor-based data compression scheme for enhanced digital transmission of Holter recordings 1-52797
- Krishnamurthy, A., Childers, D.G. Vocal fold vibratory patterns: comparison of film and inverse filtering 1-38480
- Krishnamurthy, B.V. *see* Parameswaran, K. 1-46872
- Krishnamurthy, E.V., Venkateswaran, H. A parallel Wilf algorithm for complex zeros of a polynomial 1-35876
- Krishnamurthy, M.R. *see* Marimuthu, P. 1-53446
- Krishnan, K.M. *see* Wang, F.F.Y. 1-46399
- Krishnan, P.N. *see* Walrafen, G.E. 1-46521
- Krishnaparandhama, T., Elangovan, S., Kuppurajulu, A. Method for identifying coherent generators 1-30630
- Krishnaparandhama, T. *see* Subramaniam, P. 1-53096
- Krishnarao, I. Sailesh *see* Sailesh Krishnarao, I.
- Krishnasamy, S.G., Ford, G.L., Order, C.I. Predicting the structural performance of transmission lines uprated by reconductoring 1-43732
- Krishnaswamy, S.V., Messier, R., Swab, P., Tongson, L.L., Vadam, K. Explosive crystallization of RF-sputtered amorphous CdTe films 1-40405
- Krishnaswamy, S.V. *see* Kardauskas, M.J. 1-45982
- Kristoff, J.S., Nadeau, D.P., Walton, E.G. Alkali-etch adhesion promotion process 1-50975
- Krivyuk, E.M., Vol'zhonok, N.D., Chubinskii-Nadezhdin, I.V., Parkhomenko, V.I. Error estimate in measuring dose power of terrigenous gamma radiation 1-30331
- Kritikos, H. *see* Alexander, L. 1-29789
- Kritzinger, S., Tu, K.N. Thin palladium silicide contacts to silicon 1-27858
- Krivenkov, B.E. *see* Bogomolov, E.N. 1-42740
- Krvin, E.V., Murav'ev, A.M. Design of composite piezoelectric transducers with a contributed resonant frequency 1-28194
- Krivka, I. *see* Ketis, B.-P. 1-32652
- Krivoi, G.S. Josephson-effect femtovoltmeter 1-52506
- Krivolapchuk, I.G. *see* Shevchenko, V.I. 1-49485
- Krivoshchekov, G.V., Kurbatov, P.F., Smirnov, V.S., Tumaikin, A.M. Polarization hysteresis in the He-Xe laser on the 5d[3/2]<sub>1</sub><sup>0</sup>-6p[3/2]<sub>1</sub> xenon transition in a weak magnetic field 1-33264
- Krivosheev, I.A. *see* Baksheev, V.G. 1-30575
- Krivosheyev, M.I., Dvorkovich, V.P., Babich, V.V., Ryvkin, E.L. Automatic measurements of the parameters of a television signal and the quality of a TV channel 1-47804
- Krivykh, V.D. *see* Bashkirkii, N.N. 1-53239
- Kriz, T.A. Corner-turn complexity properties of polynomial transform 2D convolution methods 1-37620
- Krizhilin, Ya.I. *see* Borisov, B.N. 1-33281
- Kroboth, M.E. *see* Pfeiffer, H.G. 1-34984
- Krocker, E. Computer-controlled exchange technology 1-33880
- Krocker, H.-J. *see* Ritzschke, M. 1-52411
- Kroebel, R. *see* Bohm, H. 1-43863
- Kroeger, W.L. Rising and falling edge expandable digital debounce circuit 1-40001
- Kroemer, H. Analytic approximations for degenerate accumulation layers in semiconductors, with applications to barrier lowering in isotype heterojunctions 1-36503
- Kroemer, H. Heterostructures for everything: device principle of the 1980s? 1-40444
- Kroemer, H. Simple rate equation model for hypothetical doubly stimulated emission of both photons in quantum-well lasers 1-46723
- Kroemer, H., Wu-Yi Chien On the theory of Debye averaging in the C-V profiling of semiconductors 1-40375
- Kroes, F.B., Maaskant, A., Sluyk, T., Spelt, J.B. Non intercepting high resolution beam monitors 1-42968
- Kroez, P.H.C. Series representation method for the far field of an offset reflector antenna 1-29006
- Kroger, F.A. *see* Takeda, Y. 1-50762
- Kroger, H., Smith, L.N., Jillic, D.W. Selective niobium anodization process for fabricating Josephson tunnel junctions 1-51105
- Krogmann, M. *see* Kern, M. 1-38059
- Krohn, H.E. Vector coding techniques for high speed digital simulation 1-45428
- Krokhin, O.N. *see* Gribkov, V.A. 1-52666
- Krol, P.G. Predetermined counters 1-50586
- Krol, W. *van der see* van der Krol, W.
- Krolkowski, Cz., Mosciacka-Grzesiak, M., Stroinski, M. Predischarge phenomena in a concentric wire-cylinder arrangement in vacuum 1-32489
- Kroll, C. *see* Acedo, H.A. 1-32736
- Kroll, N.M., Morton, P.L., Rosenbluth, M.N. Free-electron lasers with variable parameter wigglers 1-51311
- Kroll, N.M., Morton, P.L., Rosenbluth, M.N., Eckstein, J.N., Madey, J.M.J. Theory of the transverse gradient wiggler 1-51316
- Kromer, I. Breakdown of large spark gaps in air 1-36709
- Kromer, I.L. *see* Danish, I. 1-30773
- Kronberg, J.W. High-temperature behavior of MOS devices 1-40619
- Kroncke, G.T. *see* Ferguson, J.R., Jr. 1-34650
- Krone, A. *see* Henle, M. 1-38213
- Kronenfeld, J.E. *see* Calvo, A.B. 1-49934
- Kronert, G. A generatable transaction system for microcomputers 1-29478
- Kronfeld, G. *see* Hennebach, R. 1-47938
- Kronmuller, H. *see* Groger, B. 1-32960
- Kroo, N. *see* Cser, L. 1-38455
- Kroon, J.C. *see* Wyckoff, R.D. 1-34457

- Krost, G. *see* Gretsche, R. 1-52556
- Krotevich, N.F., Sergeev, V.G. Measurement of extremely weak magnetic-induction variations [magnetostatic transducers] 1-48059
- Krotkus, A. *see* Plitnikas, A. 1-36484
- Krounbi, M. *see* Grant, P.M. 1-36520
- Krowne, C.M. Cylindrical-rectangular microstrip antenna radiation efficiency based on cavity Q factor 1-47038
- Krowne, C.M. Input-impedance Smith chart curves for H-plane mutual coupling between two rectangular microstrip antennas 1-51741
- Krpata, F. Laser distance meter in geodesy 1-34691
- Krpata, M. Measuring phase jitter in data transmission channels 1-48229
- Krsmanovic, Lj. *see* Pejovic, S. 1-31080
- Kruchten, S.L. *see* O'Clock, G.D., Jr. 1-48272
- Kruczynski, L., Gesser, H.D., Turner, C.W., Speers, E.A. Porous titania glass as a photocatalyst for hydrogen production from water 1-44386
- Krueger, A. VLSI evolution and needs 1-32866
- Krueger, G.P., Lund, A.E., Nicholas, D.D. Composite wood utility poles 1-53126
- Krueger, L.M. *see* Gilbert, B.K. 1-38501
- Krueger, R.J. Numerical aspects of a dissipative inverse problem 1-41207
- Kruempel, K.C. *see* Fouad, A.A. 1-53021
- Kruempel, K.C. *see* Makram, E.B. 1-53113
- Krug, W. Engineering activities connected with the construction and operation of electrical power installations 1-34967
- Kruger, F.J. The present state-of-the-art in regard to lithium primary batteries 1-49653
- Kruger, F.J. *see* von Alpen, U. 1-44346
- Kruger, H. *see* Kindl, H. 1-34339
- Kruger, J. *see* Behr, J.P. 1-29482
- Kruger, J. *see* Behr, J.-P. 1-29506
- Kruger, K. Voltage drop in a low-voltage distribution system. I 1-53067
- Kruger, K., Munzing, H. Intermediate-link frequency converter effects in mains 1-49551
- Kruger, M. The electronically tracked bus speeds up public transport 1-44437
- Kruger, R.A., Mistretta, C.A., Riederer, S.J. Physical and technical considerations of computerized fluoroscopy difference imaging 1-34590
- Kruger, R.P. Nonmedical application of computed tomography to power capacitor quality assessment 1-39136
- Kruglenko, V.P., Logunov, O.A., Startsev, A.V., Stoilov, Yu.Yu., Povstyanov, M.V. Imitrines. I. A new class of laser dyes in the visible range 1-28671
- Kruglov, N.V. *see* Konstantinov, V.E. 1-48013
- Kruglov, V.V. *see* Alekseev, G.D. 1-52706
- Krukovskii, L.E., Petlenko, B.I. Vibratory linear asynchronous electric motor 1-52610
- Krukowski, W.C. *see* Gasiorowski, A.K. 1-44108
- Krull, R. *see* Dehoff, A. 1-32965
- Krullmann, E. Pattern shift and structure reproduction with low pressure epitaxy on (100) and (111) Si-substrates 1-39806
- Krumm, L.A. *see* Gamm, A.Z. 1-30645
- Krummenacher, F., Vittor, E., Degrauwe, M. Class AB CMOS amplifier for micropower SC filters 1-40095
- Krumpholtz, G.R. *see* Clements, K.A. 1-34828, 1-38707
- Krupanidni, S.B. *see* Mansingh, A. 1-46352
- Krupicka, V. Direct grinding of optical fibres 1-46522
- Krupitskii, E.I. *see* Buchin, A.V. 1-41153
- Krupke, H. *see* Hartig, G. 1-34191
- Krupnov, V.E. *see* Volkov, B.S. 1-52722
- Krupnov, V.E. *see* Zhurkin, V.V. 1-52721
- Krupovich, V.I. Development of electric power for industry 1-30585
- Kruse, G.S. *see* Hackley, D.S. 1-28380
- Kruse, H.W., Loncoski, R., Mack, J.M. Antineutrino detector for  $\bar{\nu}$  oscillation studies at fission weapon tests and at LAMPF 1-34474
- Kruse, P.W. Why the military interest in near-millimeter wave imaging? 1-46892
- Krusius, P., Dube, C., Frey, J. Interface polarization in silicon on sapphire 1-32707
- Kruska, M., Steinemer, N. Construction features of 3AF vacuum circuit-breakers 1-35284
- Kruska, M. *see* Grosseckthofer, H.-D. 1-39090
- Krusor, B.S. *see* Bachrach, R.Z. 1-45093
- Krutoi, V.P. *see* Bovina, V.Z. 1-49574
- Krutonog, G.L. Rheostatless adjustment of a connecting relay 1-39164
- Kryazhev, V.P. *see* Kochemasov, V.N. 1-41723
- Kryder, M.H., Argyle, B.E. Dynamic properties of charged walls in ion implanted garnets 1-46397
- Kryder, M.H. *see* Gallagher, T.J. 1-28274
- Krylov, P.S. *see* Kapralov, V.P. 1-41056
- Krymov, A.B. *see* Petrov, B.N. 1-38547
- Kryshev, A.P., Smenisty, K.S. Analysis of error in high-speed averaging device for rectifying system equipment 1-42499
- Kryshkin, V.I. *see* Alekseev, A.V. 1-52742
- Kryshpov, V.G. *see* Turik, A.V. 1-28166
- Krysinski, I. Synchronized filter in silicon-controlled rectifier power supplies 1-32177
- Kryskow, J.M., Miller, C.K. Local area networks overview. I. Definitions and attributes 1-29268
- Kryskow, J.M., Miller, C.K. Local area networks overview. II. Standards activities 1-33787
- Kryzhanovskaya, R.I. *see* Teodorovich, O.K. 1-50336
- Krzemien, J. Testing and assessment of HF-line traps in carrier telephony and teleprotection transmission lines 1-29584
- Krzyszczak, J. Electrical drives on a revolving luffing crane at Freudenberg 1-31744
- Krzyminski, L. On frequency independent measurement of magnetic flux of induction motors energized at controlled frequency 1-53460
- Krzysztofik, W., Sztajer, J. Generation of second harmonic in circuits with non-linear resistance 1-27565
- Krzywaznia, A. An RC-generator producing short-time transient harmonic oscillation 1-52424
- Krzyzagorski, M. Analysis of homogeneously and heterogeneously magnetized circular and ring-shaped junction structures of integrated circulators 1-45599
- Krzyzanowski, R.V. *see* Burke, M.F. 1-29328
- Kshirsagar, A.M. *see* Radhakrishnan, R. 1-39542
- Kshirsagar, A.M. *see* Wheeler, N.C. 1-44857
- Kshnyakin, N.A. Estimation of the limiting error of measurement of transient insertion parameters 1-36023
- Ksiazek, J. An autoranging system for digital voltmeters with an LSI integrated circuit 1-52512
- Ksiazek, J. *see* Bialkiewicz, Z. 1-53071
- Ksienski, A.A. *see* Moffatt, D.L. 1-41202
- Ktalkherman, M.G., Mal'kov, V.M., Ruban, N.A. Effect of gasdynamic perturbations in a supersonic flow on the optical properties of an inverse CO<sub>2</sub>-gasdynamic-laser medium 1-37056
- Ktonas, P.Y., Luoh, W.M., Kejarawal, M.L., Reilly, E.L., Seward, M.A. Computer-aided quantification of EEG spike and sharp wave characteristics 1-48711
- Ku, W.H. *see* Chao, P.C. 1-46135
- Ku, W.H.-M., Hailey, C.J. Properties of an imaging gas scintillation proportional counter 1-34466
- Ku, W.H.-M. *see* Hailey, C.J. 1-43265
- Ku Fu Kian *see* Fu Kian Ku
- Kua-Kuang Liu *see* Karim, M.A. 1-37643
- Kuang-Lu Lee, Monticelli, D. Velocity of a DC motor controlled by a single IC amplifier 1-44314
- Kub, F. *see* Borusk, G.M. 1-42586
- Kubacsi, M.C. *see* Tsang, L. 1-41220
- Kubalski, W. *see* Jensch, P. 1-48696
- Kubarych, K. *see* Belli, Y. 1-28227
- Kubena, R.L., Anderson, C.L., Seliger, R.L., Julens, R.A., Stevens, E.H. GaAs MESFET fabrication using maskless ion implantation 1-36630
- Kuberg, D.W. Solar ponds in the region served by the Tennessee Valley Authority 1-31122
- Kubesch, R. *see* Ostertag, H. 1-34587
- Kubfer, H., Hecht, G. Selective deposition by means of molecular beams 1-35975
- Kubiak, B. Digital measurement results classification circuit used in the preset C-meter Type Z-935/ITR 1-48159
- Kubicek, B. Cierny Vah pumped-storage hydroelectric power plant 1-31093
- Kubicek, B. Cierny Vah pumped storage hydroelectric power plant 1-31097
- Kubicek, Z. Exciting an optical gradient index fibre 1-28473
- Kubicek, R.F. *see* Kirlin, R.L. 1-41660
- Kubin, M. Low-calorific heat supply from the viewpoint of primary resources 1-39210
- Kubina, S.J. *see* Belrose, J.S. 1-41415
- Kubina, S.J. *see* Trueman, C.W. 1-51630
- Kubitz, W.J. *see* Suwa, I. 1-45423
- Kubla, V. *see* Hoschi, P. 1-39741
- Kubler, K. *see* Hertneck, K. 1-43627
- Kubler, W. *see* Ostertag, H. 1-34587
- Kubli, R. Computerised quality control: an overview 1-50032
- Kubo, A. *see* Sunahara, Y. 1-41679
- Kubo, M. Cooperative efforts lead to innovation in automatic chip components mounting systems 1-39402
- Kubo, T. Some topics of instrumentation in obstetrics 1-38478
- Kubo, T. *see* Akatsuka, T. 1-30433
- Kubo, T. *see* Baba, H. 1-48283
- Kubo, T. *see* Fukunami, M. 1-43361
- Kubo, T. *see* Mitsunobu, S. 1-42828
- Kubo, Y. *see* Tsuchiya, K. 1-43425
- Kubodera, K. *see* Nakano, J. 1-46711
- Kubota, C. *see* Fukumoto, S. 1-43049
- Kubota, C. *see* Mori, Y. 1-43151
- Kubota, E., Sugii, K. Preparation of high-purity InP by the synthesis, solute diffusion technique 1-39733
- Kubota, H., Tsujii, S. An upper bound on the RMS value of limit cycles in digital filters and a reduction method 1-32355
- Kubota, H., Yoshida, T., Tsujii, S. A consideration on limit cycles due to value-truncation errors in digital filters 1-45538
- Kubota, J. TNC connectors meet new performance criteria 1-32487
- Kubota, K. *see* Fujiwara, M. 1-33218
- Kubota, M. Stack assembly of printed circuit cards 1-50667
- Kubota, S.P. Word and digital data generators: description technologies and applications 1-45328
- Kubota, S.P. Word and data generators—techniques and applications 1-50486
- Kubota, S.P. Digital word and data generation 1-52490
- Kubota, S.P., Fagg, W.L. Digital bus analyzer for B-757/767 1-34202
- Kubota, T., Kushimoto, S. Visual observation of internal flow through high-head pump-turbine 1-49340
- Kubota, Y. *see* Ogasawara, T. 1-28294, 1-28366
- Kubusch, M. *see* Brendler, W. 1-49530
- Kubzdela, S., Weglinski, B., Richter, C. Permanent magnet microminiature DC motors with large armatures based on unusual magnetic materials 1-53480
- Kucera, J. Electric strength of spark gaps during oscillating voltage impulses 1-43779
- Kucera, J., Schubert, H. The effect of air humidity on the flashover of insulator chains and on the spark gap 1-30782
- Kucera, J. *see* Dietrich, M. 1-53148
- Kuchar, A. Some information on the research of space communications implemented in the Interkosmos programme in Czechoslovakia 1-42222
- Kuchar, A. *see* Zima, V. 1-50545
- Kuchel, F.M., Tiziani, H.J. Real-time contour holography using BSO crystals 1-46809
- Kuchela, K.S. Electronics for shaft encoder 1-52730
- Kuchero, Ya.R., Pustogarov, A.V., Khalboshin, A.P. Study of work function and structure of tungsten cathodes 1-36425
- Kucheryavenko, A.I. *see* Pavel'yev, A.G. 1-46895
- Kuchikyan, L.M. *see* Panchenko, V.B. 1-40926
- Kuchinskii, P.V., Lomako, V.M., Petrunin, A.P. Device measuring time constant of charge relaxation for capacitive spectrometer 1-42569
- Kuchinskii, V.I. *see* Akhmedov, D. 1-28730, 1-28731
- Kuchment, P.A. Floquet theory for parabolic and elliptic boundary-value problems in a cylinder 1-50085
- Kuchnir, M., Walker, R.J., Fowler, W.B., Mantsch, P.M. Spool piece testing facility 1-48393
- Kuchnir, M. *see* Fowler, W.B. 1-28392
- Kuchuk-Yatsenko, S.I., Bogorskii, M.V., Denisenko, N.A., Ochod'ko, V.I. An investigation into the effectiveness of longitudinal-capacitive compensation for optimising the technology for running rail welding machines 1-44527
- Kuchuk-Yatsenko, S.I., Sergeev, L.S. Calculating the power parameters of the welding conditions for flash welding ring-shaped blanks 1-49833
- Kuchynka, K., Preuss, A. Electronic counters facilitate time measurement 1-52590
- Kucinski, J. Trends of development of semiconductor devices in Poland 1-26923
- Kuczera, M. The present state of solar technology 1-31447
- Kudarauskas, S. Energy efficiency of the oscillating synchronous machines of various types 1-49430
- Kudjak, V. *see* Mocik, B. 1-36237
- Kudo, A., Sasabuchi, S., Choi, J.R. Test of equality of normal means in the absence of independent estimator of variance 1-44853
- Kudo, B. *see* Usami, A. 1-32617
- Kudo, I. Development of an electron bombardment ion engine 1-52923
- Kudo, K., Morizumi, T. Photoelectric p-n junction cells using organic dyes 1-46644
- Kudo, M. *see* Namihira, Y. 1-40920
- Kudo, M. *see* Shiki, K. 1-46390
- Kudoh, O., Murao, Y., Kobayashi, K. Channeling of implanted <sup>75</sup>As<sup>+</sup> through Mo films 1-28025
- Kudriavtsev, E.M. *see* Vedenev, A.A. 1-33172
- Kudrin, B.I. A comprehensive technique of analysis of electrical loads 1-35221
- Kudrov, G.N. *see* Polonsky, A.N. 1-39875
- Kudryavtsev, A.A. *see* Fridlyand, M.G. 1-31718
- Kudryavtsev, E.M. *see* Baranov, V.M. 1-32120
- Kudryavtsev, I.M. *see* Balkovets, D.S. 1-35544
- Kudryavtseva, L.F. *see* Gurevich, Yu.E. 1-43502, 1-48926
- Kudyan, H.M., Shih, C.H. A nonlinear circuit model for transmission lines in corona 1-30687
- Kudyan, H.M., Shih, C.H. A nonlinear circuit model for transmission lines in corona 1-38715
- Kudzin, A.Yu. *see* Kostyuk, B.Kh. 1-28557
- Kuebler, W. A procedure for estimating the power pattern of a narrow-beam antenna 1-37359
- Kuech, T.F. The use of Au-Cd alloys to achieve large Schottky barrier heights on CdTe 1-50825
- Kuech, T.F., McCaldin, J.O. Low temperature CVD growth of epitaxial HgTe on CdTe 1-45083

- Kuech, T.F., Maenpaa, M., Lau, S.S. Epitaxial growth of Ge of (100) Si by a simple chemical vapor deposition technique 1-50278
- Kuech, T.F. *see* McCaldin, J.O. 1-35962
- Kuehn, P.J. Performance of ARO-protocols for HDX-transmission in hierarchical polling systems 1-41836
- Kuennig, R.W. *see* Scarpetti, R.D. 1-48415
- Kuenzel, U., Max, E., Trippel, G. Increasing the particle concentration in magnetic storage layers 1-28241
- Kuenzel, U. *see* Kraus, G. 1-40480
- Kuenzle, P., Lindner, R. 3CF load-break switch of modular design 1-49625
- Kueppershaus, R. *see* Falland, C. 1-48315
- Kues, J.R. Providing information to health-care professionals via telecommunications: a case study 1-37777
- Kuester, E.F. *see* Chang, D.C. 1-27605
- Kufa, E.N. *see* Bazarov, G.P. 1-53693
- Kuffel, E., Opydo, W. The influence of electrodes material and of temperature on electric strength of sulphur hexafluoride in uniform field 1-46346
- Kuffel, E., Poltz, J. AC losses in crossbonded and bonded at both ends high voltage cables 1-30745
- Kuffel, E., Poltz, J. AC losses in crossbonded and bonded at both ends high voltage cables 1-34879
- Kuffel, E. *see* Katahoire, A.M.S. 1-28172
- Kugel', Kh.I. *see* Abol'tin'sh, E.E. 1-28845
- Kugler, C.J., Jr., Rudgers, G.E. Kerf testing of embedded structure technologies 1-28058
- Kugler, H. *see* Baribaud, G. 1-42939
- Kugler, H. *see* Blechschmidt, D. 1-42936
- Kugler, J.D. *see* Gillette, P.C. 1-52796
- Kugler, R. *see* Habadank, U. 1-44283
- Kuglin, C.D., Eppler, W.G. Map-matching techniques for use with multispectral/multitemporal data 1-47958
- Kuh, E.S. *see* Marek-Sadowska, M. 1-45769
- Kuh, E.S. *see* Sadowska, M.M. 1-46232
- Kuh, E.S. *see* Tsukiyama, S. 1-45778
- Kuhara, S. *see* Harada, K. 1-32224, 1-45318
- Kuhara, Y. *see* Yamaguchi, T. 1-37236
- Kuhl, D.E. *see* Hoffman, E.J. 1-34578
- Kuhl, J.P. *see* Heinrich, R.F. 1-50685
- Kuhlemeier, K.V., Lloyd, L.K., Stover, S.L. A uroflowmeter for monitoring frequency and volume of urination 1-48686
- Kuhlemeier, K.V. *see* Wilson, T.L. 1-43369
- Kuhle, D., Jetschke, G. Structural instabilities of a ring laser with optical back-scattering 1-51489
- Kuhle, D. *see* Schrotter, S. 1-33252
- Kuhlvetter, J. Determination of the fundamental frequency of speech signals in real time 1-41523
- Kuhn, G. *see* Hobler, H.J. 1-39747
- Kuhn, H.K., Pahud, J.D. The control systems for the CERN super proton synchrotron ring power supplies 1-48287
- Kuhn, M.H. On the word recognition potential of the long term spectrum 1-47144
- Kuhn, M.H., Tomaschewski, H., Ney, H. Fast non-linear time alignment for isolated word recognition 1-41570
- Kuhn, M.H. *see* Geppert, R. 1-29138
- Kuhn, R., Lammle, J. Solution variants for frequency converters for the 12-GHz satellite direct reception 1-47588
- Kuhn, T. Testing of a radiation meter 1-52608
- Kuhn, U., Klose, H. First experience gained with a 18 GHz measurement set used for propagation investigation 1-33357
- Kuhn, W. Two BBC air-conditioning units for international railway coaches 1-35428
- Kuhne, F., Muller, H. Digital multiplex equipment for bit rates of 64 kbit/s to 565 mbit/s 1-42025
- Kuhnel, C. Principles of logarithmic amplifiers 1-27310
- Kuhnel, C. The noise properties of operational amplifiers 1-32208
- Kuhnel, C. Practical problems of linear current-to-voltage converters 1-36312
- Kuhnel, C. On the time response of a logarithmic current voltage converter 1-50605
- Kuhnel, C. *see* Huhnel, U. 1-32389
- Kuhnel, G. *see* Siegel, W. 1-32640
- Kuich, W. On the theory of algebraic systems 1-45039
- Kuijper, C.E.M. *see* de Kuiper, C.E.M.
- Kuiken, H.K. *see* Bollen, L.J.M. 1-27126
- Kuiken, H.K. *see* Van Erk, W. 1-27122
- Kuindersma, P.J., van der Hey, R.M. Dynamic charge measurements on unipolar electrets. The small volume coupler method 1-38286
- Kuizenga, D.J. Short-pulse oscillator development for the Nd:glass laser-fusion systems 1-51416
- Kuizenga, D.J. *see* Speck, D.R. 1-51409
- Kujaszczyk, M. *see* Jujaszczyk, S. 1-53078
- Kujaszczyk, S. Automatic design of electric networks systems 1-53077
- Kujaszczyk, S., Domaszewska, I., Minczuk, A. Language for computer aided design of electrical distribution networks 1-53076
- Kujaszczyk, S., Minczuk, A., Gryko, J. Automatic voltage regulation in distribution networks 1-53079
- Kujaszczyk, S., Truszkowski, A. Automatic design of electric cable lines 1-53109
- Kukekov, G.A. *see* Adon'ev, N.M. 1-44267
- Kukekov, G.A. *see* Buyantuev, S.L. 1-35275
- Kukel', S.E. *see* Chernyshev, A.N. 1-44523
- Kukhta, A.V., Polukhin, A.T. Laser characteristics with consideration for longitudinal inhomogeneity of inversion-medium parameters 1-51318
- Kukhtevich, V.I. *see* Chernyakov, V.N. 1-36537
- Kukhtikov, V.A. *see* Meerovich, E.A. 1-43681
- Kuki, H. *see* Marquez, R.D. 1-34886, 1-43700
- Kukielka, J.F., Meyer, R.G. A high-frequency temperature-stable monolithic VCO 1-27346
- Kukimoto, H. *see* Yoshino, J. 1-32066
- Kuklev, Yu.V. *see* Bron, O.B. 1-44255
- Kuklinski, W.S., Sadasiv, G., Jaron, D. Integrated-circuit bipolar transistor array for fluid-velocity measurements 1-51007
- Kuksanov, N.K. *see* Grishchenko, A.I. 1-30288
- Kuksenko, V.S., Lyashkov, A.I., Savel'ev, V.N. Acoustic emission associated with microcrack inception and growth in steels 1-32122
- Kuksov, P.V. *see* Ganichev, V.A. 1-38418
- Kulagin, A.I. *see* Arsenin, V.V. 1-49669
- Kulakov, M.P., Savtchenko, I.B., Fadeev, A.V. Some properties of melt-grown zinc selenide crystals 1-39735
- Kulakovskii, A.V. *see* Ershov, V.V. 1-36329
- Kulas, C.E. The control of oscillatory modes in a bang-bang tracker 1-39975
- Kulaszewicz, S. Electrical, optical and structural properties of thin films of  $\text{In}_2\text{O}_3/\text{Sn}$  deposited by hydrolysis 1-27152
- Kulawik, M. Stability analysis of boost converter with nonlinear feedback 1-53561
- Kulda, J. Field in a magnetic filter 1-28275
- Kulda, J., Mikula, P., Vrana, M., Michalec, R.T., Vavra, J. A new type of chopper-monochromator for thermal neutrons based on multiple Bragg reflections in one vibrating single crystal 1-30301
- Kulemin, L.G., Leont'ev, G.E., Tamoshyunas, S.I. Device for automatic measurement of half-decay time of a voltage 1-42711
- Kulendik, B. *see* Lanz, O.E. 1-38801
- Kuleshov, V.N., Levchenko, G.M. Investigation of periodic motions of the second kind in systems of impulse atomic phase control (APC) 1-32226
- Kuleshov, V.N., Neustroev, S.N., Ovcharenko, A.I., Solov'ev, A.K. Nanosecond pulse shaping 1-36150
- Kuleshov, V.N. *see* Bereznyak, I.P. 1-39994
- Kuliev, V.A. *see* Alekperov, S.A. 1-32636
- Kuliev, V.A. *see* Isaev, F.K. 1-33085
- Kulig, T.S. *see* Berger, H. 1-53372
- Kulikov, A.V. *see* Burq, J.P. 1-52679
- Kulikov, B.P. Reliable connection circuits for contactless limit switches 1-36384
- Kulikov, E.L., Gubenkov, A.N., Kazankin, L.K. A variational method for design of piezoelectric devices 1-32923
- Kulikov, G.D. *see* Pinchuk, I.S. 1-39242
- Kulikov, S.V. Computations of  $\text{CO}_2$  gasdynamic laser power performed under different stationary generation conditions 1-28630
- Kulikov, S.Yu. *see* Babichev, A.P. 1-51380
- Kulikov, V.F. *see* Gross, L.G. 1-34317
- Kulikov, V.I. *see* Panfilov, G.G. 1-38876
- Kulikov, Yu.V. A wideband autotransformer using long-line sections 1-44174
- Kulikova, K.F. *see* Aleksandrov, E.M. 1-27187
- Kulikowski, J., Lesniewski, A. Materials for magnetic heads - selection criteria, possibilities of manufacturing and applications 1-36817
- Kulinich, V.A. *see* Rozenberg, V.I. 1-35525
- Kulinski, J. Wide-band waveguide bends 1-27594
- Kulinski, S. *see* Kraszewski, A. 1-48262
- Kulish, O.F. *see* Chebotarev, E.V. 1-44149
- Kuliyev, Yu.N., Maksudov, F.G. To the theory of electroelastic oscillations of nonsymmetrically loaded piezoceramic rings 1-32902
- Kulkarni, C.P. *see* Narasimhan, R. 1-43579
- Kulkarni, P.P., Sharma, N.V.P., Chandrasekhar, A.S., Wankhede, G.S., Saldhana, G.F. Space simulation chambers: manufacturing and performance aspects 1-52844
- Kulkarni, S.B., Montillo, F.J., Pistor, R.L., Popo-naik, M.R. Evaluation of polysilicon hardware by the use of MOS charge retention 1-40481
- Kulke, B., Ravenscroft, D.S., Vogtlin, G.E. Design and performance of the 1.5 MV injector for FXR 1-48339
- Kul'ko, V.F. Analysis of the inverse case of diffraction of electromagnetic waves 1-28869
- Kull, M. *see* O'Toole, J.E. 1-32292
- Kulla, P. Solving by compromise the clashing demands on the spectrum and light-energy properties of the spectrum division system in a CTV camera by the use of an optimization process 1-42415
- Kuller, H. *see* Gos, W. 1-35430
- Kullig, P., Schierig, S., Weissenberg, W. Experiences with polyethylene as insulating material for medium-voltage cables 1-49108
- Kul'man, N.Yu. *see* Alekseev, A.V. 1-52742
- Kuloor, R. *see* Pappu, S.V. 1-29212
- Kulp, R.W. An optimum sampling procedure for use with the Prony method 1-37490
- Kulshrestha, Y.K., Srivastava, A.P. Photoconduction in dye-sensitized polystyrene films 1-37002
- Kulski, Z. Mathematical model of a system consisting of a voltage inverter with pulse modulation of output voltage and an alternating-current motor 1-31306
- Kul'vaskaya, B.S., Mantrova, G.M., Yakovleva, M.N. An investigation of the thermionic emission of a solid-state lithium ion source under pulsed operating conditions 1-43196
- Kulwicki, P.V. *see* Corrick, G.E. 1-52856
- Kumabe, H. *see* Namizaki, H. 1-37135
- Kumabe, I. *see* Okuma, Y. 1-28857
- Kumagai, N. *see* Morishita, K. 1-33064
- Kumagai, N. *see* Morita, N. 1-46524
- Kumagai, N. *see* Ohira, T. 1-45594
- Kumagai, N. *see* Satomura, Y. 1-40925
- Kumagai, N. *see* Surawatpunya, C. 1-40213
- Kumagai, N. *see* Tsutsumi, M. 1-40824, 1-46991
- Kumagai, S. *see* Wu, F.F. 1-49055
- Kumagi, N., Takeuchi, Y., Endo, K. H-type dipole model for future plan at KEK 1-52645
- Kumaki, S., Sato, T., Jiko, H., Hori, F., Higashiyama, K., Adachi, J. New amplifier techniques 1-34133
- Kumaki, S. *see* Goto, S. 1-34196
- Kumakura, H. *see* Togano, K. 1-28298
- Kumamaru, H. *see* Horima, H. 1-28456
- Kumamoto, H., Henley, E.J., Inoue, K. Signal-flow-based graphs for failure-mode analysis of systems with control loops 1-39443
- Kumamoto, H., Inoue, K. Hazard diagnosis and risk analysis 1-26887
- Kumamoto, T., Takano, H. CAPTAIN System - a new visual information media 1-29403
- Kumano, M. *see* Hanamura, S. 1-29812
- Kumar, A. Attenuation due to accretion of dust and sand on reflector antennas at microwave frequencies 1-41350
- Kumar, A., Chopra, M.G., Kapoor, V.B. A computer algorithm for optimal maintenance of standby redundant systems 1-35673
- Kumar, A., Goldberg, W.I. Unsuccessful attempt to observe unrectified noise and nonlinear behavior in various resistances 1-50630
- Kumar, A., Hosain, S.I., Ghatik, A.K. Propagation characteristics of weakly guiding lossy fibres. An exact and perturbation analysis 1-33047
- Kumar, A., Kapoor, V.B. Optimal maintenance of a two-unit standby redundant system with a generalized cost structure 1-31848
- Kumar, A., Kumar, R. A computer algorithm for the analysis of maintained standby redundant systems 1-35693
- Kumar, A., Lal, R. Availability of a two-unit standby system with switchover time and proper initialization of connect switching 1-31903
- Kumar, A. *see* Agarwal, M. 1-35692
- Kumar, A. *see* Gupta, M.C. 1-49968
- Kumar, A. *see* Mathur, P.C. 1-36496
- Kumar, A. *see* Thyagarajan, K. 1-36962
- Kumar, A.H., Sugerman, A. Paladium silicide contact resistance and yield improvement 1-27966
- Kumar, A.H. *see* Anantha, N.G. 1-45994
- Kumar, B.V.K. Vijaya *see* Vijaya Kumar, B.V.K.
- Kumar, K., Moscaritolo, A. Optical and Auger microanalyses of solder adhesion failures in printed circuit boards 1-27680
- Kumar, K. *see* Majumdar, S. 1-45360
- Kumar, K. *see* Anil *see* Anil Kumar, K.
- Kumar, M., Huang, H.C., Wolkstein, H.J. A dual-gate MESFET variable-gain constant-output power amplifier 1-32216
- Kumar, M., Menna, R.J., Ho-Chung Huang. Broadband dual-gate FET continuously variable phase shifter 1-45693
- Kumar, P. *see* Dawar, A.L. 1-32670, 1-40437
- Kumar, P. *see* Indulkar, C.S. 1-49119
- Kumar, R., Chamberlain, S.G., Roulston, D.J. An algorithm for two-dimensional simulation of reverse-biased beveled p-n junctions 1-36508
- Kumar, R., Roulston, D.J., Chamberlain, S.G. Two-dimensional simulation of a high-voltage p-i-n diode with overhanging metallization 1-32786
- Kumar, R., Roulston, D.J., Chamberlain, S.G. Accurate two-dimensional simulation of double-beveled p-n junctions 1-36509
- Kumar, R. *see* Kumar, A. 1-35693
- Kumar, S. A recurrence relation for solution of singular Volterra integral equations using Chebyshev polynomials 1-35920
- Kumar, S., Chudobiak, W.J., Wight, J.S. Direct generation of MSK modulation at microwave frequencies [using phase-locked microwave oscillators] 1-45344
- Kumar, U. A practically realizable model of a uniformly distributed R-C network (URC) 1-27228
- Kumar, U. High-performance AC preamplifier 1-27318

- Kumar, U.** Useful simple equivalents of uniformly distributed R-C (URC) notch filters 1-27492
- Kumar, U.** Current conveyors: a review of the state of the art 1-32337
- Kumar, U.** A decade range linearly tunable versatile filter 1-45463
- Kumar, U.V.G., Mani, T.A., Narayana, R.V., Ramana, K.V.V.** Planetary scale waves in the low latitude ionosphere 1-46871
- Kumar, V.** *see* Jansson, L. 1-30044
- Kumar, V.R.** *see* Feinberg, I. 1-50013
- Kumar, Y.** *see* Billinton, R. 1-49048
- Kumar Rajendra** *see* Rajendra Kumar
- Kumar Shiv** *see* Shiv Kumar
- Kumaresan, R., Tufts, D.W.** Data-adaptive principal component signal processing 1-29203
- Kumari, S.** *see* Bansal, K.P. 1-36698
- Kumasaka, K.** *see* Ono, K. 1-32470
- Kumasaka, T.** *see* Yamaguchi, M. 1-31289, 1-39036
- Kumata, N., Hane, K., Suzuki, T.** The effect of excess gate current of input impedance of a JFET amplifier 1-36633
- Kumazawa, H.** *see* Homma, Y. 1-47071
- Kumazawa, S., Mitsui, A.** Characterization and optimization of hydrogen photoproduction by a saltwater blue-green alga, *Oscillatoria* SP. Miami BG7. I. Enhancement through limiting the supply of nitrogen nutrients 1-46638
- Kumeda, M.** *see* Shimizu, T. 1-50802
- Kumeda, M.** *see* Suzuki, M. 1-40424
- Kummel, R.** *see* Rauh, H. 1-28029
- Kummer, D.A., Saenz, J.A.** All-points-addressable raster scan graphics for cathode ray tube with dual-ported bit map 1-27762
- Kummer, R.B., Mettler, S.C.** Effects of lightguide manufacturing tolerances and misalignment on splice loss 1-36942
- Kummer, R.B.** *see* Miller, C.M. 1-46558
- Kummer, W.H.** *see* Villeneuve, A.T. 1-52159
- Kummerle, K.** *see* Bux, W. 1-29446
- Kumpan, S.** *see* Bunkenberg, J. 1-51410
- Kumpfert, H.** *see* Degele, D. 1-43142
- Kumpfert, H.** *see* Musfeldt, H. 1-43081
- Kumpfert, H.** *see* Rossbach, J. 1-42785
- Kumysh, E.I.** *see* Kantor, L.Ya. 1-37885
- Kun, A.P.** *see* Privakov, V.V. 1-53727
- Kun, L.A., Lyubich, Yu.I.** Convergence to equilibrium in a polylocus polyalloy population with additive selection 1-29053
- Kun Huang** *see* Huang Kun
- Kun-Ho Kim** *see* Moon-Seok Choe 1-49694
- Kun-Mu Chen** Radar waveform synthesis method—a new radar detection scheme 1-47699
- Kun-Mu Chen, Nyquist, D.P., Westmoreland, D., Che-I Chuang, Drachman, B.** Radar waveform synthesis for target discrimination 1-52134
- Kun-Mu Chen, Westmoreland, D.** Impulse response of a conducting sphere based on singularity expansion method 1-37299
- Kun-quan Lu, Stern, E.A.** Johann and Johansson focusing arrangements: analytical analysis 1-34531
- Kun-Shan Lin, Goudie, K.M., Frantz, G.A., Brantingham, G.L.** Text-to-speech using LPC allophone stringing 1-41539
- Kun-Shan Lin, Ying L.** Tsui LPC compressed speech at 850 bits-per-second 1-37438
- Kunath, H.** Spark quenching on switch contacts 1-27655
- Kunath, H.** Reactive power sources and compensation 1-30606
- Kunath, H.** Electric motor capacitor designations and use 1-50639
- Kunde, M.** *see* Dunnebieg, G. 1-48080
- Kundur, P.** A survey of utility experiences with power plant response during partial load rejection and system disturbances 1-43771
- Kundur, P.** A survey of utility experiences with power plant response during partial load rejection and system disturbances 1-49264
- Kundur, P.** *see* Dandeno, P.L. 1-35134, 1-35137, 1-38951, 1-38953
- Kundur, P.** *see* Morched, A.S. 1-49046
- Kundzewicz, Z.** Electrical analogies for modelling hydrological systems 1-27235
- Kunert, H., Kalkreuth, D.** Combustibility parameters in town gas manufacture with reference to gas distribution and application problems 1-53855
- Kung, H.T.** Special-purpose devices for signal and image processing: an opportunity in very large scale integration (VLSI) 1-41699
- Kung, J.K.** *see* Chang, K. 1-40538
- Kung, J.P.S.** The cycle structure of a linear transformation over a finite field 1-39486
- Kung, R.I.** *see* Abbott, R. 1-45357
- Kung, R.T.V.** Multiple pass stimulated Raman conversion with pump depletion 1-33272
- Kung Sun-Yuan** *see* Sun-Yuan Kung
- Kuni, A.** *see* Koizumi, M. 1-50990
- Kunicki, J.** *see* Baykowski, J. 1-28088
- Kunieda, T.** *see* Dohi, Y. 1-32344
- Kunii, T.** *see* Ishikawa, K. 1-34081
- Kunikane, T.** *see* Iga, K. 1-46762
- Kunikane, T.** *see* Moriki, K. 1-46735
- Kunioka, A.** *see* Hirose, Y. 1-36583
- Kunioka, A.** *see* Kamimura, K. 1-35352
- Kunioka, A.** *see* Nagata, Y. 1-27781
- Kunita, M.** *see* Takanashi, H. 1-37905
- Kunitomo, K.** *see* Sumida, S. 1-46678
- Kunitsyn, V.Ye.** *see* Gusev, V.D. 1-28920
- Kunji Chen** *see* Chen Kunji
- Kunkler, E.W., Pedroza, G.C.** Module with removable heat transfer members 1-31885
- Kuno, A.Ya.** Digital signal processing in real time on low-performance computers 1-32044
- Kunowski, W., Groszynski, J.** DC motor drive for the machine tables 1-53838
- Kunstreich, S., Nove, M.C.** Electromagnetic stirring in secondary cooling of continuous casting of billets and blooms 1-53811
- Kuntzleman, H.** *see* Chai, H.D. 1-26953
- Kuntzleman, H.C., Pike, J.W., Sambucetti, C.J.** High efficiency MMP for printing at low power without using drivers 1-49847
- Kuntzsch, S.** Use of the carrier frequency system Z 12 TP in the area served by the Swabian electricity supply undertaking 1-42153
- Kunz, B.** *see* Kaltschmidt, G. 1-30430
- Kunz, H.A.** Electrostatic charging and simulation of the discharging process 1-46825
- Kunz, H.O.** *see* Lagade, R. 1-38064
- Kunz, K.E.** Orbit transfer propulsion and large space systems 1-34674
- Kunz, M.G.** *see* Pan, J.J. 1-37931
- Kunze, W.** *see* Saritschew, G. 1-53496
- Kunzel, H., Dohler, G.H., Fischer, A., Ploog, K.** Modulation of two-dimensional conductivity in a molecular beam epitaxially grown GaAs bulk space-charge system 1-27796
- Kunzel, H.** *see* Ploog, K. 1-27120, 1-40438
- Kunzel, W., Knierim, W., Durr, U.** CW infrared laseration of optically pumped  $\text{Co}^{2+}:\text{KZnF}_3$  1-28687
- Kunzinger, F.F.** A new power system for TD-2 microwave radio 1-42189
- Kunzler, D.** *see* Egli, F. 1-53785
- Kuo, C., Gray, P.R.** A low-noise chopper-stabilized differential switched-capacitor filtering technique 1-27518
- Kuo, F.F. (editor)** Protocols and techniques for data communication networks 1-49868
- Kuo, Y.Y.** Beam dynamics in the radio frequency quadrupole 1-48420
- Kuo Heng Li** *see* Heng Li Kuo
- Kuo Huei Pei** *see* Huei Pei Kuo
- Kuo Pen-yu, Sanz-Serna, J.M.** Convergence of methods for the numerical solution of the Korteweg-de Vries equation 1-39677
- Kupczyk, A.** A L-band transistor amplifier with very low noise figure 1-27314
- Kuper, P.-F., Gruden, D.O.** Development state of a simple procedure to control the exhaust emission of vehicles in use 1-38602
- Kuperberg, M.Ya., Novikov, Ya.M.** Determination of electrical loads of equipment under irregular operating conditions 1-35533
- Kuperstein, M., Whittington, D.A.** A practical 24 channel microelectrode for neural recording in vivo 1-30438
- Kupersztich, J.** Electron in the classical external field of a plane electromagnetic wave: high-energy limits 1-51571
- Kupfer, H.** *see* Meier-Hirmer, R. 1-28301
- Kuphal, E.** Preparation and characterization of LPE InP 1-39796
- Kuphal, E.** *see* Nickel, H. 1-46100
- Kupier, B.** *see* Baribaud, G. 1-42939
- Kupperman, D.S., Reimann, K.J., Winiecki, A.** Computer-assisted spatial averaging for ultrasonic inspection of stainless steel welds 1-50349
- Kuppers, H.-W.** *see* Godde, E. 1-53160
- Kuppurajulu, A.** *see* Krishnaparandhama, T. 1-30630
- Kuprianov, Yu.V.** *see* Bocharov, V.I. 1-49486
- Kuprievskii, V.L., Baklanov, R.N.** Photoelectric proximity gauge measures vibration amplitude 1-48270
- Kuprikova, N.D.** *see* Fialkov, A.S. 1-43190
- Kupris, A.** *see* Gerashchenko, O.A. 1-42625
- Kupriyanov, M.Yu., Lukichev, V.F.** Steady-state properties of a quasi-one dimensional variable-thickness bridge 1-28316
- Kupriyanova, N.G., Nikitin, V.V., Semenov, G.I.** Investigation of the polarization of the emission of injection pulsed lasers 1-37149
- Kupsch, E.** *see* Andernach, H.F. 1-35502
- Kuptis, J.D.** *see* Tomkiewicz, Y. 1-27715
- Kuptsova, G.Z.** *see* Arkhipova, T.A. 1-48000
- Kur, J.** Measuring techniques for the antifriction bearing industry 1-42743
- Kurahashi, A.** *see* Matsushima, H. 1-34156
- Kurahashi, K., Sato, S., Murase, K.** Vertical self-shift plasma display 1-42538
- Kurahashi, K., Yagishita, K., Fukushima, N., Kobayashi, H.** An outdoor large screen color display system 1-48176
- Kurahashi, Y.** *see* Sakaguchi, T. 1-44550
- Kurakado, M., Mazaki, H.** Possibility of a high-resolution nuclear radiation detector using a superconductor. I. Mean energy loss per excess quasiparticle 1-48587
- Kurakado, M., Mazaki, H.** Possibility of a high-resolution nuclear radiation detector using a superconductor. II. Tunnel junction 1-48588
- Kurakami, O.** *see* Tsujide, T. 1-27473
- Kurakin, A.V.** *see* Vasil'ev, S.V. 1-49746
- Kurakov, P.S.** Selection of the parameters of an intersatellite communication link 1-37886
- Kuramitsu, M., Takase, F.** A new approach for the analysis of multimode oscillators based on the averaged potential 1-45325
- Kuramochi, K.** *see* Morisue, M. 1-45218
- Kuramochi, N.** *see* Oura, N. 1-46357
- Kurashov, V.N., Marchenko, S.N., Khoroshkov, Yu.V.** Optical realization of non-linear and space-variant 1-D transformations 1-41810
- Kurata, H.** *see* Hamasaki, T. 1-39817
- Kurata, H.** *see* Hirose, M. 1-45105
- Kurata, K., Ono, Y., Ito, K., Mori, M., Sano, H.** An experimental study on improvement of performance for hemispherically shaped high-power IREDS with  $\text{Ga}_{1-x}\text{Al}_x$  grown junctions 1-28595
- Kurata, M.** *see* Azuma, M. 1-40571
- Kuratev, I.I.** *see* Denker, B.I. 1-28693
- Kurauchi, N.** *see* Takata, H. 1-46547
- Kurayev, A.A., Shestakovich, V.P.** Generation and amplification of electromagnetic waves by relativistic electron beams in an inhomogeneous magnetic field 1-40355
- Kurazono, S.** *see* Shinonaga, H. 1-40204
- Kurbatov, E.M.** *see* Ismailov, I.M. 1-32669
- Kurbatov, L.N.** *see* Denisenko, V.V. 1-34089
- Kurbatov, P.F.** *see* Krivoshechekov, G.V. 1-33264
- Kurbis, K.-H., Behrens, R.** The COLOTRON and COLORETT colour TV receivers 1-34062
- Kurdyukov, A.P.** *see* Dyn'kin, V.N. 1-29100
- Kure, T.** *see* Nakamura, T. 1-28098
- Kurejick, V.M.** *see* Kienast, W. 1-40652
- Kurematsu, A.** *see* Haseike, K. 1-29511
- Kurematsu, A.** *see* Yato, F. 1-33580
- Kurenkov, Ye.F., Sedakov, Yu.Ye., Shcherbakov, V.V.** Simulation of computers on cylindrical magnetic domains. I. The language of the simulation 1-46441
- Kurennyi, E.G., Treger, M.B., Kolomytsev, A.D.** A storage-type meter for nonisotoidal supply voltages 1-34955
- Kuribayashi Shin-ichi** *see* Shin-ichi Kuribayashi
- Kurihara, H., Katoh, T., Komizo, H., Nakamura, H.** Carrier recovery circuit with low cycle skipping rate for CPSP/TDMA systems [satellite communications] 1-47228
- Kurihara, H., Watanabe, Y., Okajima, M., Iida, S., Motegi, N.** Twin mesa substrate GaAlAs laser [LPE growth] 1-37151
- Kurihara, I., Hirai, N., Sekine, Y.** Analysis of asymmetrical fault on the system compensated by static voltage stabilizer 1-34747
- Kurihara, I., Ikoma, M., Ishihara, K., Kimura, K., Sekine, Y.** Improvement of power system stability using static voltage stabilizer 1-34748
- Kurihara, R.** *see* Miyazaki, N. 1-43875
- Kurihara, S., Funaki, T., Goboy, Y., Ohki, A.** STOC-101 administration program 1-33771
- Kurihara, S.** *see* Suzuki, N. 1-33768
- Kurihara, Y.** Multi-pen recorder with pen-gap compensator 1-42661
- Kurik, M.V., Manzhara, V.S., Rogacheva, S.S., Sirotkina, E.E.** Influence of impurities on the electrophotographic properties of polyvinylcarbazole 1-37016
- Kuriki, K., Nakamura, K., Morimoto, S., Enya, S., Kisaragi, T., Sasao, Y., Suzuki, H.** Development and flight performance test of MPD thruster system 1-30529
- Kuriki, S.** *see* Konishi, H. 1-40789
- Kuriklin, V.V., Mironov, A.F.** Characteristics of switched filters 1-50553
- Kurilov, G.V., Afendikov, A.E., Pyzhov, S.I.** Utilization of secondary energy resources for heating and cooling in rolling mills 1-49828
- Kurilov, V.F.** Potier inductive reactance in active load regimes 1-35130
- Kurishima, S.** *see* Odawara, G. 1-32493, 1-45424
- Kurisu, V.** *see* Fullwood, L. 1-27702
- Kurita, H.** *see* Meguro, T. 1-46071
- Kuritsyn, N.A.** *see* Vereshchagin, I.P. 1-41193
- Kuriyama, K.** *see* Kamijoh, T. 1-40434
- Kurjanowicz, D., Zdanowski, M.** Some problems of CMOS LSI integrated circuits design 1-36681
- Kurki, J.A.** Receiver electronics for the optical time domain reflectometer 1-52594
- Kurki-Suonio, I.** The Finnish energy policy programme 1-53163
- Kurkjian, C.R., Rast, H.** Recent progress in the strength of fibres 1-36898
- Kurkjian, C.R.** *see* Krause, J.T. 1-28442
- Kurkov, I.N.** *see* Azimov, E.I. 1-36442
- Kurmashev, Sh.D.** *see* Vikulin, I.M. 1-33144
- Kurnayev, O.V.** *see* Ageyev, A.I. 1-42866
- Kurnit, N.A.** *see* Monchalin, J.-P. 1-28758
- Kurnosov, V.D.** *see* Goldobin, I.S. 1-37147
- Kurobe, T.** *see* Noda, T. 1-40430
- Kuroda, E., Matsuda, M., Maki, M.** Causes of thickness non-uniformity in silicon ribbon crystals [for solar cells] 1-45075
- Kuroda, E.** *see* Matsubara, S. 1-44366
- Kuroda, H.** *see* Mori, A. 1-43892
- Kuroda, J., Kato, Y.** Diffraction effect due to optical noise sources in a glass laser system 1-51507

- Kuroda, J.**, Yoshida, K., Kato, Y., Yamanaka, C. Performance of GEKKO XII Module glass laser system 1-51431
- Kuroda, J.** *see* Yamanaka, C. 1-51412
- Kuroda, K.**, Sillou, D., Takeuchi, F. New type of position sensitive photomultiplier 1-38436
- Kuroda, K.** *see* Suzuki, T. 1-47054
- Kuroda, M.** *see* Kamihashi, S. 1-27618
- Kuroda, M.** *see* Takahashi, T. 1-35968
- Kuroda, M.** *see* Watanabe, K. 1-52060
- Kuroda, S.** *see* Niina, T. 1-46657
- Kuroda, S.** *see* Ogirima, M. 1-32877
- Kuroda, T.** *see* Inoue, K. 1-40844
- Kuroda, T.** *see* Matsueda, H. 1-46562
- Kuroda, T.** *see* Okamura, H. 1-48565
- Kurogi, Y.** *see* Endo, N. 1-46313
- Kurogi, Y.** *see* Suzuki, K. 1-51021
- Kuroiwa, M.** Newly developed railway system and components of the Hokuso rapid railway and its operational state 1-49750
- Kuroiwa, Y.**, Kosugi, M. Car body assembly line 1-53816
- Kurokawa, F.** *see* Matsuo, H. 1-49581
- Kurokawa, K.** *see* Ihara, M. 1-28085
- Kurokawa, M.** *see* Murata, K. 1-29905, 1-29907
- Kurokawa, M.** *see* Ookubo, K. 1-28933
- Kurokawa, S.** *see* Ikeda, H. 1-42966, 1-42967
- Kurokawa, S.** *see* Ohgushi, Y. 1-37929
- Kurokawa, T.**, Yoshizawa, T., Nara, S., Katayama, Y. Precision moulded fibre connector using an electroformed cavity 1-51168
- Kurokawa, T.** *see* Takato, N. 1-33025
- Kurosawa, I.**, Nitta, M. A two-Josephson-junction memory cell with nondestructive readout 1-40865
- Kurosawa, K.**, Tsuji, S. Considerations on diameter of communication networks 1-41850
- Kurotori, S.** Development research of ATS-P type system 1-49753
- Kurozaev, V.P.** *see* Vainberg, E.I. 1-45147, 1-45148
- Kurshan, R.P.** *see* Benes, V.E. 1-51870
- Kurstedt, H.A.**, DePorter, E.L., Turck, J.L. Trends in program management techniques 1-31812
- Kurtsev, N.D.**, Antsyferov, S.S. Analysis of thermal images 1-38484
- Kurth, R.R.** Frequency-uncertain fading channel reception of diversity FSK transmissions 1-29619
- Kurtz, L.** *see* Kadar, I. 1-33676
- Kurtzberg, J.M.** *see* Frisiani, A.L. 1-45392
- Kuruber, J.H.** *see* Bonds, M.R. 1-52040
- Kuruganty, P.R.S.**, Billinton, R. Protection system modelling in a probabilistic assessment of transient stability 1-43786
- Kuruganty, P.R.S.** *see* Billinton, R. 1-43563
- Kurumada, K.** *see* Asai, K. 1-46158
- Kurumada, K.** *see* Ino, M. 1-36690
- Kurumada, K.** *see* Ishii, Y. 1-36626
- Kurushin, Ye.P.** *see* Glushchenko, A.G. 1-46978
- Kurz, G.**, Kostner, R. Outer and inner frequency response compensation with operational amplifiers 1-39949
- Kurz, L.** *see* Kavehrad, M. 1-29074
- Kurz, M.G.** Long-term planning of large district heating and district cooling system 1-30964
- Kurz, R.** The fully automatic EMX 1010 ALBIS private telex branch exchange 1-42065
- Kurz, R.A.** Detect transformer failures before they happen 1-44133
- Kurzfeld, A.**, Worsnip, D. The academic contribution to electronics research 1-36659
- Kusaba, A.** *see* Kitani, Y. 1-42105
- Kusaka, M.**, Hirai, M., Okazaki, S. Correlations between the change in capacitance caused by piezoelectric effect and the surface states in III-V compound MOS diodes 1-50846
- Kusakawa, H.**, Suyama, K., Okamura, S., Fukuta, M. Planar GaAs ICs using multiple localized ion-implantation 1-46316
- Kusama, K.** *see* Kyusojin, A. 1-42505
- Kusano, K.**, Nishida, S. Analysis of anisotropic single mode fibers 1-40918
- Kusano, K.**, Nishida, S. Polarization properties of optical waves in a twisted elliptical fiber 1-40919
- Kusano, T.**, Soda, S., Fujiwara, Y., Kinoshita, S. Practical use of 'siolap' insulated oil-filled cables 1-49118
- Kuschnerus, M.J.** Ford engineering computer network 1-39246
- Kushibiki, J.**, Maehara, H., Chubachi, N. Acoustic properties of evaporated chalcogenide glass films 1-32659
- Kushibiki, J.**, Ohkubo, A., Chubachi, N. Linearly focused acoustic beams for acoustic microscopy 1-48910
- Kushimoto, S.** *see* Kubota, T. 1-49340
- Kushkulei, L.M.** *see* Mel'kanovich, A.F. 1-38624
- Kushner, H.J.** Stochastic approximation with discontinuous dynamics and state dependent noise: w.p.1 convergence 1-27071
- Kushner, H.J.**, Huang, H. Diffusion approximations for the analysis of digital phase-locked loops 1-32238
- Kushner, M.J.** A self-consistent model for high repetition rate copper vapor lasers 1-51344
- Kushnir, V.I.** *see* Spektor, A.A. 1-31949
- Kushnir, Yu.A.** *see* Kosvintsev, Yu.Yu. 1-38458
- Kusic, G.** *see* Koronides, A.G. 1-44066
- Kuskov, I.A.** *see* Leonkov, A.M. 1-35048
- Kuslik, A.B.** Calculation of the Natural Q of a cavity resonator 1-40225
- Kusmirek, Z.** Application of the analogue computer MEDA for power measurement of a model network with non-sinusoidal current and voltage curves 1-49188
- Kusolitsch, N.** On a re-sampling problem in the theory of information 1-37387
- Kusraev, A.G.** A general method of subdifferentiation 1-35895
- Kussin, G.**, Seidl, R. Test programs for the APE A64S 1-42064
- Kuster, K.H.** *see* Dickerson, P.J. 1-29538
- Kusterer, W.** A clock-driven logic simulation program for efficient simulation of LSI-circuits on a minicomputer 1-45409
- Kusters, J.A.** *see* Adams, C.A. 1-36729
- Kustom, R.L.** Thyristor networks for the transfer of energy between superconducting coils 1-39317
- Kustom, R.L.** Intense pulsed neutron sources 1-48554
- Kustom, R.L.** *see* Kim, S.H. 1-28371
- Kusuda, T.** *see* Honda, S. 1-46462
- Kusumegi, A.**, Kondo, K., Watase, Y., Yoshimura, Y., Miyake, K. Thallium formate heavy liquid counter 'HELICON' as a total absorption calorimeter 1-48580
- Kusunoki, A.** *see* Ohke, S. 1-46565
- Kusunoki, K.** *see* Mori, T. 1-45679
- Kusunoki, S.** *see* Aomine, T. 1-46472
- Kusunoki, Y.**, Taniguchi, M. A continuity property of holomorphic differentials under quasiconformal deformations 1-31956
- Kusuoka, H.** *see* Shimazu, T. 1-43325
- Kutamara, N.** *see* Shen, J. 1-39801
- Kutasevich, V.P.** *see* Martensen, S.I. 1-47344
- Kutch, G.**, Tittle, L.R. Multilayer ceramic via hole location inspection fixture and technique 1-26954
- Kutdusov, A.V.** *see* Kapitsa, M.L. 1-32539
- Kutenin, Yu.D.** *see* Bragin, N.V. 1-45853
- Kuti, Cs.** *see* Bakos, J.S. 1-46573
- Kutik, M.** Electronic methods of measuring deviations from laser beam determined direction 1-30258
- Kutovoi, Yu.N.** *see* Klepikov, V.B. 1-31550
- Kutschera, J.**, Barthel, G., Dudeck, J., Bernhardt, F., Meinke, K. The microprocessor based Giessen ECG system: first results on the validation of the realtime rhythm monitoring section 1-43352
- Kutschera, J.**, Dudeck, J., Barthel, G., Bernhardt, F., Dewald, W., Hellrung, W. ECG analysis by microcomputer—a new hardware technology implies an improvement in diagnostic and operational capabilities and strategies 1-52782
- Kutschera, W.** *see* Henning, W. 1-42856
- Kutschera, W.** *see* Yntema, J.L. 1-43135
- Kutsenko, O.K.**, Pogribnoi, V.A. Amplitude restoration of superposed exponential pulses in random streams 1-37519
- Kutsepko, O.K.** *see* Dragan, Ya.P. 1-27766
- Kutsevlyak, P.I.** *see* Bilenko, D.I. 1-36507
- Kuttner, H.** *see* Hauschild, W. 1-47873
- Kuttner, J.** *see* Wach, P. 1-34569
- Kutty, A.P.G.** *see* Sinha, B.K. 1-33209
- Kutyarkin, S.B.**, Shindov, V.S. Utilization of random signals for measuring ADC error characteristics 1-32382
- Kuul'v, V.S.** *see* Egorov, V.V. 1-43881
- Kuusisto, S.**, Aura, M. Telex—electronic correspondence for more than 35 years 1-29402
- Kuvaldin, A.B.**, Sal'nikova, I.P. The electromagnetic wave in a ferromagnetic plate 1-44484
- Kuvas, R.** Gallium arsenide: slow start for sprinter 1-28054
- Kuvayev, V.M.**, Permyakov, V.A. Radiation from an axial slot in a circular cylinder, surrounded by a two-dimensionally inhomogeneous dielectric layer 1-47026
- Kuvshinov, I.A.** *see* Gromov, V.S. 1-31709
- Kuyrkina, T.N.** *see* Granovskii, V.I. 1-49711
- Kuwa, S.** *see* Saito, K. 1-49010
- Kuwabara, H.** Perception of two and three-vowel sequences with various time-varying patterns of formant frequencies 1-51802
- Kuwabara, K.** *see* Awoyama, K. 1-47769
- Kuwabara, N.** *see* Sakamoto, S. 1-44573
- Kuwabara, T.** *see* Nakajima, H. 1-47754
- Kuwahara, H.**, Goto, M. Generation of harmonic distortion at fibre connectors 1-51164
- Kuwahara, H.** *see* Nitta, T. 1-36715, 1-40737
- Kuwahara, H.** *see* Shirasaki, M. 1-33980, 1-51151
- Kuwahara, H.** *see* Tominaga, S. 1-35304, 1-39100
- Kuwahara, H.** *see* Ueda, Y. 1-35310
- Kuwahara, H.** *see* Ushio, T. 1-49615
- Kuwahara, M.**, Eiho, S., Kitagawa, H., Ishimi, K. Automatic analysis of two-dimensional echocardiograms 1-43324
- Kuwano, N.** *see* Noda, A. 1-31833
- Kuwano, Y.**, Ohnishi, M. Development of amorphous Si solar cells in Japan 1-53678
- Kuwata, J.** *see* Nomura, S. 1-28165
- Kuzelova, P.** *see* Kindl, D. 1-53619
- Kuzenkova, M.A.** *see* Kisly, P.S. 1-40754
- Kuzhekin, I.P.**, Kalenikov, A.V. Calculating electric strength of gaps in water 1-40734
- Kuzina, I.V.**, Denisova, T.S., Vaganova, M.Yu., Buznikova, E.A. A matrix model of a transformer-type angle indicator 1-30164
- Kuz'kov, V.P.** Superconductive bolometers in the IR astronomical technique. I. Integral sensitivity. Operating conditions 1-34278
- Kuzma, C.** The vanadium-cobaltic thermistors with step variation of resistance 1-45706
- Kuzma, C.** *see* Kozlowski, L. 1-36353
- Kuzma, Cz.** Contribution to technology of critical temperature vanadium resistors 1-27627
- Kuzma, E.** *see* Kozlowski, L. 1-36353
- Kuz'micheva, G.M.** *see* Emel'yanov, A.V. 1-40472
- Kuzmich, V.** Some problems of integrated circuit design 1-32847
- Kuz'min, A.A.** *see* Ageyev, A.I. 1-42866
- Kuz'min, B.D.** *see* L'vovich, A.A. 1-37533
- Kuz'min, G.I.**, Kirillova, R.P. Topping a 300 MW generating unit with GTA-18 gas turbine plants 1-49288
- Kuz'min, I.V.**, Lokshin, V.L., Nafikov, Yu.I., Yampol'skiy, V.G. Use of passive reflector repeaters in radio-relay links 1-37861
- Kuzmin, L.S.**, Likharev, K.K., Migulin, V.V. Microwave receivers using SQUIDs and Josephson junction arrays 1-28338
- Kuzmin, M.P.**, Vetrov, V.V., Strelyaev, S.I. The electric RC-pattern for studying nonstationary heat transfer processes in ball-shaped bodies 1-39886
- Kuz'min, V.A.**, Yurkov, S.N. Calculation of switching voltage and maximum voltage in high-voltage p-n-p-n structures 1-46129
- Kuz'min, Ya.F.**, Luns, Yu.Ya. Finding the integral parameters of the operating conditions of power systems by the precision statistical linearisation method 1-38657
- Kuz'min, Yu.G.**, Smirnov, R.A. The use of a moving approximation interval to analyse and synthesize wideband amplifiers 1-39960
- Kuz'mina, M.G.** *see* Kochin, A.E. 1-52665
- Kuzminov, Yu.S.** *see* Dorosh, I.R. 1-46811
- Kuznetsov, A.A.** *see* Belovov, M.I. 1-37942
- Kuznetsov, A.A.** *see* Zagorskiy, Ya.T. 1-36119
- Kuznetsov, A.P.** Using topographical criteria for locating supports and sections with faulty insulation on overhead lines at 110 kV and above 1-43804
- Kuznetsov, B.A.**, Chepkasov, Yu.I., Minovskii, Yu.P., Goikhman, V.M. Use of synchronous electric motors in optimizing the compensation of reactive power in mine distribution networks 1-53075
- Kuznetsov, B.I.** *see* Radin, V.I. 1-31872
- Kuznetsov, B.V.** Stabilization of the emission wavelength of a neodymium laser by an interference-polarization filter 1-28696
- Kuznetsov, E.M.** *see* Bondar', V.A. 1-48145
- Kuznetsov, F.A.** *see* Kosza, G. 1-39771
- Kuznetsov, M.I.** *see* Belyakov, A.V. 1-36435
- Kuznetsov, N.N.** *see* Bychkov, B.N. 1-29849
- Kuznetsov, N.V.** *see* Bulgakov, Y.V. 1-50767
- Kuznetsov, S.A.** *see* Grishchenko, A.I. 1-30288
- Kuznetsov, S.B.** *see* Laithwaite, E.R. 1-39170, 1-44087, 1-44092, 1-44123, 1-44212
- Kuznetsov, S.E.** Any Markov process in a Borel space has a transition function 1-44894
- Kuznetsov, V.A.** *see* Barsukova, M.L. 1-33119
- Kuznetsov, V.A.** *see* Fridkin, V.M. 1-33118
- Kuznetsov, V.A.** *see* Galstyan, V.G. 1-32653
- Kuznetsov, V.A.** *see* Vasiliev, V.I. 1-48466
- Kuznetsov, V.D.** *see* Alekseev, N.I. 1-42728
- Kuznetsov, V.F.** Planning of renewal operations with allowance for the transfer of means 1-50047
- Kuznetsov, V.F.** *see* Enin, V.N. 1-46814
- Kuznetsov, V.G.**, Novskii, V.A., Samkov, A.V., Yarovoi, A.N. A controllable thyristor-capacitor balancer for distribution networks with neutral conductor 1-30733
- Kuznetsov, V.N.** *see* Privalov, V.V. 1-53727
- Kuznetsov, V.N.** *see* Taev, I.S. 1-49611
- Kuznetsov, V.P.** Estimation that is stable with regard to the type of distribution. Coupled distributions 1-39554
- Kuznetsov, V.P.** Estimation that is stable with regard to distribution form. Uncoupled distributions 1-39555
- Kuznetsov, V.P.** *see* Danilenko, V.N. 1-52745
- Kuznetsov, Yu.A.** A method of discriminating random signals with a uniform distribution of the instantaneous values of the amplitudes 1-37537
- Kuznetsov, Yu.A.**, Sidorenko, A.V. Dosimetric devices based on photocell diodes and luminophors 1-52710
- Kuznetsov, Yu.V.**, Novikov, Yu.A., Piskarev, I.M. Combined system for stabilizing the bremsstrahlung intensity of a betatron 1-30287
- Kuznetsova, S.A.** *see* Buzhinskii, O.I. 1-51373
- Kuzuhara, M.** *see* Sasaki, A. 1-33139
- Kuzuya, M.** *see* Hibino, M. 1-32595
- Kuzzyakov, B.A.** *see* Grigor'yants, V.V. 1-28656, 1-28657
- Kuzzyakov, B.A.** *see* Zhabotinskii, M.E. 1-37084

- Kvam, P.P. *see* Wisted, J.M. 1-40076
- Kvanli, A.H., Buckley, J.J. Project scheduling with resource constraints: a goal programming approach 1-35861
- Kvasil, B. Calculation of reflecting areas by the Rayleigh and Raman dispersion on a gas medium in the atmosphere 1-28926
- Kvasnikov, E.D. *see* Kozenkov, V.M. 1-41170
- Kverek, R.C. *see* Hause, J.R. 1-32764
- Kvetan, K., Oravec, J. Energy resolution of non-total absorption detectors 1-30315
- Kvetan, K. *see* Sitar, B. 1-30314
- Kvyatkovskii, O.E. *see* Gorodetskii, S.M. 1-31472
- Kwan, B.W. *see* Baxter, R.A. 1-28888
- Kwan, R.K. Electronic message services into the 80's 1-33758
- Kwan, T.J.T. Application of particle-in-cell simulation in free-electron lasers 1-51306
- Kwan, T.J.T., Cary, J.R. Absolute and convective instabilities in two-dimensional free-electron lasers 1-37050
- Kwang-Hyun Park *see* Deok-Chool Lee 1-32721
- Kwap, T.W. *see* Coullahan, J.P. 1-36419
- Kwase, S. The use of VLBI in observing astronomical and terrestrial survey parameters 1-52182
- Kwasnitschka, W. *see* Ballmer, U. 1-30987
- Kway, W.L. *see* Byer, R.L. 1-46783
- Kwiatkowski, A. *see* Chorowski, J. 1-49165
- Kwoh, Y.S., Reed, I.S., Truong, T.K., Glenn, W.V., Jr. A new CT collimator for producing two simultaneous overlapping slices from one scan 1-52763
- Kwok, H.L. *see* Lam, Y.W. 1-49679
- Kwok, M.A. *see* Herbelin, J.M. 1-28637
- Kwok, S.P. *see* Feng, M. 1-45927
- Kwok Kin-sing *see* Kin-sing Kwok
- Kwon, S.K. Reliability sensitivity of LSI memory with single error correction 1-27451
- Kwon, S.Y. *see* Cheung, R.S. 1-41562
- Kwon Yong-Se *see* Yong-Se Kwon
- Kwong, C.P., Chen, C.F. The convergence properties of block-pulse series 1-39666
- Kwong, K.C. *see* Schroder, F.S. 1-49018
- Kwong, R.H. *see* Leon-Garcia, A. 1-29252
- Kwong Man Kam *see* Man Kam Kwong
- Kwor, R.Y., Paz de Araujo, C.A. Conductivity modification of boron fibres 1-32096
- Kyashko, S.V., Pikovskii, A.S., Rabinovich, M.I. Self-exciting oscillator for the radio-frequency range with stochastic behaviour 1-32227
- Kyazym-Zade, A.G., Panakhov, M.M., Tagirov, V.I. Nonequilibrium optical rectification of bands in Schottky barriers based on wide-gap semiconductors 1-50827
- Kyazym-zade, A.G. *see* Abdullaev, G.B. 1-33116, 1-37010
- Kyle, J.J. SF<sub>6</sub> recycling cart speeds circuit breaker maintenance 1-31375
- Kyle, R.R. *see* Bradner LaGrange, J. 1-52146
- Kyle, T.R. *see* Singh, S. 1-27940
- Kyono, N. *see* Shindo, T. 1-38061
- Kyotani, Y. Running tests on superconducting magnetic levitation system 1-31585
- Kyriazis, N. Morse decoding 1-29102
- Kyriazis, N. Satellite tracking by home computer 1-47726
- Kyriazis, N. Satellite tracking by home computer. II. Formulae and programs 1-52092
- Kyser, D.F. *see* Murata, K. 1-50855
- Kyser, K., Mohr, H., Reiber, K. Improvements in radiographic imaging obtained with the Super Rotalix Ceramic X-ray tube 1-43305
- Kytina, I.G., Kimber, B.E. Fatigue fracture of glasses under laser irradiation conditions 1-36859
- Kyuma, K., Tai, S., Hamanaka, K., Nunoshita, M. Laser Doppler velocimeter with a novel optical fiber probe 1-51540
- Kyun-Hyon Tchah, Keun-Cheol Lee Noise analysis and simulation of the audio circuits 1-47840
- Kyung Chong-Min *see* Chong-Min Kyung
- Kyuragi, H. *see* Suzuki, A. 1-45089
- Kyurkchan, A.G. Influence of the edge effects on the radiation pattern of an antenna array 1-41302
- Kyusojin, A., Toyama, A., Kusama, K., Kikuchi, M. A study of accurate measurement of the circular dividing error 1-42505
- L. Tsui Ying *see* Ying L. Tsui
- La Cava, M. *see* Bellini, A. 1-53533
- La Cava, M. *see* Gallo, A. 1-31525
- La Cruz, F. *see* De La Cruz, F.
- La Cruz Castillo, F. *see* De La Cruz Castillo, F.
- La Placa, S.J. *see* Chandrashekar, G.V. 1-27171
- la Plaza, A. *see* de la Plaza, A.
- Laabs, J.V. *see* Greenwood, F. 1-30629
- Laakmann, K.D., Laakmann, P. The coming of age of waveguide lasers 1-28641
- Laakmann, P. *see* Laakmann, K.D. 1-28641
- Laakso, I. *see* Basile, M. 1-43250, 1-43251
- Laaspere, T. *see* Thomae, I.H. 1-34788, 1-43535
- Laass, H. The electrical installation in the freighter 'Transvaal' 1-49738
- Labate, A.M. *see* Morselli Labate, A.M.
- Labetoulle, J., Pujolle, G. HDLC throughput and response time for bidirectional data flow with nonuniform frame sizes 1-41957
- Labetoulle, J., Pujolle, G., Soula, C. Stationary distributions of flows in Jackson networks 1-44806
- Labianca, F.M., Lloyd, S.P. Adaptive focusing: the likelihood ratio 1-51823
- Labianca, F.M. *see* Claus, A.J. 1-52959
- LaBonte, A.E. Micro-adaptive picture sequencing (MAPS) in a display environment 1-37648
- Labonte, K. Charge buildup during electron irradiation 1-32897
- Laborie, J.P. New display systems for the next generation of civilian aircraft 1-48793
- Labrie, J.P. *see* Bavaria, G. 1-48432
- Labrique, F. Commutation processes in polyphase commutatorless DC generators 1-53485
- Labuda, S.A. *see* Achasov, O.V. 1-41053
- Labuntsov, V.A. Scientific and engineering problems in converter technology 1-44186
- Labuntsov, V.A. Technological problems in power conversion 1-44191
- Labuschagne, A.J. The development of a p-v-n power rectifier 1-32795
- Lacava, F. *see* Bacci, C. 1-43236
- Lach, L.E. Intensity-modulated display for synchronous test interpretation 1-38233
- Lachenbruch, P.A. *see* Broffitt, B. 1-35785
- Lachmann, U. An integrated circuit with Hall-effect and analogue output 1-52458
- Lachowicz-Balcer, T. *see* Haman, K. 1-48848
- Lack, P. Waiting for the electronic postman 1-33755
- Lackey, J. *see* Moore, C. 1-48368
- Lackey, J. *see* Owen, C.W. 1-48346
- Laclaire, J.L. Bunched-beam instabilities 1-48481
- Lacoume, J.L. *see* Fargetton, H. 1-33657
- LaCourse, R. *see* Davis, C.M. 1-50862
- Lacquaiti, V. *see* Cucolo, A.M. 1-29961
- Lacroix, J. *see* Baudry, A. 1-42366
- Lacroux, G. Permanent magnet DC motors 1-49513
- Laczko, L. Augmented digital-to-analog converter 1-40187
- Ladang, M. *see* Vanderschueren, J. 1-32100
- Ladany, I., Hawrylo, F.Z. Comparison of single- and two-phase LPE growth methods for InGaAsP/InP lasers and LEDs 1-39790
- Laday, O., Nemeth, K. Device for the survey of dynamic characteristics 1-31167
- Laday, O., Nemeth, K. Apparatus for the spintest of commutators 1-53478
- Laday, O., Nemeth, K., Arvay, P. Automatic apparatus for examining the service life of starter motors 1-53479
- Ladbroke, P.H. Power limiting due to impact ionisation in GaAs MESFETS 1-32817
- Ladbroke, P.H., Martin, A.L. Material and structure factors affecting the large-signal operation of GaAs MESFETS 1-28041
- Ladewski, C.T. *see* Clements, J.L. 1-29536, 1-29572
- Lading, L. *see* Schwiesow, R.L. 1-38581
- Ladozhskii, V.G. *see* Prostyakov, A.A. 1-31716
- Laeger, H. *see* Billan, J. 1-48530
- Laengrich, N. Concepts for achieving interchangeability in an IEEE 488 based system 1-52375
- Laff, R.A. *see* Heidrich, P.F. 1-27734
- Lafferli, J. *see* Kowatsch, M. 1-33485, 1-37406, 1-39987, 1-42309
- Laffitte, D. Function-orientated architecture reduces system overhead costs [16-bit microprocessors] 1-40030
- Laflere, W.H. *see* Van Meirhaeghe, R.L. 1-45996
- LaForest, J.J. *see* Caola, R.J., Jr. 1-38779, 1-43726
- Laforgia, A. On the zeros of Bessel functions 1-35712
- Lafortune, M. *see* Gallais-Hamonne, F. 1-52811
- Lagadec, R., Kunz, H.O. A universal digital sampling frequency converter for digital audio 1-38064
- Lagakos, N., Bucaro, J.A. Pressure desensitization of optical fibers 1-51152
- Lagakos, N., Bucaro, J.A., Jarzynski, J. Temperature-induced optical phase shifts in fibers 1-46488
- Lagakos, N., Hickman, T.R., Cole, J.H., Bucaro, J.A. Optical fibers with reduced pressure sensitivity 1-51189
- Lagakos, N., Mohr, R., El-Bayoumi, O.H. Stress optic coefficient and stress profile in optical fibers 1-46489
- Lagakos, N. *see* Cole, J.H. 1-36985
- Lagakos, N. *see* Mohr, R.K. 1-28433, 1-46495
- Lagakos, S.W. The graphical evaluation of explanatory variables in proportional hazard regression models 1-35741
- Lagakos, S.W., Reid, N. Estimating convolutions from partially censored data 1-35744
- Lagally, M.G. *see* Savage, D.E. 1-44020
- Lagarde, Y. *see* Blandenet, G. 1-27153
- Lagasse, P.E. *see* Mabaya, N. 1-40899
- Lagebrand, L. Local dataset: the spine of tomorrow's office 1-37743
- Legendijk, J.W. *see* Bahl, I.J. 1-48750
- Lagier, M. *see* Boucher, D. 1-52963
- Lagostena, L., Porrino, A., Babuder, R., Lucchini, G. Network disturbances caused by loads absorbing highly distorted currents 1-49057
- Lagowski, J., Walukiewicz, W., Kazior, T.E., Gatos, H.C., Siejka, J. GaAs-oxide interface states: a gigantic photoionization effect and its implications to the origin of these states 1-50830
- Lagowski, J. *see* Becla, P. 1-50284
- Lagowski, J. *see* Jastrzebski, L. 1-32062
- Lagowski, J. *see* Parsey, J.M. 1-35933
- Lagowski, J. *see* Rava, P. 1-32602
- Lagowski, J. *see* Siejka, J. 1-32757
- Lagoyannis, D., Pekmestzi, K. Multipliers of delta-sigma sequences 1-41484
- LaGrange, J. Bradner *see* Bradner LaGrange, J.
- Lagus, M., Soiminen, A. Development and quality assurance of the new semiconductor technology 1-40496
- Lagutin, M.F., Onufriev, V.P., Sidorov, G.I. Analysis of the signal/noise ratio at the output of a demodulator of pulse-amplitude modulated signals incorporating a gated peak detector and allow-frequency filter 1-37405
- Lagvilava, Yu.I. *see* Lituzde, Sh.I. 1-44084, 1-44086
- Lahiri, S.K. Large board fabrication for Josephson package 1-26936
- Lahiri, S.K., Chaki, A.K. A modified semiconductor-coupled SAW convolver 1-28210
- Lahiri, S.K., Chaki, A.K. Field induced effects on surface acoustic waves in a semiconductor coupled piezoelectric substrate and electronic control of SAW transducer 1-36791
- Lahman, H.S. *see* Taschioglou, K. 1-27690
- Lahman, H.S. *see* Taschioglou, K.P. 1-50689
- Lahoti, B.D., Flowers, D.E. Evaluation of transformer loading above nameplate rating 1-39037
- Lahoti, B.D., Flowers, D.E. Evaluation of transformer loading above nameplate rating 1-44154
- Lahri, R. *see* Han, M.K. 1-49686
- Lahri, R. *see* Han, M.K. 1-49682
- Lai, D.C. *see* Jansen, B.H. 1-52776
- Lai, F.S., Watson, J.K. A two-dimensional surface pole model for permalloy patterns 1-46456
- Lai, H. *see* Forster, R. 1-42976
- Lai, H. *see* Hardek, T. 1-42928
- Lai, H.H. A design of a slot type pick-up and kicker for stochastic cooling of a coasting beam 1-43001
- Lai, H.H., Dyson, J.D. The determination of the direction of arrival of an interference field 1-41300
- Lai, S.K. Two-carrier nature of interface-state generation in hole trapping and radiation damage 1-50828
- Lai-Chering Suen A statistical model for net length estimation 1-45780
- Laidig, W.D., Holonyak, N., Jr., Camras, M.D., Vojak, B.A., Hess, K., Coleman, J.J., Dapkus, P.D. Quenching of stimulated phonon emission in Al<sub>0.1-0.2</sub>Ga<sub>0.8-0.9</sub>As-GaAs quantum-well heterostructures 1-46753
- Laidig, W.D. *see* Coleman, J.J. 1-39764
- Laidig, W.D. *see* Dapkus, P.D. 1-33219
- Laidig, W.D. *see* Holonyak, N., Jr. 1-51438
- Laidig, W.D. *see* Vojak, B.A. 1-37140, 1-37143
- Laighton, D., Sasonoff, J., Selin, J. Silicon-on-sapphire (SOS) monolithic transceiver module components for L- and S-band 1-47731
- Laiho, Y. Optimal voltage level control and its application to long range extension planning in high voltage transmission network 1-43620
- Laikov, V.K. *see* Sheiko, P.P. 1-49836
- Laing, C.F. *see* Murphy, E.F. 1-28508
- Laing, D. *see* Dominey, J.R. 1-53217
- Laird, A.D.K. *see* Tleimat, B.W. 1-31069
- Laire, C. Reconversion to coal at Ruien power station 1-31001
- Laithwaite, E.R., Freris, L.L. Electric energy: Its generation, transmission and use 1-35589
- Laithwaite, E.R., Kuznetsov, S.B. Development of an induction machine commutated thyristor inverter for traction drives 1-39170
- Laithwaite, E.R., Kuznetsov, S.B. Development of a stator-controlled brushless induction machine with leading var capability 1-44087
- Laithwaite, E.R., Kuznetsov, S.B. Tests results obtained from a brushless unity power factor induction machine 1-44092
- Laithwaite, E.R., Kuznetsov, S.B. Power-factor improvement in linear induction motors 1-44123
- Laithwaite, E.R., Kuznetsov, S.B. Natural commutation of current source thyristor inverters by cage rotor induction machines 1-44212
- Laithwaite, E.R. *see* Ellison, A.J. 1-49893
- Laity, W.W., Aase, D.T., Apley, W.J., Bird, S.P., Currie, J.W., Drost, M.K., Williams, T.A. Assessment of solar thermal concepts for small power systems applications 1-31127

- Laj, C.** *see* Chiron, G. 1-48837
- Lajoie-Mazenc, M., Leichter, S.** Study of permanent magnet synchronous machines supplied from naturally commutated static converters 1-49519
- Lajoie-Mazenc, M.** *see* de Fornel, B. 1-53713
- Lajoie-Mazenc, M.** *see* Faucher, J. 1-53415
- Lakatos, E.St.** *see* Manduteanu, G.V. 1-27980
- Lake, A.** *see* Avery, R. 1-42826
- Lakeman, J.B.** *see* Hampson, N.A. 1-31406, 1-44326
- Laker, K.R., Fleischer, P.E., Ganesan, A.** Parasitic insensitive switched-capacitor biquads: a review [MOS filters] 1-50554
- Laker, K.R.** *see* Fleischer, P.E. 1-45499
- Lakernik, R.M.** *see* Baron, D.A. 1-47515
- Lakervi, E.O.** Use of systematic distribution network design methods in small electricity supply undertakings 1-49095
- Lakh, V.I., Boris, Ya.V., Dimbrovskii, Yu.V., Sharabura, M.I.** Thermistor sensors with unified output signals between 0 and 5 mA 1-50635
- Lakhani, A.A., Cole, T., Stiles, P.J.** Substrate bias effects on subband separation and interband scattering in Si (110) p-channel MOSFETS 1-46172
- Lakhtakia, A., Iskander, M.F., Durney, C.H., Massoudi, H.** Near-field absorption in prolate spheroidal models of humans exposed to a small loop antenna of arbitrary orientation 1-43385
- Lakhtakia, A., Iskander, M.F., Durney, C.H., Massoudi, H.** Scattering and absorption of lossy dielectric objects irradiated by the near fields of aperture source 1-51590
- Lakhtionov, V.I.** *see* Beketova, A.K. 1-37234
- Lakin, K.M., Wang, J.S.** Acoustic bulk wave composite resonators 1-28195
- Lakin, K.M., Wang, J.S.** UHF composite bulk wave resonators 1-40773
- Lakova, M.S.** *see* Stoyanov, V.E. 1-28576
- Lakow, M.** *see* Batow, S. 1-44572
- Lakshminarayan, K.N.** *see* Singh, S. 1-28556
- Lal, D.** *see* Bhandari, N. 1-48635
- Lal, J.B.** *see* Dabas, R.S. 1-33345
- Lal, R.** *see* Kumar, A. 1-31903
- Lalanne, D.** *see* Augustin, J.E. 1-43230
- Lalevic, B., Murty, K., Ito, T., Kalman, Z.H., Weissman, S.** Strains and photovoltaic response in Ta-sputtered Si metal-insulator-semiconductor solar cells 1-50838
- Lalevic, B.** *see* Poteat, T.L. 1-32827
- Lalevic, B.** *see* Vezzoli, G.C. 1-36489
- Lalliccia, F., Mayer, M.** Centralized translation system for an international Pentaconta exchange 1-37840
- Lall, B.** Thus came the SI units' fundamentals 1-29958
- Lallier, K.W.** *see* Carpenter, L.C. 1-46279
- Lalot, J.** *see* Urbain, J.P. 1-43759
- Laloux, A.** *see* Brussaard, G. 1-46917
- Laloux, A.** *see* Van Schingen, M. 1-46908
- Lam, A.** *see* Leung, C.S.K. 1-29121
- Lam, C.Y.** Radar observation of a tropical hail-storm 1-38592
- Lam, D.K., Koch, G.R.** Vacuum system considerations for plasma etching equipment 1-44685
- Lam, F.K., Tsang, W.M.** Variable frequency filtering via chirp transform 1-45451
- Lam, H.W., Pinizzotto, R.F., Yuan, H.T., Bellavance, D.W.** Characteristics of MOSFETS—fabricated in silicon-on-insulator material formed by high-dose oxygen ion implantation 1-32732
- Lam, J.W.K., Ramachandran, V., Swamy, M.N.S.** Comparison of the effects of quantization on digital filters 1-40136
- Lam, P.A.F.** Digital noise filter 1-30186
- Lam, W.I.** *see* Webster, A.R. 1-28887
- Lam, Y.W.** Min MIS Schottky barrier solar cells—a review 1-53635
- Lam, Y.W., Kwok, H.L.** Silicon solar cells and their terrestrial applications 1-49679
- Lam Chung Hon** *see* Chung Hon Lam
- Lam Tin** *see* Tin Lam
- Lama, W., Hammond, T.** Arc-acoustic interaction in rare gas flashlamps 1-31636
- Lamain, H.** *see* Felch, K.L. 1-51301
- Lamanna, E., Romano, G., Sgarbi, C.** Curvature measurements in nuclear emulsions 1-52719
- Lamanna, T.** *see* Petrecca, G. 1-39160
- Lamar, K.** Communications-electronics development strategies—new emphasis on the theory of evolution 1-39340
- Lamb, D.R.** *see* Rabbani, K.S. 1-40376
- Lamb, J.** *see* Laybourn, P.J.R. 1-46564
- Lamb, J.P., Polansky, G.F., Bradley, S.P.** Generalized performance predictions for energy conversion plants using geopressured geothermal fluids 1-31075
- Lambarelli, L.** *see* Barberis, G. 1-51982
- Lambarelli, L.** *see* Brignolo, R. 1-51885
- Lambe, J.** *see* McCarthy, S.L. 1-33150
- Lambert, D.R.** Graphics Language/One. IBM corporate-wide physical design data format 1-46260
- Lambert, J.D.** Safe Point Methods for separably stiff systems of ordinary differential equations 1-32037
- Lambert, J.E.** *see* Grisham, D.L. 1-48281, 1-48335
- Lambert, J.M.** *see* Treado, P.A. 1-38416
- Lambert, M.** F-16 improvement program: making the digits count 1-34662
- Lambert, M.** Sperry digitizes helicopter autopilot 1-48791
- Lambert, M.** *see* Burq, J.P. 1-52679
- Lambert, M.E.** *see* Slattery, G.F. 1-45134
- Lambertson, G., Bisognano, J., Flood, W., Laslett, L.J., Leemann, C., Leskovar, B., Lo, C.C., Main, R., Smith, L., Staples, J.** Stochastic cooling of 200 MeV protons 1-48525
- Lambertson, G.** *see* Gilbert, W.S. 1-48532
- Lambertson, G.R., Bisognano, J., Flood, W., Kim, K., Leeman, C., Leskovar, B., Lo, C.C., Main, R., Reimers, R., Smith, L., Staples, J.** Experiments on stochastic cooling of 200 MeV protons 1-42997
- Lambiase, R.** *see* Terwilliger, K.M. 1-42787
- Lambot, J.-P., Fontaine, A., Jespers, P.G.A., White, M.H.** Microprocessor-controlled acquisition system for the determination of MOS transistor parameters 1-47892
- Lambrecht, D.** Status of development of superconducting AC generators 1-53363
- Lambrecht, P.** Two wire systems using operational amplifiers 1-33901
- Lambros, A., Polatoglou, H., Gabrielidis, L.** Erland and normal distributions in telex traffic 1-47276
- Lamczyk, R.** *see* Koford, S. 1-45754
- Lamekin, V.F., Zuev, B.I.** Design and optimisation of active wide-band phase shifters 1-27580
- Lamel, L.F., Rabiner, L.R., Rosenberg, A.E., Wilpon, J.G.** An improved endpoint detector for isolated word recognition 1-47146
- Lamers, H.** Digital transmission—technical problems of the introduction of digital transmission and exchange systems. II 1-37694
- Lamers, H.** Transmission problems in the introduction of digital transmission and switching systems. I 1-37843
- Lamers, H.** Digital signal transmission and switching. III 1-41452
- Lamers, H.** Transmission problems in the introduction of digital signal transmission and switching systems. IV 1-52020
- Laming, F.P., Mueller, H.** Optical storage of data on a magnetic medium 1-28242
- Lammel, J.** *see* Kuhn, R. 1-47588
- Lammers, T.M.** *see* van Etten, W.C. 1-29852
- Lammerse, H.** Installation and maintenance of explosion proof plant instrumentation 1-35618
- Lamminen, P.** *see* Huhtanen, T. 1-42111
- Lamont, G.B.** *see* Raeth, P.G. 1-45431
- Lamont, R.G.** *see* Kawasaki, B.S. 1-51186
- Lamont, R.G.** *see* Yoshida, A. 1-46493, 1-51210
- Lamoth, M.** Stepper motor driving with the SAA1042 IC 1-53495
- Lamouler, P.** *see* Monerie, M. 1-28445
- Lamoureux, R.T.** Reliability considerations of flex-rigid circuits 1-32497
- Lampe, F.** Power transistors in shortwave and VHF/UHF applications 1-40550
- Lampe, G.** Problems of training in telecommunications in developing countries 1-29260
- Lampe, G.** Optical transmission system for a 140 Mbit/s subscriber loop 1-42267
- Lampel, M.** *see* Chupp, W. 1-48405
- Lampen, J.L.** *see* Galani, Z. 1-36325
- Lamy, A., Millot, C.** Bottom pressure and sea level measurements in the Gulf of Lions 1-52947
- Lamy, B.** Contribution of surface wear processes to the degeneration of the magnetic properties of magnetic heads 1-46403
- Lanc, J.** *see* Szabo, R. 1-40711
- Lanca, M.J.A., Nichols, K.G.** Interactive design optimization of non-linear circuits 1-45193
- Lancaster, G.** AC and DC circuits. 2nd edition 1-35590
- Lancaster, H.** *see* Hinkson, J. 1-48357
- Lancaster, H.** *see* Magyary, S. 1-38333, 1-42922
- Lancaster, H.D.** *see* Staples, J.W. 1-48425
- Lancker, L.** *see* van Lancker, L.
- Land, C.E.** *see* Percy, P.S. 1-40880, 1-40989
- Land, P.S.** Nonlinear amplification of sound in piezoelectrical semiconductors and self-synchronization of modes in acoustoelectric generators 1-51050
- Landa, P.S., Miskinova, N.A., Ponomarev, Yu.V.** Excitation of standing striations in a bounded positive column 1-40341
- Landau, H.J.** *see* Gaarder, N.T. 1-32007
- Landau, J.R.** Parallel associative magnetic bubble memory 1-32983
- Landberger, J.** PACT 220, a second-generation electronic teleprinter 1-47342
- Landen, U.A.L.** *see* Henshaw, D.L. 1-30360
- Lander, J.J.** New separator materials for nickel-cadmium aircraft batteries 1-31437
- Lander, V.** Comparison of signal-to-noise ratio in the UHF band for antennas with linear and circular polarization 1-51692
- Landers, P.** Taking the measure of a hurricane [transmission towers] 1-34905
- Landfear, D.** Pay-TV decoder 1-29871
- Landfear, D.** Pay-TV decoder 1-38013
- Landgrebe, A.R., Mayo, J.W., Ruby, S., Chudacek, R.C., Weinstock, I.B.** Status of electrochemical energy storage systems for electric vehicle, solar, and electric utility applications 1-31408
- Landgrebe, D.A.** Analysis technology for land remote sensing 1-34721
- Landgrebe, D.A., Swain, P.H.** Characterization and extraction of information in Earth observational image data 1-52934
- Landgren, G.L., Anderson, S.W.** Data base for EHV transmission reliability evaluation 1-43637
- Landgren, G.L., Anderson, S.W.** Data base for EHV transmission reliability evaluation 1-43684
- Landman, A.** Non-contact speed measurement by correlation 1-42771
- Lando, D.J.** *see* Welsher, T.L. 1-32918
- Landolt, J., Schwarz, W., Frei, G., Gilli, R.** Natural circulation test under boiling conditions in the Goggen nuclear power plant 1-43868
- Landram, C.S.** *see* McMaster, W.H. 1-39684
- Landraut, C.** *see* Moreira de Souza, J. 1-35679
- Landrum, G.** Overall alloying aluminium-silicon causes leakages in MOS 1-28105
- Landrum, J.H.** *see* Cooper, J.F. 1-31419
- Landry, M.** *see* St-Jean, G. 1-35323
- Landry, P.** *see* Baudry, A. 1-42366
- Landsberg, P.T.** *see* Klimpe, C.M.H. 1-39130
- Landsberg, P.T.** *see* Robbins, D.J. 1-45951
- Landstorfer, F.M., Sacher, R.R.** Optimisation methods applied to horn antennas 1-41325
- Landstorfer, F.M., Schulze-Allen, W., Turkner, K.-H.** A directional antenna element for use in a phased array with H-plane scanning: requirements, realisation, nearfields 1-41429
- Landt, J.A.** *see* Miller, E.K. 1-41332
- Landwehr, G.** Precision determination of the fine structure constant from magnetic transport measurements on semiconductor boundary layers 1-40470
- Landwehr, G.** Problems connected with the generation of continuous magnetic fields above 15 Tesla 1-51126
- Lane, B.** *see* Feldman, C.L. 1-52790
- Lane, D.W.** *see* Gibb, A.C.O. 1-42510
- Lane, H.W., Beddows, R.G., Lawrence, P.R.** The technical logic of research and development programs 1-26840
- Lane, J.** Making your micro talk to your mainframe 1-33794
- Lane, J.** The implications on electrical contractors of the Health & Safety at Work Act. I 1-49951
- Lane, J.G.** *see* Kaplan, L.H. 1-27892
- Lane, J.L.** Portable electric plant eases construction work 1-35075
- Lane, J.M., Riesenfeld, R.F.** Bounds on a polynomial 1-35877
- Lane, W.A., Salama, C.A.T.** Compatible VVMOS and NMOS technology for power MOS ICs 1-36689
- Lanford, W.A.** *see* Ziegler, J.F. 1-50760
- Lanfranconi, G.M., Metra, P., Vecellio, B.** MV power cables with extruded insulation: a comparison between XLPE and EPR 1-49123
- Lang, A.** Propulsion systems for magnetically suspended vehicles 1-49761
- Lang, A.R.** X-ray detectors 1-34551
- Lang, A.R.G., Leuning, R.** New omnidirectional anemometer with no moving parts 1-48849
- Lang, B.** *see* Carriere, B. 1-32706
- Lang, C.R.** *see* Trimmerberg, S. 1-46203, 1-46234
- Lang, D.V.** *see* Cohen, J.D. 1-46093
- Lang, J.H., Staelin, D.H.** Electrostatically-controlled large-aperture reflecting satellite antennas 1-29017
- Lang, K.** *see* Slayman, C.W. 1-37930
- Lang, R.** *see* Fujiwara, M. 1-33218
- Lang, R.** *see* Uji, T. 1-33151
- Lang, R.H.** Electromagnetic backscattering from a sparse distribution of lossy dielectric scatterers 1-29786
- Lang, R.H., Pickholtz, R.L.** Transient analysis of an adaptive array in the presence of a step and periodic noise jammer 1-28991
- Lang, S.W., Duckworth, G.L., McClellan, J.H.** Array design for MEM and MLM array processing 1-37963
- Lang, T.** *see* Bryanston-Cross, P.J. 1-34403
- Lang Jen A.** Vigorous approach to the theory of paraboloidal antennas 1-51679
- Lang Jen, Chuan-Shui Hu** Radiation fields of a metallic prolate spheroid excited by any circumferential slot 1-51698
- Langbein, K.** *see* Muller, R.W. 1-48336
- Langdon, G.G., Jr.** Apparatus supporting half-duplexed encoding/decoding array 1-47123
- Langdon, G.G., Jr.** Table-driven decoder involving prefix codes 1-51782
- Langdon, G.G., Jr., Fletcher, W.I.** Teaching design in a VLSI environment 1-32304
- Langdon, G.G., Jr., Rissanen, J.J., Todd, S.J.P., Wong, K.Y.** Encryption properties of arithmetic codes 1-47124
- Langdon, G.G., Jr.** *see* Arps, R.B. 1-47125
- Langdon, G.G., Jr.** *see* Helman, D.R. 1-47176

- Lange, F. *see* Eckert, D. 1-51115, 1-51133
- Lange, K. *see* Deutsch, J. 1-52567
- Lange, M. *see* Davids, P. 1-38894
- Lange, R., Schmolling, F. Digital transmission system for 120 telephone channels over VHF cable 1-42129
- Lange, Y.V., Manaeva, Z.I. Use of a calibrated attenuator in an impedance-measuring flaw detector 1-38610
- Lange, Yu.V., Leonov, I.G. A check of the efficiency of the transducers of acoustic flaw detectors based on the method of free oscillations 1-50360
- Langecker, K., Veith, R. Automatic time domain testing of SAW devices 1-36797
- Langel, R.A. Magsat scientific investigations 1-34701
- Langen, A.M. *see* Senikovskii, I.V. 1-31238
- Langer, E., Pobl, K. Gallium arsenide components for communication technology 1-45922
- Langer, H. Cable needs proper handling and storage 1-34875
- Langer, H.-D., Bittner, O., Gentsch, W. Characteristics of tantalum powder for use in electrolytic condensers with sintered anodes 1-27186
- Langer, J.M. Cadmium fluoride—from physics to application 1-27847
- Langerholc, J. *see* Bohn, G. 1-39171
- Langevin, M. Guidelines for the Orsay MP tandem post-accelerator project 1-43133
- Langevin-Joliot, H. Developments in physics using the accelerators at the Orsay nuclear research centre 1-52625
- Langfeld, R., Baumann, H., Bethge, K., Jex, H. CO<sub>2</sub>-laser induced annealing and diffusion in high energy As-ion-implanted silicon 1-27928
- Langford, C.H., Hollebone, B.R., Nadezhdin, D. The photovoltaic properties and structure of palladium tetraphenylporphyrin on tin oxide photoelectrochemical cells 1-44357
- Langhammer, J. Calculation of the load characteristics of a thyristor rectifier 1-53520
- Langhans, J.D., Ronat, A.E. Protective devices coordination via computer graphics 1-38825
- Langheld, E. *see* Hurst, S.L. 1-47143
- Langkau, R. *see* Horstmann, R. 1-38425
- Langkau, R. *see* Krause, H. 1-38424
- Langland, B.J. *see* Larimore, M.G. 1-41997
- Langley, R.F. *see* Jensen, S.M. 1-31884
- Langley, R.L. *see* Senderak, K.L. 1-30524
- Langlois, C. *see* Denis, G. 1-29533
- Langlois, J., Foetzki, H. Linear motor and control of the recording mechanism of a 12-channel-point recorder 1-39009
- Langlois, W.E. Conservative differencing procedures for rotationally symmetric flow with swirl 1-27091
- Langman, R.A. Prediction and measurement of rotation of magnetization in an anisotropic polycrystalline ferromagnetic material 1-28222
- Langton, N.H. The parallel-plate capacitor with symmetrically placed unequal plates 1-45718
- Langus, J., Jelenc, J., Kernsik, B., Frantar, J. 30-point process measuring and temperature recording device 1-47881
- Langus, J. *see* Jelenc, J. 1-48128
- Lanier, J.R., Jr. *see* Lukens, F.E. 1-30521
- Laniosi, K. *see* Deiters, K. 1-30336
- Lankford, W.F., Lynn, K.G., Kossler, W.J., Fiory, A.T., Minnich, R.P., Stronach, C.E. Current techniques in muon spin rotation experiments 1-48609
- Lankin, Yu.N., Anisichenko, V.A. The automatic control of electron-beam welding equipment 1-44532
- Lannelongue, N., Charpentier, T., Serriere, R. Realisation of a mosaic radar 1-43419
- Lanni, C. *see* Chou, T.S. 1-48392
- Lanoie, R. *see* Kosztaluk, R. 1-43736
- Lanshchikov, G.I. *see* Alekseev, A.V. 1-52742
- Lanton, S. LSI chips shrink synchro-to-digital converter hybrids 1-40171
- Lantukh, V.M., Kordinov, E.V. Ultrasonic inspection of welded joints in parts made of austenitic stainless steel 1-48924
- Lantukh, V.M. *see* Grebennik, V.S. 1-39830
- Lantzke, U. Group initiatives for nuclear power R and D 1-43848
- Lanying Lin *see* Lin Lanying
- Lanyon, H.P.D. The physics of heavily doped n<sup>+</sup>-p junction solar cells 1-49698
- Lanz, O.E., Schilling, R., Kulendik, B. The power supply system—an important link in the protection chain 1-38801
- Lanz, P. *see* Adam, S. 1-43053
- Lanza, C. *see* Sahni, O. 1-27744
- Lanza, R.C. *see* Zimmerman, R.E. 1-34574
- Lanzano, G. *see* Ciavola, G. 1-48568
- LANZEROTTI, L.J. Geomagnetic disturbances and technological systems 1-33360
- Lanzerotti, L.J. *see* Medford, L.V. 1-33912, 1-38582
- Lanzi, G. *see* Dall'olio, C. 1-37842
- Lanzinger, D. *see* Gielow, T. 1-48171
- Lanzoni, F.T. Automated system and facility redesign reduce inspection cycle time and handling-induced defects 1-44729
- Lao, B.Y. Gyroscopic effect in surface acoustic waves 1-36798
- Lao, B.Y., Schneier, N.J., Rowe, D.A., Dietterle, R.E., Schoenwald, J.S., Staples, E.J., Wise, J. SAW oscillator in UHF transit satellite links 1-46375
- Lapetina, T., Schneider, D. An ATLAS implementation for a commercial tester 1-38557
- Lapierre, R.W. *see* Murphy, E.F. 1-28508
- Lapinski, T. Telecommunication station cables with screened pairs 1-32429
- Laplanche, F. *see* Behrend, H.-J. 1-43229
- Lapo, R.B. *see* Avazian, J.F. 1-49999, 1-50017
- Laporta, J. *see* Finidori, C. 1-49898
- Laporte, B., Zaim, M.E. Method of calculation and performances of induction machines with slits in solid iron rotors 1-49468
- Lapostolle, P. *see* Chabert, A. 1-42902
- Lappalainen, P. *see* Tervonen, M. 1-29969
- Laprie, J.C. *see* Boussin, J.L. 1-31382
- Lapshin, V.G. *see* Vasil'chenko, V.G. 1-50731
- Lapshin, V.G. *see* Vishnevskii, N.K. 1-30377
- Lapshinov, O.N. *see* Varichenko, L.V. 1-32875
- Lapte, A.Yu. *see* Andreev, A.Ts. 1-28478
- Lapuk, A.G. *see* Belozero, L.I. 1-42416
- Lapuk, A.G. *see* Veldgrube, G.S. 1-29898
- Laquer, H.T., Wendroff, B. Bounds for the model quench front 1-35868
- Larcher, G. *see* Ozkul, C. 1-28793
- Lardat, C. *see* Penavaire, L. 1-36774
- Lardat, C. *see* Planat, M. 1-36760
- Lardy, J.L. *see* Vernay, Y. 1-40701
- Lare, C. Period power tester 1-26914
- Lare, C. Mini drill PSU 1-32179
- Larecki, W. *see* Aleksiejuk, M. 1-48909
- Large, S.F. Splicing techniques for tactical fiber optic systems 1-33986
- Lari, R.J. *see* Bywater, J.A. 1-52644
- Lari, R.J. *see* Terwilliger, K.M. 1-42787
- Lariccia, P. *see* Bridges, D. 1-43234
- Lariccia, P. *see* Brody, A. 1-34436
- Larigaldie, S., Giboni, N. A new device for the neutralization of static electricity on pulverulent materials 1-37273
- Larimer, S.J., Maher, S.L. A solution to bus connection in a system of autonomous microprocessors 1-50528
- Larimore, M.G. Hyperstability and adaptive filtering 1-29162
- Larimore, M.G., Calvert, R.J. Convergence studies of Thompson's unbiased adaptive spectral estimator 1-37548
- Larimore, M.G., Langland, B.J. Recursive linear prediction for clock synchronization 1-41997
- Larimore, M.G. *see* Johnson, C.R., Jr. 1-37498
- Larimore, M.G. *see* Treichler, J.R. 1-42407
- Larivain, J.P. *see* Hirtz, J.P. 1-50294
- Larivain, J.P. *see* Razezghi, M. 1-51451, 1-51452
- Larkin, D. *see* Harris, M. 1-29269
- Larkin, L.A. Elastic-plastic analysis with NASTRAN user elements 1-45019
- Larner, D.S. *see* Altmann, W. 1-42140
- Laroche, P., Weber, R., Gall, D. Flight tests for studying radar frequency interference of electrostatic origin 1-33374
- Laros, J.G. *see* Evans, W.D. 1-30490
- Larrabee, R.D., Thurber, W.R., Bullis, W.M. FORTRAN program for calculating the electrical parameters of extrinsic silicon 1-40388
- Larry, J.R. *see* Taylor, B.E. 1-27726, 1-44698
- Larsen, E.V., Swann, D.A. Applying power system stabilizers. I. General concepts 1-43546
- Larsen, E.V., Swann, D.A. Applying power system stabilizers. II. Performance objectives and tuning concepts 1-43547
- Larsen, E.V., Swann, D.A. Applying power system stabilizers. III. Practical considerations 1-43548
- Larsen, E.V., Swann, D.A. Applying power system stabilizers. I. General concepts 1-43592
- Larsen, E.V., Swann, D.A. Applying power system stabilizers. II. Performance objectives and tuning concepts 1-43593
- Larsen, E.V., Swann, D.A. Applying power system stabilizers. III. Practical considerations 1-43594
- Larsen, E.V. *see* Mortensen, K. 1-38729
- Larsen, F.H. *see* Bach, H. 1-41348
- Larsen, F.H. *see* Ludwig, A.C. 1-41321
- Larsen, F.H. *see* Holm Larsen, F.
- Larsen, G. *see* Edwards, M. 1-34603
- Larsen, H. *see* Jansen, B.H. 1-52776
- Larsen, H.G., Leavitt, S.C. An image display algorithm for use in real-time sector scanners with digital scan converters 1-38613
- Larsen, R. *see* Makowiecki, D. 1-34500
- Larsen, R.A. *see* Geiss, P.J. 1-46304
- Larsen, R.B. Measurements on satellite links at 11 and 14 GHz 1-52091
- Larsen, R.C. *see* Leipuner, L.B. 1-43259
- Larsen, R.K. *see* Hobbs, R.W. 1-48824
- Larsen, R.S. *see* Deiss, S.R. 1-42802
- Larsen, T.A. *see* Barclay, D.J. 1-30211
- Larson, C. *see* Anderson, R.S. 1-51386
- Larson, D.K. Computer+plotter=direct-to-art design 1-40223
- Larson, J.D. *see* Karrer, H.E. 1-38502
- Larson, S.J. *see* Sances, A., Jr. 1-39355
- Larson, W.B. Heat sink technique for electrical components 1-35652
- Larsson, B.-O. *see* Gunnar Ahlbom, L. 1-30462
- Larsson, L.R. *see* Akeson, B. 1-47372
- Larsson, S.O. Subjective probability and expected utility theory 1-50112
- Larsson, T., Holmqvist, N. The Nordic public data network 1-29322
- LaRussa, J.A. *see* Albery, W.B. 1-30500
- Las, T., Lebioda, G. Measurements of incomplete discharges in capacitor bushing insulators 1-53124
- Las Vergnas, M., Mayniel, H. Kempe classes and the Hadwiger Conjecture 1-50208
- Lasalle, M. Satellite relayed television 1-29843
- Laschi, R. *see* Bucci, B. 1-29553, 1-42086
- Lashaev, S.I. *see* Aleksandrov, B.M. 1-43257
- Lashevskii, P.A., Falarotov, G.A., Shapiro, L.A. Reliability of the gate dielectric in MOS structures 1-28119
- Laskaris, T.E. High-performance superconducting windings for AC generators 1-31181
- Lasker, D. PROTEL, the DMS-100 software language [electronic switching systems] 1-42076
- Laskowski, E.L., Donoghue, J.F. A model of a mercury arc lamp's terminal V-I behavior 1-53761
- Lasky, T.A. Cable connector retainer 1-36390
- Laslett, L.J. *see* Lambertson, G. 1-48525
- Laspalles, C. *see* Alard, J.P. 1-52717
- Lassabater, L. *see* Palau, J.M. 1-32695
- Lassabater, L. *see* Soonckindt, L. 1-32654
- Lassale, J. *see* Cambon, G. 1-28203
- Lassale, J. *see* Saurer, J.M. 1-32925
- Lassen, C.L. Use of metal core substrates for leadless chip carrier interconnection 1-45797
- Lassen, L. *see* Netter, P. 1-48590
- Lasserre, J.B. A property of certain multistage linear programs and some applications 1-39625
- Lasswell, P.G. *see* Plunkett, B.C. 1-35389
- Last, I., Baer, M. A new set of space-averaged time-dependent equations for lasers systems 1-41036
- Last, J.D. The use of Decca mono frequency for localisation at great distance 1-42352
- Lastochkin, A.P. *see* Fisenko, V.V. 1-38875
- Lastras-Martinez, A. *see* Dorantes-Davila, J. 1-36470
- Laszewski, R.M. *see* Axel, P. 1-42900
- Laszip, S. Colour receiver type TS3301 by Videcon. II 1-29877
- Laszlo, L. Matrix methods for polynomials 1-39484
- Laszlo Pallos, L. *see* Maghsoudloo, S. 1-39550
- Lat, M.V., Kortschinski, J. Distribution arrester research 1-43794
- Lataire, P. Power transistor convertor for small asynchronous motor drives. Optimisation of efficiency and maximal torque 1-53715
- Lataire, P. *see* Wambaco, J. 1-53716
- Lathrop, J.W. *see* Rudisill, J.F. 1-43599
- Lathrop, J.W. *see* Saylor, C.R. 1-44385
- Latif, M., Bryant, P.R. Network analysis approach to multi-dimensional modeling of transistors including thermal effects 1-46122
- Latifi, G. *see* Azimi-Garankani, D. 1-30346
- Latimer, D.W.M. The 15th edition—not for the toolbox [IEE Regulations for electrical installations] 1-26861
- Latos, T., Bosack, D., Ehrlich, R., Jahns, T., Mezera, J., Thimmesch, D. An SCR inverter for electric vehicles 1-31339
- Latour, M., Murphy, P.V. Application of PVF<sub>2</sub> transducers as piezoelectric vibrators for marine fouling prevention 1-51065
- Latour, Y. *see* St-Jean, G. 1-30814
- Latour, Y. *see* St-Jean, G. 1-38820, 1-53140
- Latta, B.J. *see* Bate, G. 1-40799
- Latta, E. *see* Broom, R.F. 1-28351
- Lattanzi, L. *see* Vincente, A. 1-47587
- Lattarulo, F., Mastronardi, G. Equivalence criteria among man and animals in experimental investigations of high voltage power frequency exposure hazards 1-43384
- Latuszynski, A. *see* Maczka, D. 1-52659
- Latysh, A.V. *see* Golubev, N.F. 1-32625
- Latysh, Yu.A. *see* Novikov, V.B. 1-52353
- Latyshova, I.G. A graphical method of inverting symmetrical matrices and its use in calculating the conditions of operation of a power system 1-53059
- Lau, C., Sewell, J.I. Computer analysis of switched-capacitor filters 1-39885
- Lau, C.W. *see* Kassam, M.S. 1-43469
- Lau, E.C.W., MacDougall, J.W. Height-gain measurements of TV transmissions [fringe reception area] 1-38002
- Lau, J.A., von Voss, W.D. Dual-function solder procedure 1-27736
- Lau, J.A. *see* Backes, J.L. 1-35647
- Lau, K.F., Yen, K.H., Kagiwada, R.S., Kong, A.M. High frequency temperature stable SBAW oscillators 1-36771
- Lau, K.F. *see* Dodson, D.J. 1-46374
- Lau, K.Y., Harder, C., Yariy, A. Ultimate frequency response of GaAs injection lasers 1-28721

- Lau, K.Y., Yariv, A. Transverse-modal behavior of a transverse junction stripe laser excited by a short electrical pulse 1-37141
- Lau, K.Y. *see* Harder, C. 1-51445
- Lau, S.S., Tsaur, B.Y., von Allmen, M., Mayer, J.W., Stritzker, B., White, C.W., Appleton, B. Ion-beam mixing of metal-semiconductor eutectic systems 1-36524
- Lau, S.S. *see* Grimaldi, M.G. 1-39769
- Lau, S.S. *see* Kuech, T.F. 1-50278
- Lau, Y.Y. *see* Barnett, L.R. 1-40351
- Lau, Y.Y. *see* Chu, K.R. 1-40350
- Laube, P., Reges, H. Five years' operation of the Langenprozelten Pump-Storage Station 1-49337
- Lauber, W.R. Quasi-peak voltages derived from amplitude probability distributions 1-37326
- Laubereau, A. *see* Graener, H. 1-37095
- Laucht, C.M. *see* Schnabl, J. 1-51893
- Lauckner, R. *see* Faugier, A. 1-48459
- Laude, D.P. A monolithic subscriber line interface 1-33874
- Laude, D.P. A monolithic subscriber line interface circuit [in bipolar technology] 1-52002
- Laude, J.-P., Flamand, J., Lerner, J.M. Diffraction-limited wavelength multiplexers/demultiplexers: a new approach 1-37941
- Laudenslager, J.B. *see* Pacala, T.J. 1-51395
- Laudyn, D. Belchatow mine and power plants 1-30973
- Lauer, E.J. *see* Alvarez, R.A. 1-48449
- Laughton, M.A. Generation from North Sea gas—is Britain missing out? 1-31052
- Laughton, M.A. *see* Parton, K.C. 1-49171
- Laugier, A. *see* Henry, Y. 1-27121
- Laukhuf, W.L. *see* Cartmill, B. 1-44564
- Lauks, I. Polarizable electrodes. II 1-52431
- Laulicht, I. Self-oscillations in a hybrid bistable optical device 1-46790
- Laumer, H. *see* Mallory, M.L. 1-42827
- Laumond, Y. *see* Gillet, R. 1-31182
- Launay, G. *see* Mevel, J.-Y. 1-52138
- Laune, B. *see* Acerbi, E. 1-52739
- Launikitis, J.A. *see* Brearley, L.E. 1-27667
- Launois, H. *see* Burgeat, J. 1-32057
- Laque, J.-P. *see* Jones, M. 1-34688
- Laura, P.A.A., Levy, R. Comments on 'Conformal transformations combined with numerical techniques, with applications to coupled-bar problems' 1-41181
- Laura, P.A.A., Sarmiento, G.S., Gutierrez, R.H. Approximate solution of the Helmholtz equation in a type of doubly connected region using polynomial approximations 1-42028
- Laurelli, P. *see* Baldini-celio, R. 1-27355
- Laurence, G. *see* Hotter, F. 1-45919
- Laurant, D. Assessment of the Cosmos Programme 1980 1-52825
- Laurer, G.J., Palounek, L.R. Nematic liquid crystal high voltage monitor 1-30200
- Laurer, G.J. *see* Cato, R.T. 1-27272
- Lauridsen, O., Gunthersen, C. New probe microphone for investigating the acoustics of the ear 1-38615
- Laurinavichyus, A.K. *see* Pozhela, Yu.K. 1-36452
- Laurinavichyus, A.K. *see* Vitkus, A.M. 1-42738
- Lauritzen, S. *see* Eriksrud, M. 1-33074
- Lauritzen, T., Sah, R.C. The PEP liquid level system 1-48276
- Laursen, A. *see* Stangerup, P. 1-49631
- Lauruschkat, H. Evaluation method for the planning of the optimal use of technical working aids 1-35636
- Lauterwald, B., Seidowski, T. Multi-spot resistance soldering of copper foil on to iron-nickel alloys 1-53824
- Lauther, U. An O(N log N) algorithm for Boolean mask operations 1-50997
- Laux, S.E., Lomax, R.J. Numerical investigation of mesh size convergence rate of the finite element method in MESFET simulation 1-46168
- Laval, S., Bru, C., Castagne, R., Arnodo, C. Experimental evidence for velocity overshoot in AsGa from photoconduction measurements 1-51259
- Lavender, W.M. *see* Gilmore, R.S. 1-34430
- Lavers, J.D. An analysis of an electromagnetic mold for the continuous casting of nonferrous metals 1-53806
- Laverty, S.J. *see* Cahill, S.J. 1-35581
- Lavi, S., Gabay, S., Miron, E., Erez, G. Self-calibrating technique for beam divergence measurements of CW and pulsed lasers 1-33258
- Lavi, S. *see* Tenenbaum, J. 1-28634
- Laviolette, J. New airplanes and a strategy for maintenance 1-49977
- Laviron, A., Berard, C., Manaranche, J.C., Quenee, R. Reliability calculations: ESCAF, a rapid economical system 1-31899
- Laviron, M., Delagebeudeuf, D., Delescluse, P., Chaplart, J., Linh, N.T. Low-noise two-dimensional electron gas FET 1-46134
- Laviron, M. *see* Delescluse, P. 1-32673
- Laviron, M. *see* Massies, J. 1-36514
- Lavkin, A.G. *see* Vishnevskii, N.K. 1-30377
- Lavoie, J.M.M. *see* Chan, Y.T. 1-33612
- Lavrench, W. *see* Belrose, J.S. 1-41415
- Lavrencic, F. *see* Jelenc, J. 1-48128
- Lavrent'ev, A.G. Magnetic noise of alloy 79 NM specimens in pulsed rectangular and sinusoidal excitation fields 1-46383
- Lavrienko, V.A. *see* Milyakh, A.N. 1-44128
- Lavrinenko, V.A. *see* Milyakh, A.N. 1-49398
- Lavrischev, V.P. *see* Emel'yanov, A.V. 1-40472
- Lavrov, A.M. Incorrect Cauchy problems and a uniqueness theorem for partial differential equations 1-50086
- Lavrov, Yu.V. A technique for measuring low absolute gas pressures at high flow rates 1-38312
- Lavrova, T.I. *see* Nikol'skii, V.V. 1-33384, 1-33385
- Law, A.M., Kelton, W.D., Koenig, L.W. Relative width sequential confidence intervals for the mean 1-35780
- Law, J.J. Boiler water analysis using ion chromatography 1-43948
- Law, R.D., Jeffery, R.W. System for the measurement of the attitude of wind tunnel models 1-52842
- Law, S. *see* Ghaderi, M.B. 1-45445
- Law, S.S. Providing industrial engineering training in Singapore 1-26815
- Laws, R.A. Electron beam lithography at the Rutherford Laboratory 1-46034
- Lawley, K.L. *see* Reisinger, A.R. 1-34377
- Lawn, B.R., Marshall, D.B., Chantikul, P. Mechanics of strength-degrading contact flaws in silicon 1-45906
- Lawrence, C.H. Videodisc 1981 1-52255
- Lawrence, C.H. RCA videodisc circuitry 1-52256
- Lawrence, D.J. *see* Bullen, A.A. 1-31638
- Lawrence, G.P., Cooper, R.K., Hudgings, D.W., Spalek, G., Jason, A.J., Higgins, E.F., Gillis, R.E. LASL high-current proton storage ring 1-42870
- Lawrence, J.D. Need for remote-sensing systems of the atmosphere 1-48862
- Lawrence, K.D., Shier, D.R. A comparison of least squares and least absolute deviation regression models for estimating Weibull parameters 1-44862
- Lawrence, L.H. *see* Ritchie, D.A. 1-47497
- Lawrence, N.B., Moore, J.D. Performance results of an MTI/FFT CFAR radar signal processor 1-42311
- Lawrence, P.R. *see* Lane, H.W. 1-26840
- Lawrence, R.S., Johnson, L.O., Tsang, F.Y., Nieschmidt, E.B., Vegors, S.H., Jr. An electronics system for transuranic waste assays 1-34497
- Lawrence, T.R., Post, M.J., Hardesty, R.M., Keeler, J., Richter, R.A., Huffaker, R.M., Hall, F.F. Long-range wind sensing using a pulsed Doppler CO<sub>2</sub> lidar 1-48864
- Lawrence, V.B., Salazar, A.C. Finite precision design of linear-phase FIR filters 1-27520
- Lawrie, R.J. Louisiana supermode saves lighting energy [computerised control] 1-53770
- Laws, K.I. Rapid texture identification 1-48888
- Lawson, E.M. Laser doping—a method for producing thin contacts on semiconductor nuclear radiation detectors 1-38423
- Lawson, J.D. A survey of some ideas for accelerators using laser light 1-52621
- Lawson, J.D. *see* Namkung, W. 1-43206
- Lawson, K.J. *see* Pearsall, N.M. 1-50329
- Lawson, R.W. Traffic usage forecasting: is it an art or science? [telephony] 1-33751
- Lawson, S.S. Implementation of wave digital filter structures 1-45534
- Lawson, V.R. The National Electric Safety Code and its application to rural systems 1-49100
- Lawton, K.L. *see* Maddock, B.J. 1-34899
- Lax, B. *see* Drozdowicz, Z. 1-51345
- Lax, J. *see* Avery, R. 1-42826
- Lax, M., Batteh, J.H., Agrawal, G.P. Channeling of intense electromagnetic beams 1-28867
- Lax, M. *see* Agrawal, G.P. 1-33248
- Lax, P.D. *see* Harten, A. 1-35928
- Laxapati, S.R. *see* Shelton, J.P. 1-47046
- Laxdal, R. *see* Baartman, R. 1-48338
- Laxpati, S.R., Shelton, J.P. Theory of null synthesis of planar arrays 1-47045
- Laxpati, S.R., Skarpiak, C.M., Lee, C.Q. Characteristics of a square coaxial waveguide feed for a reflector antenna 1-51749
- Laxton, J.W. *see* Davies, I. 1-43901
- Lay, M.G. Technological perspectives in a changing world 1-26826
- Laybourn, P.J.R., Lamb, J. Integrated optics: a tutorial review 1-46564
- Laybourn, P.J.R. *see* Stewart, G. 1-36970
- Laycock, J., Chorley, R.A. The electro-optical display/visual system interface: human factors considerations 1-30021
- Layendecker, R.P. A large scale automated test facility for the 400H key telephone unit 1-52013
- Layer, H.P., Rowley, W.R.C., Marx, B.R. National Physical Laboratory-National Bureau of Standards iodine-stabilized helium-neon laser intercomparison 1-33185
- Layman, G.E. Coupling between submerged, vertically aligned loop antennas 1-39723
- Layman, R.W. *see* Felch, K.L. 1-32392
- Lazar, A.A., Schwartz, S.C. Optimal coding and decoding of a random telegraph wave for transmission through a Poisson type channel 1-33503
- Lazarev, V.A. *see* Selivanov, A.I. 1-45342
- Lazarou, D.F. Some considerations about the analogical inductive transducers (inductosyn type) 1-48074
- Lazarov, K. Method and algorithm for determining the optimum weekly working condition of hydroelectric station cascades 1-35087
- Lazarus, A.G., Jr., Paless, C.M. Disposal facility design for oil-fired boiler sludge 1-35044
- Lazarus, R.B. Self-similar solutions for converging shocks and collapsing cavities 1-35929
- Lazay, P.D. Effect of curvature on the cutoff wavelength of single mode fibers 1-28505
- Lazorenko, V.I. *see* Bessaraba, V.I. 1-27754
- Lazur, L. Further domains of controlling quality and security at the Hungarian Institute for Electrotechnical Control (MEEI) 1-50031
- Lazzari, M. *see* Bonino, F. 1-44351
- Le, B. Induced magnetic anisotropy in ferrites 1-28230
- Le, K.D., McCutchan, D.A. What is the worth of baseload availability? 1-43498
- Le Bars, J. *see* Benichou, J. 1-52639
- Le Berre, S. *see* Hareng, M. 1-52546
- Le Beux, P. *see* Moreau, C. 1-43289
- Le Borgne, Y. *see* Kish, P. 1-32442
- Le Comber, P.G. *see* Muller, G. 1-32662
- Le Comber, P.G. *see* Snell, A.J. 1-32677
- Le Comber, P.G. *see* Spear, W.E. 1-40996
- Le Diberder, F. *see* Behrend, H.-J. 1-43229
- Le Duff, J., Level, M.P., Marin, P.C., Sommer, E.M., Zyngier, H. Single beam collective effects on DCI 1-48485
- Le Duff, J., Level, M.P., Marin, P.C., Sommer, E.M., Zyngier, H. Space charge compensation with DCI 1-48509
- Le Duff, J. *see* Chehab, R. 1-48508
- Le Duff, J. *see* Denard, J.C. 1-42998
- Le Duff, J. *see* Thompson, D.J. 1-48292
- Le Flem, G. *see* Parent, C. 1-33133
- Le Flem, G. *see* Vlasse, M. 1-28571
- Le Floch, M., Loac, J., Globus, A., Pascard, H. Effect of hydrostatic pressure on the coercive force of polycrystalline garnets 1-28232
- Le Gall, H. *see* Desvignes, J.M. 1-39739
- Le Good, R.K. Testing digital transmission systems 1-42043
- Le Gras, M. *see* Carter, C. 1-42940
- Le Gras, M. *see* Gelato, G. 1-42919
- Le Guen, D. *see* Favre, F. 1-41108
- Le Guen, D. *see* Hirtz, J.P. 1-50294
- Le Mellot, J. *see* Poignant, H. 1-28447
- Le Nai, P. *see* Brassart, G. 1-28527
- Le Petit, J.P. *see* Peyrelasse, J. 1-48203
- Le Poidevin, G.J. Corrosion and fatigue failure of insulated copper conductors used for overhead power lines 1-49140
- Le Poole, J.B. Electron guns, state of the art 1-50714
- Le Poull, F. *see* Sarti, D. 1-53638
- Le Quang Khue, Stein, M., Diaconu, St. Mathematical model for the reliability evaluation of the electric system elements by using a passive reserve 1-38678
- Le Roux, G. *see* Burgeat, J. 1-32057
- Le Roux, J. *see* Grenier, Y. 1-41599
- Le Tron, Y. *see* Obregon, J. 1-45667
- Le Trong Muu *see* Janossy, M. 1-51341
- Le-zhu Zhou *see* Zhou Le-zhu
- Lea, M.C. Optical modulators based on electrocapillarity 1-51227
- Leach, H.A. *see* Oltman, H.G. 1-48027
- Leach, K.G. *see* Williams, R.J. 1-30389
- Leach, W.M. *see* Jain, V.K. 1-42476
- Leach, W.M. *see* McClain, E.F., Jr. 1-52292
- Leach, W.M., Jr. An amplifier input stage design criterion for the suppression of dynamic distortions 1-32201
- Leach, W.M., Jr. Active equalization of closed-box loudspeaker systems 1-47856
- Leakey, D.M. Microelectronic technology for advanced digital transmission systems 1-42044
- Leamy, H.J. Laser annealing and epitaxy 1-50287
- Lean, E.G. *see* Chen, W.H. 1-28204
- Lean, M.H., Wexler, A. Application of the boundary element method to electromagnetic scattering problems 1-51592
- Learned, J.G. *see* Cory, C. 1-34432
- Leary, D.E. *see* Dominey, J.R. 1-53217
- Leary, P.A. *see* Harper, J.M.E. 1-40516
- Leas, J.M., Lloyd, J.R. Method for laser annealing of polysilicon with reduced damage 1-32735
- Leas, J.M., Nagarajan, A. Thin polysilicon resistor process 1-40644
- Leas, J.M., Nagarajan, A., Smith, R.G. Polysilicon resistor contact doping process simplification—'No-end poly resistor' 1-40498
- Leas, J.M., Nagarajan, A., Smith, R.G. One-mask polysilicon resistor 1-46281
- Leather, J.A. *see* De Silva, G.M.S. 1-27714
- Leaver, D.E. *see* Armor, A.F. 1-43927
- Leavitt, R.P., Wortman, D.E., Dropkin, H. Millimeter-wave orotron oscillation. I. Theory 1-51300

- Leavitt, R.P. *see* Crowne, F.J. 1-46667  
 Leavitt, R.P. *see* Wortman, D.E. 1-51486  
 Leavitt, S.C. *see* Larsen, H.G. 1-38613  
 Lebaillly, J., Dupuy, M., Boisrobert, C., Fressy, G. Comparison of the aging behavior of diffused and epitaxial GaAlAs heterojunction electro-luminescent diodes 1-33155  
 Lebaillly, J. *see* Varon, J. 1-28598  
 Leban, I. *see* Jakl, F. 1-31275  
 Lebedev, A.A. *see* Voronkov, V.B. 1-32621  
 Lebedev, A.K. *see* Grigor'ev, S.V. 1-51321  
 Lebedev, F.V. *see* Abil'slitov, G.A. 1-37083  
 Lebedev, F.V. *see* Bondarenko, A.V. 1-51546  
 Lebedev, G.G. Determination of parameters of 1000 V induction motors in the absence of rated data 1-31232  
 Lebedev, I.A. *see* Sobornov, O.P. 1-30318  
 Lebedev, L.F. *see* Krasnopol'skii, A.E. 1-31333  
 Lebedev, L.K. *see* Sheikin, A.A. 1-36015  
 Lebedev, N.N., Skal'skaya, I.P. Charge distribution on a thin symmetrical circular lenticular conducting plate 1-33311  
 Lebedev, V.K., Troitskii, V.A., Zhukovskii, P.G., Postolatii, N.I. A welding transformer with power supply from the light main 1-49837  
 Lebedev, V.N. *see* Ageyev, A.I. 1-42866  
 Lebedev, V.V., Sheiman, V.L. An assessment of the possibilities of building an echo locator for the blind 1-43380  
 Lebedev, Yu.V. *see* Evalanov, E.N. 1-38388  
 Lebedeva, N.N., Mamedov, A.M., Zeinaly, A.H. Photoelectron states in ferroelectrics with diffused phase transitions 1-40742  
 Lebedinskii, E.V. *see* Ivankin, P.A. 1-35792  
 Lebed'ko, E.G. *see* Arzhanikov, Yu.N. 1-51822  
 Leber, E. *see* Bahder, G. 1-34882, 1-38758  
 Leber, H. *see* Adam, S. 1-43053  
 Leber, R.E. Innovative energy approaches in the public power sector 1-49316  
 Leber, R.L. *see* Zbasnik, J.P. 1-28373  
 Lebidois, G. *see* Micolet, R. 1-40684  
 Lebidois, J. Protection of information during transmission 1-47132  
 Lebediz, Z. *see* Seruga, W. 1-31699  
 Lebioda, G. *see* Las, T. 1-53124  
 LeBlanc, D. *see* Teichholz, L. 1-48697, 1-48730  
 Leblanc, E.G. *see* Charter, D.B., Jr. 1-52169  
 Leblanc, J.L. Analysis of extrudate swell behaviour of rubber compounds using laser scan detector 1-45146  
 Leboeuf, C.M., Kowalik, J.S., Edesess, M., Jayadev, T.S. Solar ponds for district heating and electricity generation 1-31125  
 Lebofsky, M.J. *see* Rieke, G.H. 1-30114  
 Leboulicaut, Ph. *see* Fougerson, C. 1-48378  
 Leboulleux, J. *see* Gallet, G. 1-49632  
 Leboutet, A. Contribution to splice loss evaluation by the backscattering technique: a statistical comparison with insertion loss data 1-28502  
 Leboutet, H. *see* Dei-Cas, R. 1-48439  
 Lebowitz, S.H. *see* Rhodes, S.A. 1-47609  
 Lebreton, A. *see* Bosch, M. 1-49143  
 Lebrun, P. *see* Billan, J. 1-48530  
 Leburton, J.P., Gesch, H., Dorda, G. Analytical approach of hot electron transport in small size MOSFETs 1-40616  
 Lec, R., Vetelino, J.F., Josse, F., Bailey, D.S., Ehsasi, M., Soluch, W. High temperature stable overlay configurations on X-rotated quartz 1-32949  
 Lecat, A., Simonon, M. Laboratory tests on seven types of MV solid-insulation compact equipment 1-49630  
 Lechanoine-Leluc, C. *see* Besset, D. 1-42776  
 Lechaton, J.S., Tsang, P.J. Processing method for pyramid-shaped VMOSFET 1-50944  
 Lechner, M. *see* Douglas, J. 1-52980  
 Lechner, D. Ladder crystal filters for the amateur 1-46355  
 Lechner, D., Rohlander, W. The narrow-band voice modulation system NBVM 1-29124  
 Lechner, H. *see* Schwarzenbach, H.U. 1-40756  
 Lechowski, Z., Skowronski, J. A new outlook on breakdown action caused by partial discharge in laminar insulating systems 1-40735  
 Leck, R.P. A microprocessor-based automatic frequency controller 1-29670  
 Leck, R.P. *see* Arnold, H.W. 1-28923, 1-37308  
 Leclerc, J. *see* Regnault, D. 1-52164  
 Leclerc, V. Programmable array logic in the programmable logic arsenal 1-45371  
 Leclercq, J. Action of the master scheme for matters of safety. [nuclear power stations] 1-34997  
 Leclercq, J.P. Linear stochastic programming, a multicriteria approach. I. Formulation 1-39614  
 LeComber, P.G. *see* Snell, A.J. 1-34333  
 Lecomte, P., Poelz, G., Riethmuller, R., Romer, O., Schmuser, P. Threshold Cerenkov counters 1-38430  
 Lecomte, P. *see* Burkhardt, H. 1-43210  
 Lecoq, P. *see* Royer, H. 1-34494  
 Lecouturier, D. *see* Paris, P. 1-48327  
 Ledda, F. *see* Papeschi, G. 1-30456  
 Ledebro, L.-A. *see* Jansson, L. 1-30044  
 Lederer, P.G., Lewis, T.J., Toomer, R. Transport processes in polymeric solids—the role of the surface and the electrodes 1-28147  
 Ledezma, O.R. *see* Marquez, R.D. 1-34886, 1-43700  
 Ledinegg, E., Schachinger, E., Schnizer, B. The difference between the conversion of TE-modes and TM-modes passing the solar terminator 1-46862  
 Lednitsky, R. *see* Vasiliev, V.V. 1-48466  
 Ledovskii, A.N., Sugrovov, A.M. Optimal design-projection of inductor generators 1-44116  
 Ledr, Z. Induction rotor starters of slip-ring induction machines 1-38974  
 Ledr, Z. Some milestones in the development of large DC machines by ASEA 1-38996  
 Ledr, Z. Method of calculation of a large power three-phase transducer 1-46848  
 Ledr, Z. External electrical means for changing the torque characteristic of a squirrel cage induction machine to a flat shape 1-53424  
 Leduc, B. *see* Jaumotte, A. 1-49253, 1-49300  
 Ledwidge, T.J. Engineering education in the 80s—a challenge 1-31779  
 Lee, A. *see* Kingsley, W.E. 1-42548  
 Lee, A. *see* Tran, M.Q. 1-36852  
 Lee, A. *see* Wysocki, J.A. 1-36899  
 Lee, A.C.L. Smoothing and filtering of meteorological data 1-48854  
 Lee, B.B., Furgason, E.S. Pseudo-random codes for multi-mode operation of phased arrays 1-38614  
 Lee, C.A. *see* Balasubramanyam, K. 1-50861  
 Lee, C.A. *see* Kondoh, H. 1-45672  
 Lee, C.F., Jenkins, W.K. A design approach for stray insensitive practical switched capacitor circuits 1-36065  
 Lee, C.F., Jenkins, W.K. Computer-aided analysis of switched-capacitor filters 1-45237  
 Lee, C.F. *see* Jenkins, W.K. 1-37558  
 Lee, C.H., Mak, P.S., DeFonzo, A.P. Optoelectronic modulation of millimeter-waves by picosecond pulses 1-28588  
 Lee, C.H. *see* Mathur, V.K. 1-38271  
 Lee, C.H. *see* Wei-Lou Cao 1-28681, 1-51432  
 Lee, C.K. *see* Pan, J.J. 1-37931  
 Lee, C.M., Chawla, B.R., Just, S. Automatic generation and characterization of CMOS polycells 1-46326  
 Lee, C.P., Welch, B.M., Fleming, W.P. Reliability of AuGe/Pt and AuGe/Ni ohmic contacts on GaAs 1-36515  
 Lee, C.Q. *see* Laxpati, S.R. 1-51749  
 Lee, C.Y. *see* Dening, D.C. 1-36674  
 Lee, D., Sourkes, A.M., Holloway, A.F., Reed, M.H. Performance evaluation of image-intensifier tubes 1-34613  
 Lee, D. *see* Fairhurst, K. 1-32063  
 Lee, D.L. S-band SSBW delay lines for oscillator applications 1-36772  
 Lee, D.L. Analysis of energy trapping effects for SH-type waves on rotated Y-cut quartz 1-51068  
 Lee, D.N. *see* Kortanek, K.O. 1-37686  
 Lee, D.S. Coil winding update: fine wire tension devices 1-39399  
 Lee, D.T., Hong, S.J., Wong, C.K. Number of vias: a control parameter for global wiring of high-density chips [LSI] 1-50971  
 Lee, D.T., Patel, J.N. Performance analysis of post focal plane processing using charge coupled devices (CCDs) [LWIR sensor systems] 1-47991  
 Lee, D.T. *see* Ahmed, H.M. 1-41565  
 Lee, D.T. *see* MacGregor Smith, J. 1-31983  
 Lee, D.T. *see* Morf, M. 1-41753  
 Lee, D.T. *see* Yoh-Han Pao 1-37626  
 Lee, D.T.L., Morf, M. Alpha-stationary distortion measures via ladder forms 1-39562  
 Lee, D.T.L., Morf, M., Friedlander, B. Recursive least squares ladder estimation algorithms 1-37496  
 Lee, F. *see* Yiu, K.P. 1-29821  
 Lee, F.C., Carter, R.A. Investigations of stability and dynamic performances of switching regulators employing current-injected control 1-53537  
 Lee, F.C. *see* Avant, R.L. 1-50375  
 Lee, F.C. *see* Rahman, S. 1-53547  
 Lee, F.C.Y. *see* Balachandran, S. 1-49566  
 Lee, F.S. *see* Long, S.I. 1-46311  
 Lee, G., Patton, R.N., McCourt, J.W., Orifice, D., Sottovia, P., Alex, P., Engelhardt, J. Progress in the field validation of the cable monitoring and rating system 1-30749  
 Lee, G. *see* Bourkland, K. 1-48374  
 Lee, G. *see* Harms, E. 1-43066  
 Lee, G. *see* McCourt, J.W. 1-34960  
 Lee, G.A. The double disc electric motor 1-35442  
 Lee, G.M. *see* Tatum, M.C. 1-42319  
 Lee, G.S. *see* Patton, R.N. 1-34193  
 Lee, G.Y. *see* Hsieh, H.C. 1-51462  
 Lee, H.F. *see* Cannon, M.J. 1-50967  
 Lee, I. *see* Doering, R. 1-34617  
 Lee, J. The probability for ballistic electron motion in n-GaAs 1-40393  
 Lee, J.C. A slender resonator-slot UHF antenna 1-41401  
 Lee, J.C., Akcasu, A.Z., Duderstadt, J.J., Van Tuyle, G.J., Fortino, R. Simplified models for transient analysis of nuclear steam generators 1-53195  
 Lee, J.G. *see* Mealy, G.L. 1-48981  
 Lee, J.H. Solar-pumped gas laser 1-51394  
 Lee, J.H., Weaver, W.R. A solar simulator-pumped atomic iodine laser 1-51326  
 Lee, J.K., Marcus, M.A. The deflection-bandwidth product of poly(vinylidene fluoride) benders and related structures 1-51059  
 Lee, J.L., Tewarson, A., Pion, R.F. Indexing method for cable classification using the FM laboratory-scale combustibility apparatus 1-34876  
 Lee, J.M. Electric shock—r.c.d.s are not the only protectors 1-44252  
 Lee, J.N., Berg, N.J., Casseday, M.W., Brody, P.S. High-speed adaptive filtering and reconstruction of broad-band signals using acousto-optic techniques 1-33659  
 Lee, J.N. *see* Casseday, M.W. 1-37857  
 Lee, J.S., French, R.H., Hong, Y.K. Error performance of differentially coherent detection of binary DPSK data transmission on the hard-limiting satellite channel 1-52080  
 Lee, J.S. *see* Miller, L.E. 1-41656  
 Lee, J.-S. Refined filtering of image noise using local statistics 1-44863  
 Lee, J.W., Jensen, H.G. Transmission tower limit analysis and design by linear programming 1-38794  
 Lee, J.W., Jensen, H.G. Transmission tower limit analysis and design by linear programming 1-43756  
 Lee, J.W. *see* Peyrot, A.H. 1-43735  
 Lee, J.Y. *see* Ranganath, T.R. 1-42582, 1-46567  
 Lee, J.Y.M. *see* Jack, M.D. 1-40469  
 Lee, J.Ya-Min *see* Ya-Min Lee, J.  
 Lee, K.F. *see* Kamins, T.I. 1-50283  
 Lee, K.F. *see* Minagawa, S. 1-35947  
 Lee, K.F. *see* Shibata, T. 1-50757  
 Lee, K.K. A compilation technique for exact system reliability 1-44755  
 Lee, K.L., Baker, R.W., Lonsdale, H.K. Membranes for power generation by pressure-retarded osmosis 1-44013  
 Lee, K.R. *see* Dwyer, S.J., III 1-43320  
 Lee, K.S.H. Inductive shielding of single- and multi-layered enclosures—a review 1-51633  
 Lee, K.Y. *see* Trefny, F.J. 1-43560  
 Lee, L. Estimating quantiles of the cumulative mean function of the nonhomogeneous Poisson process 1-44874  
 Lee, L., Pirie, W.R. A graphical method for comparing trends in series of events 1-50137  
 Lee, L.S. *see* Carter, G. 1-44621  
 Lee, M.H. *see* Eldridge, J.M. 1-45126  
 Lee, M.J., Blocker, C., Chao, A.W., Helm, R.H., Knight, T., Hollebeck, R.J., Nowak, J., Siegrist, J.L., Spencer, J.E., Stiening, R.F., Sun, T., Wind, H., Yao, C.Y. Mathematical models for the control program for the SLAC linear collider 1-42908  
 Lee, M.J., Wright, S.W., Judge, P. Stable thin-film transistors for liquid crystal matrix displays 1-50953  
 Lee, M.J. *see* Donald, M.H.R. 1-42924  
 Lee, M.-J. *see* Richter, B. 1-42876  
 Lee, M.L. *see* Wong, R.Y. 1-41695  
 Lee, M.S. *see* Ghaderi, M.B. 1-45506  
 Lee, P.H. *see* Monchalin, J.-P. 1-28758  
 Lee, R. Low noise moving-coil preamp 1-42491  
 Lee, R.C. *see* Thieberger, P. 1-52692  
 Lee, R.W. The future of rare earth-transition metal magnets of type RE<sub>2</sub>TM<sub>17</sub> 1-46432  
 Lee, S., Park, J.H., Jr. Spreading/nulling tradeoffs in an interference environment 1-28990  
 Lee, S., Rao, K.R. A video codec transmitter 1-47771  
 Lee, S., Rao, K.R. A video codec transmitter 1-52222  
 Lee, S.C., Pearson, G.L. Dark current reduction in Al<sub>0.3</sub>Ga<sub>0.7</sub>As heterojunction diodes 1-27982  
 Lee, S.C., Pearson, G.L. Rectification in Al<sub>0.3</sub>Ga<sub>0.7</sub>As-GaAs N-n heterojunction devices 1-45986  
 Lee, S.H., Grainger, J.J. Optimum placement of fixed and switched capacitors on primary distribution feeders 1-38751  
 Lee, S.H. *see* Athale, R.A. 1-33089, 1-41815  
 Lee, S.H. *see* Chen, S.D. 1-52528  
 Lee, S.H. *see* Grainger, J.J. 1-30724  
 Lee, S.H. *see* Rudduck, R.C. 1-41347  
 Lee, S.J. *see* Hartranft, M.D. 1-40724  
 Lee, S.K. *see* Ghosh, B.K. 1-50139  
 Lee, S.M., Chao, K.S. Multiple solutions of piecewise-linear resistive networks 1-50373  
 Lee, S.M. *see* Siskafus, E.N. 1-27167  
 Lee, S.S. *see* Kong, H.J. 1-33197  
 Lee, S.T., Yamayee, Z.A. Load-following and spinning-reserve penalties for intermittent generation 1-30618  
 Lee, S.T., Yamayee, Z.A. Load-following and spinning-reserve penalties for intermittent generation 1-34808  
 Lee, S.T. *see* Khan, S.U. 1-34776, 1-43512  
 Lee, S.T. *see* Taylor, L.L. 1-49015  
 Lee, S.T.Y. *see* Sidenblad, K.M. 1-43550  
 Lee, S.W., Cramer, P.W., Jr. Determination of specular points on a surface of revolution 1-46851  
 Lee, S.W. *see* Grun, L. 1-51705

- Lee, S.Y. *see* Cho, Z.H. 1-34577
- Lee, T.H., Khosla, R.P. A custom imager for high-speed video application 1-40364
- Lee, T.H., Thorne, D.H., Hill, E.F. Modified minimum cost flow dispatching method for power system application 1-34832
- Lee, T.H. *see* Gooi, H.B. 1-49261
- Lee, T.H. *see* Nielsen, R.L. 1-40683
- Lee, T.P., Burrus, C.A., Ogawa, K., Dentai, A.G. Very-high-speed back-illuminated InGaAs/InP PIN punch-through photodiodes 1-37031
- Lee, T.P. *see* Burrus, C.A. 1-51278
- Lee, T.P. *see* Lin, C. 1-40893
- Lee, T.W., Falco, C.M. Josephson effects in ultra-short mean-free-path superconductors 1-32995
- Lee, Y.H., Un, C.K. A performance study of delta modulation systems for voiceband data signals 1-29075
- Lee, Y.S. *see* Kreutel, R.W. 1-29671
- Lee, Y.Y. *see* Bywater, J.A. 1-52644
- Lee, Y.Y. *see* Terwilliger, K.M. 1-42787
- Lee Chi H. *see* Chi H. Lee
- Lee Chia-Hao *see* Chia-Hao Lee
- Lee Choochon *see* Choochon Lee
- Lee Deok-Chool *see* Deok-Chool Lee
- Lee Han-Sheng *see* Han-Sheng Lee
- Lee Jong-Hyun *see* Jong-Hyun Lee
- Lee Keun-Cheol *see* Keun-Cheol Lee
- Lee Ki-Seon *see* Ki-Seon Lee
- Lee Kok Huat *see* Kok Huat Lee
- Lee Kuang-Lu *see* Kuang-Lu Lee
- Lee Lin-shan *see* Lin-shan Lee
- Lee Man Shek *see* Man Shek Lee
- Lee Pang-Kai *see* Pang-Kai Lee
- Lee Ping *see* Ping Lee
- Lee Ru-Ying *see* Ru-Ying Lee
- Lee Sang Soo *see* Sang Soo Lee
- Lee Shung-Wu *see* Shung-Wu Lee
- Lee Tzer-Sen *see* Tzer-Sen Lee
- Lee Tzuo-Chang *see* Tzuo-Chang Lee
- Lee Wai-Hon *see* Wai-Hon Lee
- Lee Wen-Yang *see* Wen-Yang Lee
- Leek, R. *see* Karunathilaka, S.A.G.R. 1-44320
- Leeman, C. *see* Lambertson, G.R. 1-42997
- Leemann, B.T., Merrill, P., Syversrud, H.K., Wada, R., Yourd, R.B. A liquid film stripper for high intensity heavy ion beams 1-43073
- Leemann, C. *see* Austin, B. 1-42891
- Leemann, C. *see* Lambertson, G. 1-48525
- Leembruggen, L.R. Townmobile electric city transit system—the affordable, adaptable alternative 1-35469
- Leenen, A.J.H. *see* Bresser, O.R. 1-33071
- Leeper, R.J. *see* VanDevender, J.P. 1-30308
- Leepo Yu *see* Peckerar, M.C. 1-52381
- Lees, J. Submarine optical cable design 1-37924
- Lees, P., McAllister, D., Smith, J.R., Britton, L.G., Hughes, J.F. An experimental and computational investigation of electrostatic fields in plastic tanks during filling with low conductivity fuel 1-37257
- Leeuw, J.J.de *see* de Leeuw, J.J.
- Leeuw, S.De *see* de Leeuw, S.
- Leeuw den Bouter, J.A.de *see* de Leeuw den Bouter, J.A.
- Leeuwen, A.Van *see* Van Leeuwen, A.
- Leeuwen, K.A.H.Van *see* Van Leeuwen, K.A.H.
- Lefebvre, M. *see* Crosnier, Y. 1-40561
- Lefebvre, S., Carroll, D.P., DeCarlo, R.A. Decentralized power modulation of multiterminal HVDC systems 1-43645
- Lefevre, F., Turck, B. Experimental and theoretical investigations of losses in a multifilament composites subjected to transient axial fields 1-28293
- Lefevre, H. *see* Bergh, R. 1-36952
- Lefevre, H. *see* Jack, M.D. 1-40469
- Lefevre, H.C. *see* Arditty, H.J. 1-51188
- Lefevre, H.C. *see* Bergh, R.A. 1-28467, 1-46550
- Lefevre, J. Energy saving in compressed air installation. II. [pressure sensor] 1-42591
- Lefevre, P., Mohl, D., Plass, G. The CERN Low Energy Antiproton Ring (LEAR) project 1-48322
- Lefferts, P. A simple powerpack with output variable between 0.6-6 V 1-27255
- Lefort, M. Experimental equipment program and heavy ion physics at the GANIL research institute 1-52626
- Lefranc, G., Muller, K.-H., Dietrich, I. A superconducting lens system operated in the fixed-beam and the scanning mode 1-45888
- LeFree, M.-T., Vogel, R.A., Kirch, D.L., Steele, P.P. Seven-pinhole tomography—a technical description 1-34597
- Leffterov, A.G. *see* Khristov, H.R. 1-34060
- Leffterov, A.G. *see* Khristov, Kh.R. 1-34215
- Legate, A.C. *see* Hasibar, R.M. 1-34946, 1-39081
- Leger, G., Blake, P. Packet switching—the single chip approach [data communication] 1-29463
- Legge, H. *see* Boettcher, R.-D. 1-34647
- Leggett, T. Maintenance and administration position: the man-machine interface [electronic switching systems] 1-42079
- Leggieri, C. *see* Grossoni, M. 1-44240
- Legnani, V. *see* Decina, M. 1-29300
- Legowski, S. Measurements of the IF integrated circuits 1-28050
- Legrain, R. *see* Alard, J.P. 1-52717
- Legrand, M. *see* Voglaire, F. 1-45724
- Legret, M. Is electrical energy for industry too cheap? 1-38647
- Legro, J.R. *see* Nemeth, C.W. 1-43704
- Legros, W.P., Genon, A.M. Circuit breaker stochastic behaviour simulation 1-35303
- Legu, L.E. *see* Beketova, A.K. 1-37234
- Leheup, E.R., Moon, J.R. Yield and fracture phenomena in powder-forged Fe-0.2C and their prediction by NDT methods 1-27192
- Lehikolinen, H. *see* Lehto, S. 1-41361
- Lehm, R. *see* Bauer, W. 1-43110
- Lehman, H.R. *see* Slana, M.F. 1-37737
- Lehman, R., Edmunds, H.D. A procedure for evaluation of non-ionizing photocopy emissions [ocular hazard] 1-30488
- Lehmann, B. Uncalibrated rotating hot-wire probe for the measurement of small velocity vectors 1-30550
- Lehmann, E. *see* Albert, D. 1-48543
- Lehmann, H. *see* Bochaney, L. 1-49078
- Lehmann, L.A. *see* Riederer, S.J. 1-34591
- Lehmann, M. Universal feeding and charging rectifier for small telephone plants 1-44216
- Lehmann, M. *see* Hensel, W. 1-33484
- Lehmann, M. *see* Nolscher, C. 1-40847
- Lehmann, R. Higher-order Newton's methods for nonlinear eigenvalue problems 1-39670
- Lehmann, R. The synthesizer module of the ST 6000 1-42391
- Lehmann, W. The measurement of layer thickness in electronic components 1-34187
- Lehmann, W. *see* Bauer, W. 1-43110
- Lehmann, W. *see* Benichou, J. 1-52639
- Lehmberg, R.H. *see* McMahon, J.M. 1-51411
- Lehnert, G. TV transmitter true real intermodulation value measuring methods 1-34043
- Lehr, K.-J. Magnet coils for the JET project 1-37284
- Lehraus, L., Matthewson, R., Tejessy, W. Resolution limits of ionization sampling in high pressure drift detectors 1-43249
- Lehrer, W.I. *see* Delfino, M. 1-39815
- Lehrman, D.J. *see* Lerner, N.D. 1-50065
- Lehtinen, M. *see* Hagfors, T. 1-52942
- Lehto, S., Aitakangas, O., Lehikolinen, H., Suikola, R. The performance of adaptive antennas in HF communications 1-41361
- Lei, T.R. Synchronization accuracy and error analysis of open-loop TDMA systems 1-47578
- Leibold, H. *see* Fahrenkrog-Petersen, D. 1-49178
- Leibold, H. *see* Jaumann, R. 1-38817
- Leibovitz, J., Sawochka, S.G. Modeling of cooling-water leakage effects in PWR steam generators 1-53196
- Leibson, S., Mauser, M. How computers speak to each other. III 1-47384
- Leich, H. *see* Boite, R. 1-36262
- Leichter, S. *see* Lajoie-Mazenc, M. 1-49519
- Leighty, B. *see* Youngbluth, O., Jr. 1-43458
- Leijendeckers, P.H.H. The development of total energy systems in the Netherlands 1-52974
- Leijonhufvud, G. *see* Hult, E. 1-29323
- Leikand, M.S. *see* Borodachev, A.S. 1-31663
- Leilich, C.M. *see* Herzog, W. 1-32329
- Leimer, H.J. *see* Bitterli, J. 1-31024
- Lein, H. Providing fire safety for high-rise buildings 1-35606
- Leininger, G. *see* Merrill, W. 1-52922
- Leininger, M. *see* Theilacker, J. 1-42825
- Leinwand, S.M. Process oriented logic simulation 1-45427
- Leinwoll, S. New developments in jamming 1-34033
- Leipertz, A. High local resolution giant-pulse laser Raman system for low gas concentration detection 1-30565
- Leipertz, A. Non-contact local temperature measurement in gases by means of spontaneous laser Raman spectroscopy 1-34393
- Leipold, M.H. *see* Koliwad, K.M. 1-50312
- Leipoldt, R. Application of micro-computers in plants using industrial electric heat 1-44491
- Leipuner, L. *see* Makowiecki, D. 1-34500
- Leipuner, L.B., Larsen, R.C., Makowiecki, D.S., Morse, W.M., Rudolf, T.K., Sims, W.P., Adair, R.K., Black, J.K., Blatt, S.R., Campbell, M.K., Kasha, H., Schmidt, M.P. First experiences with a fastbus system at Brookhaven 1-43259
- Leipzig, K.D.T. *see* Schulz, W. 1-49077
- Leiss, J.E. Relevance of accelerator/storage ring technological developments to USA science and technology—past, present, and future 1-48305
- Leiss, J.E. *see* Chatterjee, P.K. 1-32825
- Leiste, R. *see* Deiters, K. 1-30336
- Leistikow, R. *see* Dreimann, K. 1-53700
- Leistner, D. Efficient p-type Si IMPATT diodes for V-band frequencies 1-50622
- Leitan, V.A. *see* Roshal', A.S. 1-46823
- Leitch, A. *see* Plante, R. 1-35794
- Leite, F.S., de Almeida e Albuquerque, J.P. Heuristic algorithms for TDMA burst assignment 1-47642
- Leite de Silva, A.M. *see* Allan, R.N. 1-43633
- Leith, D.W.G.S. *see* Gilmore, R.S. 1-34430
- Leitich, A.J., Linder, D.L. Portable telephones for cellular systems 1-29370
- Leitoila, A., Gold, R.B., Gibbons, J.F., Sigmon, T.W., Scovell, P.D., Young, J.M. Metastable As-concentrations in Si achieved by ion implantation and rapid thermal annealing 1-27922
- Leitzen, J.T., Peterson, J.E., Roberts, M.W. Internal data communications trap 1-47425
- Leive, G.W., Thomas, D.E. A technology relative logic synthesis and module selection system 1-45426
- Leizerovich, A.S., Malev, V.V. An analog computer for monitoring steam turbine rotor warmup 1-35002
- Lejeune, C., Gilles, J.-P. Improvement of multiply charged ion production for pulsed duoplasmatron or duoPIGatron 1-38406
- Lejeune, C. *see* Aubert, J. 1-38409
- Lejeune, C. *see* Gilles, J.-P. 1-38402
- Lekakh, M.N. *see* Borovoi, B.V. 1-43509
- Lekkala, J.O., Malmivuo, J.A.V. Noise reduction using a matching input transformer [magnetic field measurement system] 1-48019
- Leland, K.W., Sollenberger, N.R. Impairment mechanisms for SSB mobile communications at UHF with pilot-based Doppler/fading correction 1-29635
- Leland, W.T. *see* Comly, J.C., Jr. 1-51349
- Lelechuk, S.M., Mironenko, E.V. The effect of the design parameters of heavy lathe cutting tools on their strength and wear resistance 1-50058
- Leloup, A. *see* Meynaud, P. 1-35447
- Lema, M.D. Spectrum analysis by digital means. II 1-29189
- Lema, M.D. Digital methods of spectrum analysis 1-33643
- Lema, M.D. Spectrum analysis by digital methods. III. Handling and solving practical problems 1-41719
- Lemaire, J. *see* Lyszyk, M. 1-33243
- Lemaire, R. *see* Decrop, B. 1-36810
- Lemaître, R. *see* Ittel, J.M. 1-41923
- Lemanczyk, J., Holm Larsen, F., Hansen, J.E., Aasted, J. Calibration of standard gain antennas using a spherical near-field technique 1-41370
- Lemanowicz, J. *see* Wolinski, W. 1-50637
- Lemarchand, A. The Ariane-3 programme 1-34649
- Lemasson, P. *see* Gaulton, J. 1-50806
- Lemberg, H. A theorem of J.L. Krivine on the finite representation of  $l_p$  in a Banach space 1-44787
- Lemeilleur, F. *see* Hemery, J.-Y. 1-43092
- Lemer, E.J. Electromagnetic pulses: potential trippier [nuclear explosions effects] 1-41253
- Lemieux, C. Theory of flow control in shared networks and its application in the Canadian Telephone Network 1-33698
- Lemire, G., Rajagopalan, V. Antiparallel-connected thyristor scheme suitable for feeding highly inductive reversing load 1-49561
- Lemire, J. *see* Fancott, T. 1-52791
- Lemke, E. The problem of the locating of partial discharge defects in plastic-insulated high-voltage cables 1-49107
- Lemke, E. A new method of measuring of partial discharges on long high-voltage cables 1-53090
- Lemke, W.R. *see* Wrabetz, V.E. 1-46861
- Lemley, L.W. A radiation thermoelectric power converter 1-31322
- Lemme, H. Focus: lasers in practice 1-31876
- Lennell, P.A. *see* Cederlund, G. 1-30026
- Lemoine, D., Mendolia, J. Electrical properties of evaporated a-CdTe films 1-32638
- Lemon, L.M., Fletcher, W.I. Systematic digital systems development process supported by an interactive graphics system 1-35631
- Lemons, D.S. *see* Guiragossian, Z.G.T. 1-48408
- Len Mei *see* Chang, G. 1-45918
- Lena, G. Di *see* Di Lena, G.
- Lenarts, G. *see* Perks, R. 1-45805
- Lenarczyk, J., Majcher, M., Szydłowski, M. Evaluation of flexible mounting of the TWW-200-2 type turbo-generator stator iron 1-44038
- Lenarczyk, J. *see* Lukasiak, M. 1-44399
- Lenasi, K. The most economical form of three phase transformer 1-39023
- Lenz, I. Integrated set of models of the electric power system development—structure and application 1-30665
- Lenderking, B.N. *see* Wassel, W.W. 1-34192
- Lendvay, E., Gorog, T., Toth, A.L. LPE growth of GaAs<sub>1-x</sub>Sb<sub>x</sub> 1-39784
- Lendvay, E., Gorog, T., Toth, L.A. LPE growth of GaAsSb and AlGaAsSb 1-50301
- Lendvay, E. *see* Harsy, M. 1-39743
- Lencke, M. *see* Degele, D. 1-43142
- Lencke, M. *see* Hemmie, G. 1-43019
- Lencke, M. *see* Rossbach, J. 1-42785
- Lenenko, S.A. *see* Timoshenko, G.M. 1-49274
- Lengeler, H. Diagnostics for superconducting RF cavities 1-43099
- Lengeler, H. *see* Bernard, P. 1-48533
- Lengerman, L.H. *see* Goodrich, R.A. 1-39232
- Lenglart, E. Martingales and stochastic series in discrete time 1-26992
- Lenhart, K.G. Picture production and data technology in the Meteosat weather satellite 1-34689
- Lenk, J.D. Handbook of electronic meters. Theory and application 1-49866

- Lenkova, L.A. *see* Dontsova, V.V. 1-40983
- Lennart Nordberg Stepwise selection of explanatory variables in the binary logit model 1-31926
- Lennarz, K. *see* Moser, H.P. 1-44129
- Lennox, A.J. *see* Forster, R. 1-42976
- Lenstra, D. *see* Tumaikin, A. 1-51363
- Lenten, R. *see* Jansen, B.H. 1-30453, 1-43333, 1-43360
- Leny, J.Y. *see* Nguyen Van Dong 1-27838
- Lenz, B.S. *see* Kawanishi, H. 1-51464
- Lenz, J.E. Manufacturing system design tool—M-AST—an introduction 1-35548
- Lenz, J.E., Jr., Kelley, E.F. Computer-based calibration and measurement of an EEG data acquisition system 1-34622
- Lenz, P.A. *see* Chaudhuri, S.K. 1-52137
- Lenz, R.C. The payoff from US investment in aeronautical research and development 1-49936
- Leo, A.J. *see* McDonald, E.W. 1-30528
- Leo, M. *see* De Blasi, C. 1-33141
- Leo, R.A. *see* De Blasi, C. 1-33141
- Leo, T., Macellari, V. An optoelectronic device-microcomputer system for automatized gait analysis 1-52770
- Leon, B.J. *see* Thapar, H.K. 1-50391
- Leon, J.S., Pless, V., Sloane, N.J.A. On ternary self-dual codes of length 24 1-37412
- Leon, N.M. *see* Kirkman, D.H. 1-34210, 1-38131
- Leon-Garcia, A. Performance analysis of a hybrid-switched link 1-33900
- Leon-Garcia, A., Kwong, R.H. A flow control scheme for a hybrid voice/data link 1-29252
- Leon-Garcia, A. *see* Tanaka, H. 1-33448
- Leonard, J.T. Static electricity in hydrocarbon liquids and fuels 1-37256
- Leonard, R.F., Sim, G., Weiss, R. Automated in-line puddle development of positive photoresists 1-46215
- Leonard, T.D. *see* Rose, I.A. 1-34900
- Leonard, T.J. *see* Chin, A.K. 1-33163
- Leonardi, E., Maidment, R.T. Design and performance characteristics of high voltage XLPE insulated cables 1-43712
- Leonardis, S., Zrilic, D. Delta modulation in a communication system 1-29072
- Leonardo, G. *see* Roth, P.L. 1-52370
- Leonberger, F.J., Bozler, C.O., McClelland, R.W., Melngailis, I. Low-loss GaAs optical waveguides formed by lateral epitaxial growth over oxide 1-28431
- Leonberger, F.J., Johnson, L.M. Fabrication of multiple-branching single-mode waveguide circuits in  $\text{LiNbO}_3$  1-46569
- Leonberger, F.J. *see* Johnson, L.M. 1-36932, 1-36972
- Leong, M.S., Kooi, P.S. Q-band dielectric-loaded short backfire antenna arrays 1-41418
- Leong, M.S., Kooi, P.S., Yeo, T.S. Tunable double-ended dielectric-loaded microwave resonator for frequency-stabilisation applications 1-45606
- Leong, M.S. *see* Choo, S.C. 1-44793
- Leong, P. *see* Dunn, G.L. 1-52917
- Leonhard, W. *see* Boning, B. 1-49507
- Leonhard, W. *see* Claussen, U. 1-49508
- Leonhardt, G. *see* Gremmel, H. 1-49639
- Leonhardt, J.W., Popp, P., Goeldner, R., Grosse, H.-J. A space charge radionuclide battery 1-31473
- Leonhardt, M.L. Write driver circuit 1-32173
- Leonhardt, M.L. *see* Church, M.A. 1-28244
- Leonhardt, W. *see* Allinger, J. 1-43104
- Leonhardt, W.J. *see* Allinger, J.E. 1-43103
- Leoni, R. *see* Barbanera, S. 1-30410
- Leonkov, A.M., Mysak, I.S., Kuskov, I.A. Increasing the efficiency of regenerative heaters [steam power plants] 1-35048
- Leonov, I.G., Palees, E.E. Certification of electrical conductance standards for calibrating and checking nondestructive inspection facilities 1-50357
- Leonov, I.G. *see* Lange, Yu.V. 1-50360
- Leonov, N.B., Tyutikov, A.M. Formation of 'memory' in microchannel plates 1-36445
- Leont'ev, A.P., Sheiman, V.L., Skabelkin, N.M. Ultrasound therapeutic apparatus UZT-101 1-30473
- Leont'ev, G.E. *see* Kulemin, L.G. 1-42711
- Leontovich, A.M. *see* Varnavskii, O.P. 1-41077
- Leopold, K.E. *see* Taylor, R.S. 1-51391
- Leopold, L., Arndt, G.D. Solid-state alternatives for the solar power satellite 1-31134
- Leost, J.Y. Coupling of the French grid to the European grid 1-43486
- Leou Shang-Hwai *see* Deutch, B.I. 1-27932
- LePage, J.D. *see* Goretski, J.A. 1-36296
- Lepeltier, V. *see* Augustin, J.E. 1-43230
- Lepervanche-Valencia, J. *see* Heising-Goodman, C.D. 1-43874
- Lepeshinskii, I.N., Degtyarev, V.V., Savyskhin, S.A. Formalising the procedure of cost-effectiveness calculations in power engineering 1-38658
- Lepeshinskii, I.N., Gus'kov, S.V. Applying nuclear power stations for the regulation of the load curves of power pools 1-43842
- Lepoff, J.H. Matching: when are two lines better than one? 1-41263
- Lepore, J. *see* Meier, P.J. 1-47735
- Leporsky, A.A. On the applications of the Kalman method in the evaluation of the state of a non-linear motor system 1-37495
- Lepp, V.R. Control elements in AC circuits 1-31389
- Lepselter, M.P. X-ray lithography breaks the sub-micrometer barrier 1-40704
- Lerch, R. Electroacoustic properties of piezopolymer microphones 1-46364
- Lerner, I. *see* Eldridge, J.M. 1-45126
- Lerner, J.M. *see* Laude, J.-P. 1-37941
- Lerner, N.D., Lehrman, D.J. Annoyance of noise from power lines 1-50065
- Lerner, N.D. *see* Molino, J.A. 1-34904, 1-43730
- Leroy, M. Original improvements of TLM method 1-50608
- Leroy, Y. *see* Fabre, J.J. 1-41232
- Leroy, Y. *see* Mamouni, A. 1-48679
- Lesage, P., Audoin, C. Frequency stability of an oscillating maser: analysis of the effect of an external feedback loop 1-51295
- Lesczynski, A., Kobendza, A., Ignatowicz, S., Chorazy, M. GC-2 Hall read-head for reading of magnetic signs from hoisting ropes 1-30074
- Lesenne, J., Ravalitera, G., Notelet, F. Analytical study of a converter fed asynchronous motor 1-53461
- Lesenne, J. *see* Notelet, F. 1-53450
- Leser, B. Suspension of small objects by means of magnetic levitation 1-35203
- Lesgourgues, J. Brazing, diffusion-brazing and diffusion welding of titanium and its alloys 1-44686
- Leshchev, V.A. *see* Gerasimyak, R.P. 1-31507
- Leskela, M. *see* Holsa, J. 1-41003
- Leskov, G.I. *see* Savitskii, M.M. 1-44537
- Leskovar, B. *see* Lambertson, G. 1-48525
- Leskovar, B. *see* Lambertson, G.R. 1-42997
- Leskovar, B. *see* Lo, C.C. 1-32583, 1-32588
- Leskovar, B. *see* Turko, B.T. 1-34231
- Leslie, C.M. *see* Williams, J.M. 1-28863
- Leslie, D.H., Trusty, G.L., Dandridge, A., Giallorenzi, T.G. Fibre-optic spectrophone 1-51160
- Leslie, P.J., Pemberton, J.H., Wheatley, D.J. Industrial design and human factors 1-26898
- Lesniewski, A. *see* Kulikowski, J. 1-36817
- Lesniewski, J., Orlowski, Z. Vibro-acoustic evaluation method of steam turbine bearings condition 1-53262
- Lesniewski, J.M. Comparison of the relative cost effectiveness of brominated and chlorinated flame retardants in EPDM 1-32439
- Lesnik, V.A., Farenyuk, A.P., Druzhinin, O.B. Calculating the stray-load losses in the cylindrical solid rotor of a machine due to the stator voltage harmonics 1-31240
- Lesnik, V.A. *see* Slizskii, E.P. 1-38971
- Lessard, R.A., Welford, W.T., Zhang, F.L. Sea wave detection by optical Fourier transforms from Seasat SAR images 1-30553
- Lessard, R.D. *see* Giramonti, A.J. 1-31057
- Lessard, R.D. *see* Merrick, D. 1-49302
- Lesselier, D. *see* Bolomey, J.-C. 1-41203
- Lessi, J., Sarda, J.P. Scale models studies of well linking by hydraulic fracturing and fatigue microfracturing 1-53291
- Lester, R.M. Satellite services enter the second decade 1-52079
- Lesurf, J. *see* Birch, J.R. 1-28424
- Leswin, W.J. *see* Nijman, W. 1-37130
- Letardi, T. *see* Dattoli, G. 1-46660
- Letin, V.A. *see* Bordina, N.M. 1-28580
- Letitzky, H. Wharf crane plants for bulk goods 1-31743
- Letokhov, V.S. *see* Grasyuk, A.Z. 1-37077
- Letourtier, P. *see* Aune, B. 1-48429
- Letoquart, B., Skrzypczak, J.-M. MLS—an example of the use of the microprocessor 1-42353
- Letournel, M., Oberlin, J.C., Heng, G. Up-grading of the Strasbourg MP 10 1-42842
- Letournel, M. *see* Oberlin, J.C. 1-42841
- Letouzey, P., De La Cruz, F. Comparative geological study of measurements made with Godyear (X band) and JPL radars at the Vans test site 1-43420
- Lett, G.L. Organizing for profitable technology transfer 1-31817
- Lettau, H., Bohlen, H.G., Clover, M.R., Ingold, G., Ossenbrink, H., von Oertzen, W. A parallel plate avalanche counter as active aperture of a magnetic spectrometer 1-38456
- Lettieri, J. *see* Berg, E.J. 1-33606
- Letli, J. Design of the regulation of an induction motor drive with a current inverter 1-31222
- Letli, J. Investigation of the dynamic properties of a drive with an induction motor and current inverter 1-49720
- Leturcq, P. *see* Dorkel, J.M. 1-45916
- Letzring, S. *see* Bunkenberg, J. 1-51410
- Letzring, S. *see* Williamson, S. 1-50726
- Leu, G. *see* Voute, C.L. 1-42715
- Leuenberger, R., Christen, E. A predistortion technique for linear networks [active filter synthesis] 1-36246
- Leuenberger, R. *see* Eichler, J. 1-32343
- Leung, A.F. Demonstration of induction heating 1-39308
- Leung, C. On the capacity of an n-receiver broadcast channel with partial feedback 1-33425
- Leung, C. *see* Magee, T.J. 1-40382, 1-50748
- Leung, C.S.K., Lam, A. Performance of an ARQ scheme with forward error correction 1-29121
- Leung, C.S.K. *see* Cover, T.M. 1-41841
- Leung, K.N., Ehlers, K.W., Hooper, E.B., Jr. Low-energy ion beam transport by permanent magnets 1-43144
- Leung, K.N. *see* Ehlers, K.W. 1-34417
- Leung, K.S., Welch, L.R. Erasure decoding in burst-error channels 1-37410
- Leung Shu-Hung *see* Shu-Hung Leung
- Leuning, R. *see* Lang, A.R.G. 1-48849
- Leupold, H. *see* Rothwarf, R. 1-46426
- Leupold, M.J., Hale, J.R., Iwasa, Y., Rubin, L.G., Weggel, R.J. 30 Tesla hybrid magnet facility at the Francis Bitter National Magnet Laboratory, Massachusetts Institute of Technology 1-51127
- Leupold, M.J. *see* Iwasa, Y. 1-28370
- Leuskiy, V.Ye. *see* Baulin, V.I. 1-36331
- Leutiger, H. *see* Theus, U. 1-27474, 1-40655
- Leutwyler, H.R. Relays 1-40278
- Lev-Ari, H., Kailath, T. Ladder-form filters for nonstationary processes 1-29205
- Lev-Ari, H., Kailath, T. Autoregressive models for nonstationary discrete-time processes 1-33464
- Lev-Ari, H., Kailath, T. Schur and Levinson algorithms for nonstationary processes 1-41754
- Levadou, F. *see* Bosma, J. 1-34656
- LeVan, P.D. Preamplifier noise in indium antimonide detector systems 1-48103
- Levandovskiy, V.G., Strikha, V.I., Chayka, G.Ye. 1-V characteristics of Schottky diodes with generation-recombination in the space charge region taken into account for diode theory 1-40544
- Levanon, N., Yalin-Mor, E. Doppler radar tracking of hostile fire 1-47705
- Levanoni, M. *see* Bogardus, E.H. 1-46843
- Levanoni, M. *see* Chastang, J.C. 1-46202
- Levchenko, A.M. *see* Petrov, G.L. 1-35545
- Levchenko, G.M. *see* Kuleshov, V.N. 1-32226
- Levchenko, V.O. *see* Cheng, P.Y. 1-28131
- Level, M.P. *see* Chehab, R. 1-48508
- Level, M.P. *see* Denard, J.C. 1-42998
- Level, M.P. *see* Le Duff, J. 1-48485, 1-48509
- Leven, S.S. Proper optimization of the thick-film process for TCR and sheet resistivity 1-45812
- Levenberg, N.E. *see* Tsaryuk, A.K. 1-49835
- Levendel, Y.H., Menon, P.R. Comparison of fault simulation methods—treatment of unknown signal values 1-36212
- Levene, M.B. *see* Chin, L.M. 1-34633
- Levenson, M. R & D status report: Nuclear Power Division [of EPRI] 1-30871
- Levenson, M. R & D status report. Nuclear power division 1-34544
- Levenson, M. R & D status report. Nuclear power division. [Multidimensional simulation of steam generator thermal hydraulics] 1-34985
- Levenson, M.D. Polarization coding of photochemical holes for multilevel logic memory 1-36992
- Levenson, M.D., Johnson, K.M., Hanchett, V.C., Chiang, K. Projection photolithography by wave-front conjugation 1-40488
- Lever, J.H. *see* Haasz, A.A. 1-48542
- Lever, R.F., Silvestri, V.J. Trench refill with chemical vapor deposition mixed glasses 1-40483
- LeVere, T.E. Inexpensive PROM programmer 1-36218
- Leveson, R.C. *see* Barker, N.J. 1-48881
- Levesque, D., Ludwig, D. The Sargos project: a satellite aided system for search and rescue 1-47574
- Levey, C.G. *see* Broer, M.M. 1-28750
- Levi, E., Birenbaum, L., Levran, A., D'Angelo, J. AC traction motors: a direct approach to their design 1-49769
- Levi, F. Present development of telephone transmission networks in rural areas 1-41903
- Levi, H.W., Memmert, G., Weis, M., Venzlaff, H., Wengender, H.J. Modeling safety planning in the back-end fuel cycle concept 1-30920
- Levij, M., Bordewijk, P. Application of Descamps' method to the measurement of microwave frequencies of permittivities of liquids 1-38275
- Levin, A.I. *see* Rudoi, V.M. 1-29957
- Levin, A.I. Thyristor control unit for camera stands 1-38029
- Levin, B., Shrout, P.E. On extending Bock's model of logistic regression in the analysis of categorical data 1-39531
- Levin, B.Kh. *see* Veselovskii, O.O. 1-35192
- Levin, G.G. *see* Auslander, A.L. 1-41809
- Levin, H.J. Orbit and spectrum resources strategies. Third World demands 1-52211
- Levin, K.H. *see* Janai, M. 1-50318
- Levin, L.A. *see* Tenenbaum, J. 1-28634, 1-28635
- Levin, L.M. *see* Kizin, V.D. 1-38864
- Levin, M.D. *see* V'yun, V.A. 1-28212
- Levine, A. *see* Brockett, P.L. 1-51759

- Levine, A.L.** The management process for design and installation of a Computer Aided Fire Dispatch (CAD) for the City of Baltimore 1—31810
- Levine, A.L.** The role of communications and remote sensing satellites in aiding management decisions 1—31814
- Levine, E.,** Ordenez, J. Analysis of thermal cycle fatigue damage in microsocket solder joints 1—46276
- Levine, M.** Understanding the rational and emotional for engineering and engineering students 1—39326
- Levine, M.,** Goldstein, D., Turiel, I., Herring, H., Estrada, H. Life cycle cost analysis in residential buildings and consumer appliances 1—31694
- LeVine, M.J.,** Chasman, C. Heavy ion injection from tandems into an isochronous cyclotron 1—42898
- Levine, P.A.** see Jastrzebski, L. 1—38133
- Levine, R.H.** see Coviello, G.J. 1—29331
- Leving, B.R.,** Yuditiskiy, A.I. Choice of the smoothing interval and of the power of the smoothing polynomial 1—47211
- Levins, D.** see Capel, A. 1—52915
- Levinsen, M.T.** see Feldman, M.J. 1—27608
- Levinshtein, M.E.** see Chasnikov, I.G. 1—40575
- Levinshtein, M.E.** see Gorfinkel', V.B. 1—32645
- Levinson, D.A.** A simple computer graphics technique for spacecraft attitude dynamics simulations 1—48781
- Levinson, H.** see Vyse, B. 1—36433
- Levinson, J.** see Shepherd, F.R. 1—46164
- Levinson, L.M.** see Philipp, H.R. 1—36355
- Levinson, S.E.,** Liberman, M.Y. Speech recognition by computer 1—41543
- Levinson, S.E.** see Myers, C.S. 1—41587
- Levinson, S.E.** see Rabiner, L.R. 1—37431
- Levinson, S.E.** see Rosenberg, A.E. 1—41590
- Levintov, I.I.** see Buklei, A.E. 1—30325
- Levis, M.** see Hamner, S. 1—46154
- Levit, A.G.** Calculating the fault vulnerability characteristics of high voltage power transformer insulation from test results for a model of the insulation 1—35227
- Levitan, L.Ya.,** Fedorchenko, A.N., Sharko, A.V. Dependence of the acoustic characteristics of carbon steels on the mode of heat treatment 1—39834
- Levitas, I.S.** see Janaviciene, N.J. 1—36582
- Levite, J.M.** see Antonucci, R.F. 1—35648
- Levitin, L.B.** Direct and indirect quantum measurements yield equal maximum information 1—33430
- Levitin, R.Z.** see Valiev, U.V. 1—28237
- Levitskaya, E.I.** see Drobyshevskii, A.A. 1—35226
- Levitskii, O.E.** Magneto-transistor multivibrators 1—36166
- Levitsky, F.J.** see Emanuel, A.E. 1—39032, 1—44152
- Levitsky, F.J.** see Thomae, I.H. 1—34788, 1—43535
- Levitt, R.P.** see Dropkin, H. 1—45859
- Levonik, F.** see Vencelj, A. 1—49187
- Levran, A.** see Levi, E. 1—49769
- Levring, O.A.** see Ducholm, B. 1—36849
- Levterov, A.N.** see Malyshev, V.A. 1—36346
- Levy, A.** High-temperature inelastic analysis 1—39646
- Levy, B.** Zion see Zion Levy, B.
- Levy, D.** Planning of stocks and supplies 1—44641
- Levy, G.** see Baldini-celio, R. 1—27355
- Levy, G.F.D.** Forward stimulated Raman scattering (385  $\mu$ m) in a D<sub>2</sub>O laser 1—51360
- Levy, H.M.** see Metzke, G.M. 1—50304
- Levy, J.-P.** see Maisonneuve, M. 1—42114
- Levy, M.** see Fredricksen, H.P. 1—28309
- Levy, R.** see Laura, P.A.A. 1—41181
- Levy, S.** see Vezzoli, G.C. 1—36489
- Levy, W.A.** Packet-switching systems go private 1—33816
- Levy, W.A.,** Rothberg, M. Coaxial cable finds a home 1—33911
- Lew, A.L.,** Moore, B.C., Dozas, J.R., Burek, R.K. The Magsat telecommunications system 1—33963
- Lewandowski, W.** The analytic formulation of the external characterization of the DC-DC static converter 1—44221
- Lewellen, T.K.,** Murano, R. A comparison of count rate parameters in gamma cameras 1—34599
- Lewerenz, H.J.** see Menezes, S. 1—36542, 1—40988
- Lewin, A.Y.** see Blackley, D.L. 1—31944
- Lewin, J.** Nonsafety loads on class 1E power sources, revisited 1—34814
- Lewin, L.** The universities and telecommunications 1—26823
- Lewin, L.,** Ruehle, T. A note on the complex Poynting vector and on the fractional current on the upper surface of a microstrip line 1—28985
- Lewin, L.** see Gage, D.S. 1—35390
- Lewinska-Romicka, A.** see Solnica, W. 1—26915, 1—35996
- Lewis, A.** Phase equilibria and the growth of In<sub>1-x</sub>Ga<sub>x</sub>P by Peltier-induced liquid phase epitaxy 1—39783
- Lewis, A.W.** Ireland—requirements for remote sensing of wave data 1—30563
- Lewis, B.** An integrated approach to analog functional board testing 1—36664
- Lewis, B.** see Morgan, D.P. 1—36786
- Lewis, B.L.,** Kretschmer, F.F., Jr. A new class of polyphase pulse compression codes and techniques 1—47116
- Lewis, B.L.** see Bahl, L.R. 1—29130, 1—41602, 1—41607
- Lewis, B.L.** see Nadas, A. 1—41603
- Lewis, G.L.** see Berg, H.M. 1—46557
- Lewis, G.R.** Image stabilization techniques for long range reconnaissance camera 1—48908
- Lewis, H.D.** Using phased array radar for data communications 1—52145
- Lewis, J.E.,** Ho, P.S., Libertini, S.H. Reaction kinetics in Al/Pd/Si(100) junctions 1—45995
- Lewis, J.E.** see Rengarajan, S.R. 1—51197
- Lewis, J.G.,** Rehm, R.G. The numerical solution of a nonseparable elliptic partial differential equation by preconditioned conjugate gradients 1—39697
- Lewis, J.R.** see Anderson, R.E. 1—42209, 1—52172
- Lewis, J.W.** see Gradman, A.H. 1—48728
- Lewis, K.J.** see Bube, K.R. 1—49673
- Lewis, L.E.** Survey analysis breaks new ground [energy management] 1—52992
- Lewis, L.R.** see Hanfling, J.D. 1—47013
- Lewis, M.** Multi-machine rolling mill plant 1—44526
- Lewis, M.A.** see Valentin, J.R. 1—33285
- Lewis, M.F.** see Darby, B.J. 1—32933
- Lewis, P.A.W.** see Heidelberger, P. 1—39529
- Lewis, R.** Spherical scanning data processing; an algorithm for halving the data processing effort when the radiation into the back hemisphere is negligible 1—51671
- Lewis, R.** Spherical-wave source-scattering-matrix analysis of the mutual coupling between two antennas 1—51674
- Lewis, R.** see Zankl, G. 1—48602
- Lewis, R.B.** see Cannon, M.J. 1—50967
- Lewis, S.** see Lothrop, F. 1—48275
- Lewis, S.C.** Threshold-independent chip select input circuit 1—27417
- Lewis, S.M.** Distribution automation developments 1—30729
- Lewis, T.J.** see Lederer, P.G. 1—28147
- Lewkowicz, J.,** McDowell, J.A. Read preamplifier for a magnetic head 1—39944
- Lewkowicz, J.** see Bailey, J.A. 1—46411, 1—46413
- Leyris, J.P.,** Carlos, H., Aicardi, J.P. Photoconduction of natural cinnabar ( $\alpha$ -HgS) 1—46614
- Leyris, J.P.** see Carlos, H. 1—45937
- Leyrit, M.** see Giovachini, J.-L. 1—49489
- Iezhnyuk, P.D.,** Nagul, V.I., Pautkina, L.R. Using a subroutine function to represent the schemes of power networks during computer calculations 1—43630
- Lezvinskaya, L.M.** see Finkel, V.M. 1—35998
- L'Haridon, H.** see Favennec, P.N. 1—27821, 1—32750
- Lhersonneau, G.** see Verplancke, J. 1—48546
- Lhota, E.** see Plechac, L. 1—38764
- L'Hote, D.** see Alard, J.P. 1—52717
- Li, C.** see Forbes, L. 1—47902
- Li, H.J.,** Zhang, Z.W. A study of raindrop size distributions in central and northwest China and their effects on some propagation parameters for wavelengths from 0.86 cm to 10 cm 1—28877
- Li, S.S.** see Lin, J.F. 1—45917
- Li, S.S.** see Linares, L.C. 1—32611
- Li, S.-Y.R.,** Li, W.-C.W. Independence numbers of graphs and generators of ideals 1—39572
- Li, S.-Y.R.** see Gerber, H.U. 1—44880
- Li, S.-Y.R.** see Hedayat, A. 1—27016
- Li, T.P.L.,** Barton, G.T., Tang, C.C. Electrical stability of a conductive epoxy bonded interface 1—45837
- Li, W.-C.W.** see Li, S.-Y.R. 1—39572
- Li, W.H.** see Messerschmidt, D. 1—41530
- Li, Y.** Method of successive approximations for calculating the eigenvalues of optical thin-film waveguides 1—51150
- Li Chuan-yi, Xu Ji-yang, Zhang Jin-long, Yin Dao-le** A preliminary report on a superconducting magneto-hydronechanical separator 1—40872
- Li Danhui** see Mo Dang 1—27785
- Li Dong-sheng** see Li Guo-dong 1—28220
- Li Fu-li** Continuously tunable laser from infrared to X-ray region by using the relativistic Doppler effect or high-energy ion beam in negative-temperature state 1—51501
- Li Fu-ming** see Liu Yi-xian 1—41064
- Li Gongpan, Li Zengpu, Pei Tianli, Wang Chaoju** Some experimental studies of the calutron ion source 1—48549
- Li Guo-dong, Feng Min-yang, Shao Han-ru, Li Shi, Wu Wei-fang, Li Dong-sheng** Study of the magnetic properties and Mossbauer effect of a Fe-Cr-Co-Si permanent magnetic alloy 1—28220
- Li Hao-mo** A 4 GHz low-noise GaAs FET amplifier 1—45696
- Li Huixin** see Zhao Bolin 1—38590
- Li Kuo Heng** see Heng Li Kuo
- Li Quansheng** see Zhuang Wenjun 1—32842
- Li Shi** see Li Guo-dong 1—28220
- Li Shu-Zhen** see Liu Mao-San 1—52648, 1—52649
- Li Tong-Qi** see Li Zheng-Meng 1—34718
- Li Wang Wei** see Wang Wei Li
- Li Wen-Zi** see Wen-Zi Li
- Li Xiao-ju** see Shao Li-jin 1—33193
- Li Xiu-wen** see Xiu-wen Li
- Li Yu-Min** see Yu-Min Li
- Li Zengpu** see Li Gongpan 1—48549
- Li Zhao-lin** see Dai Shou-yu 1—51448
- Li Zheng-Meng, Li Tong-Qi, Yang Guan-De** Type JSZ-2 intermittent/continuous digital and automatic radon measuring instrument 1—34718
- Li-jin Shao** see Shao Li-jin
- Li-xing Zhou** see Zhou Li-xing
- Li-yu Chen, Camenga, R.E., Anolick, E.S., Malik, S.K.** A step stress test system for dielectric reliability testing 1—45157
- Liander, W.** The asynchronous motor: simple motor but difficult to control 1—31227
- Liander, W.** Power semiconductors. XVI. Power transistors can be applied in two ways 1—36595
- Liander, W.** Power semiconductors. XVII. Many new devices during the last few years 1—46139
- Liang, C.F.** see Paris, P. 1—48327
- Liang, C.F.** see Putaux, J.C. 1—52658
- Liang, C.H.,** Cheng, D.K. Characteristics of double aperture-cavity resonances 1—51697
- Liang, E.** see Geist, J. 1—51276
- Liang, K.,** Khuri-Yakub, B.T., Chou, C.-H., Kino, G.S. A three-dimensional synthetic focus system 1—38612
- Liang De-quan** see Gao Long 1—39003
- Liang Hong-lin** see Shao Shi-ping 1—34364
- Liang Huang Wen** see Wen Liang Huang
- Liang Jiuchun** see Sun Yuping 1—32729
- Liang Junhou** see Sun Yuping 1—32729
- Liang-zao Fan** see Fan Liang-zao
- Liao, A.S.-H.** see Shyh Wang 1—33235
- Liao, F.J.,** Boyd, J.T. Single-mode fiber coupler 1—51155
- Liao, J.H.** see Currence, R. 1—32486
- Liao Xian-bo** see Kong Guang-lin 1—27868, 1—50833
- Liberman, A.G.** Replacing the steel casing of the runner chamber in a feathering-blade hydroturbine, damaged by cavitation, with a bimetallic casing 1—43981
- Liberman, M.Y.** see Levinson, S.E. 1—41543
- Liberson, W.T.** Description of a special electrode for one channel recording from the scalp and the neck of early successive evoked sub-cortical and cortical somato-sensory potentials 1—48715
- Liberson, W.T.,** Fried, P. EEG power spectrum and confusion in the elderly 1—48716
- Libertini, S.H.** see Lewis, J.E. 1—45995
- Libove, J.,** Singer, J.R. Magnetic gradient mapping system for two dimensions 1—38281
- Librach, H.** Calculator plots time response of inverse Laplace transform 1—44797
- Libura, M.** Integer programming problems with inexact objective function 1—44977
- Libura, M.** Integer programming problems with inexact objective function 1—50227
- Libutti, B.L.,** Reisinger, W.E. A mobile measuring instrument for the monitoring of deposits and corrosion in industrial cooling water systems 1—49270
- Licci, F.,** Pareti, L., Rinaldi, S. Zn<sub>2</sub>W: improvements of magnetic properties by copper substitution 1—46400
- Licht, H.** see Ristic, V.M. 1—36804
- Lichte, R.** World-wide short wave receiver type ICF 2001 1—38007
- Lichtenberg, H.** Possibility of replacing oil by electricity 1—30857
- Lichtenberg, W.** see Glasow, P.A. 1—34453
- Lichtensteiger, M.,** Webb, C. Corona discharge-induced surface chemical effects on II-VI compounds 1—27795
- Liclican, L.C.** see Acedo, H.A. 1—32736
- Lide, M.I.** The electrical schemes of the ER2 electric train from No.1028 onwards 1—31544
- Lidgley, F.J.** see Saluja, K.K. 1—27383
- Lie, M.** see Chi-Song Horng 1—46243
- Lie Yang** see Yang Lie
- Lieb, D.** see Goodale, D.B. 1—31480
- Lieb, D.** see Stark, G. 1—31483
- Lieberg, M.** see Wang, S.-T. 1—28377
- Lieberg, O.A.** see Morgan, G.B. 1—41511
- Liberman, I.** AUTODIN II [advanced telecommunication system] 1—41977
- Lieberman, P.A.** see Tweedie, A.T. 1—50724
- Lieberman, R.** see Shackle, P.W. 1—27663
- Liebermann, R.W.** see Zollweg, R.J. 1—49783
- Liebig, W.** Perspectives of traffic radio engineering 1—47526
- Liebling, T.M.** see Grofflin, H. 1—27003
- Liebmam, J.S.** see MacGregor Smith, J. 1—31983
- Liebmam, W.K.** CAD for LSI circuits 1—40664
- Liedl, H.** A close look at tuning systems. I. From variable capacitor to capacitative diode [radio receivers] 1—34051

- Liedl, H. Tuning systems under the magnifying glass. II. Modern frequency indicators and presentation of digital systems 1-34053
- Liedl, H. Tuning systems under the magnifier. III. Voltage synthesis 1-52228
- Liem, S.H. All digital switching and distributed processing in PRX/D 1-52028
- Lien Chuen-Der *see* Chuen-Der Lien
- Lienard, J. Numerical realisation methods of a time compression operator 1-37532
- Lienhard, H. The problem of administered prices in the economy of electricity undertakings and their potential to influence the politics of energy 1-30594
- Lienhard, H. Are ideologies the basis of ideas about energy policy? 1-34979
- Lienhard, H. On the information content of time-based load curves 1-38638
- Lienhard, H. Evaluation of the elasticities of demand for and supply of electric energy 1-43605
- Lierl, H. *see* Behrend, H.-J. 1-43229
- Lierl, H. *see* Flugge, G. 1-43219
- Liero, A. *see* Kantelberg, G. 1-32403
- Liersch, G. Design and construction of Gundremmingen Nuclear Power Station 1-30878
- Liertz, H. *see* Aulich, H. 1-28457
- Liesegang, G.W., Smith, P.D. Improving vidicon linearity in the pulsed illumination mode 1-50727
- Lieto, A. Di *see* Di Lieto, A.
- Lieto Vollaro, A. De *see* De Lieto Vollaro, A.
- Lietz, M. *see* Abbas, C. 1-27988
- Lieu, D.K., Mote, C.D., Jr. An electronic ski binding design with biofeedback 1-30461
- Lievense, L.W., Zwemmer, D. The Lievense project combines wind and water power 1-48952
- Liewer, P.C., Lin, A.T., Dawson, J.M., Caponi, M.Z. Particle simulations of a finite-length free electron laser 1-46666
- Lifang Zhou *see* Zhou Lifang
- Lifanov, V.A., Zil'berman, S.Z., Marmeleev, G.N., Voronin, S.G. Optimisation of armature winding parameters in contactless DC torque motors 1-44114
- Liff, H., Rudomen, B. An image enhancement algorithm based upon the photographic adjacency effect 1-37653
- Lifson, D.P., Miedema, A.K. A comparative analysis of time-of-use electricity rate effects: the Arizona experiment 1-53003
- Ligeon, E. *see* Villepelet, B. 1-40504
- Light, A.R. *see* Jochem, W.J. 1-34314
- Light, J. *see* Janowitz, P. 1-52354
- Lightner, M.R., Director, S.W. Multiple criterion optimization for the design of electronic circuits 1-27205
- Lightner, M.R., Director, S.W. Multiple criterion optimization with yield maximization [monolithic IC design] 1-46207
- Lightner, M.R. *see* Cortelazzo, G. 1-50570
- Lightstone, A. *see* Szarka, F. 1-28460
- Ligon, J.M., Dykstra, K.U. The GPS Z-set goes to sea 1-29823
- Liharev, K.K., Snigirev, O.V., Tinchev, S.S. Analysis of SQUID operation in the hysteresis mode 1-33007
- Lii, K.S., Helland, K.N. Cross-bispectrum computation and variance estimation 1-50129
- Likharev, K.K., Migulin, V.V. Josephson effect millimeter range receivers (review) 1-46478
- Likharev, K.K. *see* Kuzmin, L.S. 1-28338
- Likharev, K.K. *see* Semenov, V.K. 1-28333
- Likharev, K.K. *see* Zavaleev, V.P. 1-28340
- Likharev, K.K. *see* Zavaleev, V.P. 1-33006
- Likhatskii, V.N. *see* Alekseev, G.V. 1-51658
- Lil-Mo Wang Average conductivity of complementary-error and Gaussian doped layers in gallium arsenide 1-40413
- Lilen, H. Four-bit microprocessors with pretensions to 8-bit performance 1-36185
- Lilen, H. Piezoelectric couplers for DC isolation 1-40758
- Lilen, H. Cassette bubble memories in the shape of mini-disc units 1-51095
- Lilenko, Yu.V. Investigation of photoelectric and recombination characteristics of a CdHgTe optical mixer [photoresistor] 1-45711
- Lilenko, Yu.V. *see* Voitsekhnovskii, A.V. 1-27801
- Lilienblum, W. *see* Borodulja, W.A. 1-42772
- Lilienthal, H. *see* Katelye, W. 1-39821
- Lillard, L.A., Acton, J.P. Seasonal electricity demand and pricing analysis with a variable response model 1-52983
- Lilly, C.J. The development of operational optical fibre systems in the British Telecom network and experience gained from installed systems 1-42257
- Lilly, J.D., Balanis, C.A. Radiation characteristics of a wire-surface antenna by the moment method 1-41398
- Lilov, D.N., Dimitrov, K.I. Applications and prospects of electronic systems for control and inspection of internal combustion engines 1-49775
- Lim, H.S., Verzwylt, S.A. Expansion mechanisms of the nickel electrode in an alkaline storage cell. I. Electrode bending experiments 1-31421
- Lim, J.S., Malik, N.A. A new algorithm for two-dimensional maximum entropy power spectrum estimation 1-41644
- Lim, J.S., Malik, N.A. A new algorithm for one-dimensional and two-dimensional maximum entropy power spectrum estimation 1-41765
- Lim, J.S. *see* Nawab, H. 1-41769
- Lim, J.S. *see* Oppenheim, A.V. 1-29222, 1-33623
- Lim, J.S. *see* Peli, T. 1-41828
- Lim, K.C., Thompson, J.D., Harrison, D.W., Huang, C.Y., Luo, H.L. Pressure-induced superconductivity in (Sn, Eu)<sub>2</sub>Mo<sub>2</sub>S<sub>8</sub> 1-46463
- Lim, M.H. *see* Chan, G.H. 1-39487
- Lim, T.C. *see* Motamedi, M.E. 1-32956
- Lim, T.C. *see* Neurgaonkar, R.R. 1-32946
- Lim, T.S., Ehrmann, C.H., Allison, S. Application of microprocessors in an upper atmosphere instrument package 1-42730
- Lim Chun Bin *see* Chun Bin Lim
- Limebeer, D.J.N. *see* Harley, R.G. 1-53470
- Limov, Yu.M., Vodopyan, L.I. Simulator for investigation of the characteristics of tracking pneumatic drives 1-42746
- Limono, M.E., Nosov, V.V., Chernyshev, V.I. Transmission of digital pneumatic signals over a wire communications line 1-37854
- Lin, A.L., Crouse, A.G., Wendt, J., Campbell, A.G., Newman, R. Electrical and optical properties of tellurium-doped silicon 1-36456
- Lin, A.T. Nonlinear saturations of parasitic instabilities in high-efficiency free-electron lasers 1-41040
- Lin, A.T. *see* Liewer, P.C. 1-46666
- Lin, B.J. *see* Bassous, E. 1-27896
- Lin, C. Diagnosis in a special class of systems 1-50380
- Lin, C., Bosch, M.A. Large-Stokes-shift stimulated four-photon mixing in optical fibers 1-28767
- Lin, C., Liu, P.L., Lee, T.P., Burrus, C.A., Stone, F.T., Ritger, A.J. Measuring high-bandwidth fibres in the 1.3  $\mu$ m region with picosecond InGaAsP injection lasers and ultrafast InGaAs detectors 1-40893
- Lin, C., Liu, R. Fault directory approach—a case study 1-50426
- Lin, C., Marcuse, D. Dispersion in single-mode fibers: the question of maximum transmission bandwidth 1-36906
- Lin, C., Shang, H.-T., Reed, W.A., Pearson, A.D. Phase-matching in the zero chromatic dispersion region of single-mode fibers for four-photon mixing 1-51528
- Lin, C. *see* Liu, P.L. 1-28736
- Lin, C. *see* Ogawa, K. 1-41106
- Lin, C.L. *see* Chu, T.L. 1-36476
- Lin, C.Y. *see* Slade, P.G. 1-32464
- Lin, H.C. *see* Papanicolaou, N.A. 1-47984
- Lin, H.C. *see* Wang, C.D. 1-38152
- Lin, H.-C. *see* Moffatt, D.L. 1-41202
- Lin, J., Henry, E.A., Meyer, R.A. Detection efficiency of Ge(Li) and HPGe detectors for  $\gamma$ -rays up to 10 MeV 1-38414
- Lin, J.E. *see* Hwang, H.L. 1-44364
- Lin, J.F., Li, S.S., Linares, L.C., Teng, K.W. Theoretical analysis of Hall factor and Hall mobility in p-type silicon 1-45917
- Lin, J.Y. *see* Hwang, H.L. 1-45099
- Lin, M.S. *see* Chen, L.J. 1-50754
- Lin, P.M. A hybrid matrix approach to switched-capacitor circuit analysis 1-45248
- Lin, S. *see* Kasami, T. 1-33498
- Lin, S. *see* Miller, M.J. 1-33536
- Lin, S. *see* Yu, P.S. 1-29678
- Lin, W. Mode theory of uniform waveguides filled with dielectric inhomogeneous along one direction only 1-50609
- Lin, W.J. *see* Hwang, H.L. 1-27118
- Lin, W.T. Adjustment costs and the theory of optimal investment and financing of the firm 1-50238
- Lin, Y.H. *see* Moore, R.K. 1-47719
- Lin, Y.-K.J. Segmentation of military vehicles for FLIR target detection 1-42302
- Lin, Y.S., Sanders, I.L. Contiguous-element memories increase storage tenfold 1-36838
- Lin, Y.S. *see* Keefe, G.E. 1-51097
- Lin Chnlon *see* Chnlon Lin
- Lin Chong Ming *see* Chong Ming Lin
- Lin Fu-cheng Laser action in an indium hollow cathode discharge 1-33176
- Lin Gi-chang *see* Gi-chang Lin
- Lin Heng-Cheng *see* Heng-Cheng Lin
- Lin Jin A reciprocity method for calibrating electro-mechanical transducers and seismographs 1-30533
- Lin Jinting Status of microwave semiconductor devices in China 1-45674
- Lin Junting, Wu Zhonglan Infrared in North China Research Institute of Electro-Optics (NCRIOE) 1-48105
- Lin Kun-Shan *see* Kun-Shan Lin
- Lin Lanying, Fang Zhaoqiang, Zhou Bojun, Zhu Suzhen, Xiang Xianbi, Wu Rangyuan A study of the residual impurities in LPE-GaAs 1-32635
- Lin Pen-Min *see* Pen-Min Lin
- Lin Shao-chi, Bao Zhi-xiang, Gong Guang-yuan, Huo Yun-sheng, Shu Ju-ping, Tang Shi-qing, Wei Yun-rong, Zheng Cheng-en Study of X-ray preionized avalanche discharge XeCl laser at high gas pressures 1-28616
- Lin Shi-ming Analysis of the time domain aperture antenna with theory of linear system 1-51668
- Lin Shi-ming Time domain analysis of the transient behavior of an aperture antenna 1-51669
- Lin Shu *see* Shu Lin
- Lin Shu-yuan *see* Kong Guang-lin 1-27868, 1-50833
- Lin Tzong-shyan *see* Tzong-shyan Lin
- Lin Weigan Recommendation and reference table of rigid elliptical waveguide data 1-37344
- Lin Xi-lei *see* Moens, L. 1-52681
- Lin Yu A research on the pattern generation method for testing LSI circuits 1-32843
- Lin Yu, Wei Shu-ming A two-layer logic circuit 1-27379
- Lin Zong-Qi *see* Zong-Qi Lin
- Lin-Hendel, C.G. Tristability in the electric-field-induced phase transformation of liquid-crystal films 1-33091
- Lin-Shan Lee The feasibility of two one-parameter polarization control methods in satellite communications 1-37879
- Lin-shan Lee, Ywh-Pyng Harn, Yih-cheng Chen A simple sample value scrambler using FFT algorithms for secure voice communications 1-29365
- Linard, R. *see* Gillet, I. 1-49664
- Linares, L.C., Li, S.S. An improved model for analyzing hole mobility and resistivity in p-type silicon doped with boron, gallium, and indium 1-32611
- Linares, L.C. *see* Lin, J.F. 1-45917
- Linares, R. *see* Philipp-Rutz, E.M. 1-46580
- Lincez, D. *see* Bulinski, A. 1-28177
- Lincoln, G.A. *see* Chu, A. 1-28082
- Lincoln, J.W. Support systems for JET 1-43507
- Lind, D.A. *see* Mao-bai chen 1-42819
- Lind, L.F., de Albuquerque, A.A. Efficient calculation of multimode CPFSK spectra 1-41479
- Lind, L.F., Mohammed, S.A. Construction of filter functions from phase polynomials 1-45442
- Lindahl, A.S. Service integrated digital in-house exchange 1-33879
- Lindberg, E.E., Merja, C.L. A precision X-Y stage and substrate handling system for electron beam lithography 1-50965
- Lindberg, F.A. Hybrid tape bonding with standard cell, reusable tape 1-45827
- Lindborg, U. Optical fibres 1-28440
- Linde, V., Tarelidze, V.I., Chobanyan, S.A. Characterization of certain classes of Banach spaces by properties of Gaussian measures 1-26996
- Lindell, G. *see* Aulin, T. 1-47106
- Lindell, I.V. On the quasi-TEM modes in inhomogeneous multiconductor transmission lines 1-46970
- Linden, C., Block, H. Electronic Seal, an innovation in data security 1-37407
- Linden, K. Transmission problems in the local digital exchange 1-52018
- Linden, V.L. *see* Carroll, W.H. 1-44750
- Lindenbaum, S.J. *see* Ludlam, T. 1-34431
- Lindenberg, W. *see* Althoff, K.H. 1-42878
- Lindenlaub, J. *see* Waks, S. 1-44620
- Lindenmeier, H.K. *see* Hopf, J.F. 1-41354
- Linder, D.L. *see* Leitch, A.J. 1-29370
- Linder, G., Svensson, B. Design method for modular digital system MDS 110. A PABX utilising a distributed control system 1-42110
- Lindfors, V. *see* Bjornstad, T. 1-48551
- Lindgren, A.G., Gong, K.F. Properties of a nonlinear estimator for determining position and velocity from angle-of-arrival measurements 1-37556
- Lindgren, A.G. *see* Zeman, J. 1-45529
- Lindgren, G.M. Coupler design in open dielectric waveguide with web registration 1-45612
- Lindgren, R. *see* Thieberger, P. 1-42849
- Lindle, J.R. *see* Moss, S.C. 1-50746
- Lindley, D. *see* Simpson, P.B. 1-49389
- Lindley, W.T. *see* Chu, A. 1-28082
- Lindmaier, K. Test methods for highly integrated circuits in the example of a family of remote controlled receivers 1-40656
- Lindmayer, J. Industrialization of photovoltaics 1-53666
- Lindmayer, M. Effect of work function and ionization potential on the reignition voltage of arcs between Ag-metal oxide contacts 1-32463
- Lindner, E.J. Installation testing with software systems. II. Testing the No.4 electronic switching system 1-37834
- Lindner, J. Range extension for indicating instruments 1-48139
- Lindner, J., Shehata, M.A., Stiebler, M. Magnetic fields and operational characteristics of iron-free homopolar machines with superconducting excitation windings 1-35178

- Lindner, P.A.** Quantitative aspects of thick film resistor design and processing 1-45822
- Lindner, R.** *see* Kuenzle, P. 1-49625
- Lindquist, C.S.** *see* Haas, W.H. 1-36272, 1-41664
- Lindquist, C.S.** *see* Olortegui, J. 1-36253
- Lindquist, C.S.** *see* Tiet Pham 1-36252
- Lindquist, L.O.** Potential nuclear safeguards applications for neutron generators 1-38867
- Lindquist, M.G.** 3RIP-COM: integrating information retrieval and computerized conferencing 1-37775
- Lindqvist, B.** Ergodic Markov chains with finite convergence time 1-44879
- Lindroos, L.** *see* de Bachtin, O. 1-42121
- Lindsay, J.** *see* Cockerill, D. 1-43233
- Lindsay, J.F., Venkatesan, K.** An electromechanical network model for frequency controlled induction motors 1-44089
- Lindsay, P.A.** Gyrotrons (electron cyclotron masers): different mathematical models 1-51296
- Lindsay, P.A., Chong, T.W.** Noise in crossed-field devices 1-32570
- Lindsey, D.E., Mayron, H.** Emitter/detector with collimation 1-31888
- Lindsey, R.E., Wagner, G.W.** GTD-5 EAX back-plane soldering by the vapor phase process 1-37819
- Lindsey, W.C., Chie, C.M.** A survey of digital phase-locked loops 1-27363
- Lindsey, W.C.** *see* Tsou-Chiang Huang 1-37877
- Lindstrom, C., Tihanyi, P.** Narrow stripe lasers for optical fiber systems 1-51470
- Lindstrom, E.R.** *see* Penner, S. 1-38340, 1-42871
- Lindstrom, G.J.** *see* Gajda, J.J. 1-45438
- Lindstrom, R.** *see* Dobyns, T. 1-47640
- Lineberry, M.C.** *see* Boyd, W.W. 1-42318
- Lines, P.W., Millington, D.** Optical fibre systems for the British Telecom trunk and junction networks 1-29776
- Linford, G.J.** *see* Martin, W.E. 1-51419
- Ling, J.C.** *see* Mahoney, W.A. 1-48608
- Ling Jun-da** *see* Jun-da Ling
- Ling Xie-ting** *see* Xie-ting Ling
- Lingard, S.** Traction drive technology—a contemporary review 1-31549
- Lingart, Yu.K., Petrov, V.A.** Surface temperature measurement for some semitransparent materials 1-30277
- Lingay, S., Wiechens, H.** The line switching installation 1-53566
- Lingaya, S., Parsch, C.P.** Characteristics of the force components of an air-cored linear synchronous motor with superconducting excitation magnets 1-49503
- Lingen, A.** *see* van van Lingen, A.
- Lingenfelder, H.** A wideband 100 MHz transistor amplifier 1-32207
- Lingenfelder, H.** Calculating the Y characteristics of linear amplifier circuits 1-39953
- Linggard, R.** High-speed digital filter bank 1-51800
- Lings, B.J.** *see* Payne, A.D. 1-29438
- Linh, M.T.** *see* Delescluse, P. 1-32673
- Linh, N.T., Huber, A.M., Etienne, P., Morillot, G., Duchemin, P., Bonnet, M.** Cr redistribution in epitaxial and implanted GaAs layers 1-27827
- Linh, N.T.** *see* Chevrier, J. 1-40403
- Linh, N.T.** *see* Delagebeaudeuf, D. 1-40586
- Linh, N.T.** *see* Laviron, M. 1-46134
- Linh, N.T.** *see* Massies, J. 1-36514
- Linh, N.T.** *see* Michel, C. 1-46020
- Linhares, S.J.** *see* Drozdowicz, Z. 1-51345
- Linholm, L.W.** *see* Buchler, M.G. 1-40681
- Linholm, L.W.** *see* Carver, G.P. 1-46212
- Link, G.L.** Test of a model for the humidity dependence of resistance [polymers] 1-28184
- Link, W.** The microcomputer in entertainment electronics. VIII. Microcomputer-peripheries. II 1-34204
- Linkinhoker, C.L.** *see* Heinrich, J.P. 1-28381
- Linkinhoker, C.L.** *see* Walker, M.S. 1-28287
- Linnainmaa, S.** Combatting the effects of underflow and overflow in determining real roots of polynomials 1-39669
- Linnebach, R., Benz, K.W.** Bridgman growth of AlSi 1-39750
- Linnecar, T.** Scandale A transverse Schottky noise detector for bunched proton beams 1-42907
- Linnecar, T.** *see* Boussard, D. 1-48497
- Linnenbrink, T.E.** Waveform acquisition methods for single transient signals 1-52415
- Lins, J.** *see* Bohn, J. 1-52237
- Lins, S.** A minimax theorem on circuits in projective graphs 1-50195
- Linser, G.** *see* Harigel, G. 1-52718
- Linsley Hood, J.L.** Wien-bridge oscillator with low harmonic distortion 1-27345
- Linstadt, J.E.** *see* Donald, M.H.R. 1-42924
- Lint, J.H.** *see* van van Lint, J.H.
- Linton, D.G.** Life distributions and degradation for a 2-out-of-n:F system 1-35684
- Lintott, D.** *see* Zeppieri, D.J. 1-45723
- Linzenkirchner, E.** Self-adaptive nonlinear filter for noisy measuring signals 1-27481
- Lio, K., Agawa, M., Shiga, T., Ota, M., Takahashi, O.** The application of a microcomputer to heat-pump chilling units 1-44514
- Lionetto, P.F.** *see* Clerici, E. 1-48993
- Lions, P.L.** Minimization problems in  $L^1(R^3)$  1-44987
- Lions, P.L.** Formula of Trotter and equations of Hamilton-Jacobi-Bellman 1-45052
- Liou, M.L.** A survey of analysis techniques for switched-capacitor circuits 1-50394
- Liou, M.L.** *see* Adams, R.L. 1-47437
- Lipa, J.F., Jr.** A modern maintainability prediction technique 1-44748
- Lipatov, V.S.** *see* Babin, V.V. 1-31332
- Lipes, A.V.** *see* Arzamastsev, D.A. 1-38656
- Liphardt, B., Liphardt, B., Luttkie, W.** Laser dyes with intramolecular triplet quenching 1-51398
- Liphardt, B.** *see* Liphardt, B. 1-51398
- Lipinski, H., Spang, S., Tydeman, J.** Supporting task-focused communication 1-37778
- Lipinski, W., Gramz, M., Krason, P.** Double-strip impedance calculation 1-41266
- Lipinski, W., Krason, P.** Calculation of current distribution in massive leads with alternating current with the help of integral equation 1-45703
- Lipinski, W., Radecki, J., Wasik, J.** Integral representation of sensor inductance changes by a ferromagnetic plate 1-38184
- Lipinski, W.** *see* Golebiowski, J. 1-28846
- Lipkovskii, K.A.** Spectral composition of output voltage of invertors with pulse amplitude modulation 1-39070
- Lipman, N.H.** *see* Bossanyi, E.A. 1-53333
- Lipovsky, G.J.** *see* Jenevein, R. 1-41991
- Lipp, H.M.** Structural design in digital technique 1-40058
- Lipparini, A., Marazzi, E., Rizzoli, V.** Computer-aided design of microwave parametric frequency dividers 1-45636
- Lipparini, A.** *see* Rizzoli, V. 1-36319
- Lippenyi, T.** Optomechanical considerations in laser microsurgery 1-52801
- Lippert, G.A., Kavch, M.** Frequency errors in the spectral estimates of complex sinusoids using the 'tapered' Burg technique 1-37594
- Lippitt, M.E., Miller, J.P., Halamaj, J.** Patterns of use and correlates of adoption of an electronic mail system 1-37710
- Lipshitz, S.P., Vanderkooy, J.** Polarity calibration tape 1-46417
- Liptak, B.G.** Save energy by optimizing your boilers, chillers, and pumps 1-53241
- LiPuma, J.P.** *see* Haaga, J.R. 1-34612
- Lirin, V.N., Kovacheva, L.I.** Utilization of turbo-generators of series TVV for reactive power consumption 1-35133
- Lis, S.A.** *see* Norris, C.B. 1-45985
- Lisek, B.** *see* Brandt, A. 1-50104
- Lisenkova, G.S.** *see* Makarevich, G.A. 1-42600
- Lisetskiy, N.V.** *see* Koshevoy, V.M. 1-47208
- Liseykin, I.D., Kozlov, Yu.V., Postnikov, A.D., Panchenko, V.F., Seregina, L.I., Pervova, A.I., Gubanov, V.Ya.** On utilization of heat-resistant elastic fabric for boiler unit compensators 1-35046
- Lisi, G.** *see* Bassi, E. 1-53711
- Lisica, V.M.** *see* Arnold, R.W. 1-28600
- Lisichkin, G.M.** *see* Baibikov, A.S. 1-49286
- Lisbecki, J., Calka, A., Matyja, H.** Metallic glass  $\text{Co}_{93}\text{Fe}_4\text{Si}_3\text{B}_{10}$ : a new material for magnetic head cores 1-46421
- Lisin, A.V.** *see* Richter, B. 1-42876
- Lisitsa, V.S.** *see* Barysnikov, F.F. 1-33168
- Liska, D., Machalek, M.D.** FMIT—the fusion materials irradiation test facility 1-38325
- Liska, D.J., King, J.D., Cole, T.R., Cimabue, A.G., Robeson, L.P., Creek, K.O., Harvey, A.** High radiation zone design of the FMIT high-energy beam transport 1-43078
- Liska, D.J.** *see* Creek, K.O. 1-48365
- Liska, M., Pavelek, M.** Control of pneumatic nozzles by optical methods 1-34399
- Lisogorskaya, L.P., Petrov, L.P.** Statistic evaluation of processing quality for motion picture film CO-T-90LM at radio-television centers 1-42379
- Lisovskii, A.V.** *see* Zhurkin, V.V. 1-52721
- Lisovskii, V.I.** *see* Domin, F.A. 1-43349
- Lisowski, P.W.** *see* Delheij, P.P.J. 1-43170
- Lissauer, D.** *see* Cockerill, D. 1-43233
- Lisser, J., Bouwknegt, K.** High-speed high-precision programmable magnet power supply for a wide range of magnet time constants 1-43087
- Lister, D.B.** *see* Esser, P.D. 1-34615
- Listvinsky, L.** *see* Heifetz, J. 1-45049
- Lit, P.H.J.** *see* van van Lit, P.H.J.
- Litherland, A.E., Beukens, R.P., Kilius, L.R., Rucklidge, J.C., Gove, H.E., Elmore, D., Purser, K.H.** Ultra-sensitive mass spectrometry with tandem accelerators 1-48663
- Litherland, A.E.** *see* Purser, K.H. 1-48666
- Little, W.C., Wilkins, T.J.** A phased approach to test design and test preparation 1-38111
- Litman, B., Eun, S.** The emerging oligopoly of pay-TV in the USA 1-52221
- Litovchenko, N.M.** *see* Glinchuk, K.D. 1-50764
- Litovchenko, V.G., Romanova, G.P.** Stimulated crystallization of dielectric films on semiconductor surfaces (Si/SiO<sub>2</sub>) 1-50889
- Litsenko, T.A.** *see* Afayn, V.V. 1-49345
- Littauer, E.L.** *see* Momery, W.R. 1-31418
- Littauer, R.** *see* Billing, M. 1-42862
- Littauer, R.** *see* Rice, D. 1-42989
- Littauer, R.** *see* Seeman, J. 1-43023
- Little, D., Morcott, T., Budelman, G.** Design/selection considerations for local area data link systems 1-37739
- Little, M.J.** Simple, effective stereo TV using controllable beam splitters 1-42420
- Little, M.J.** *see* Efron, U. 1-46592
- Little, P.** Lightning protection for aircraft 1-43399
- Little, R.G., Greenwald, A.C.** Pulsed electron beam annealing ion implanted materials: equipment and results 1-36651
- Little, T.** *see* Martin, G. 1-46265
- Littlejohn, M.A.** *see* Takeda, Y. 1-40391, 1-50774
- Littler, G.E.** The performance of an AC electrified railway system by harmonic frequencies 1-31575
- Littlewood, I.M., Webb, C.E.** Excitation mechanisms of the  $\text{N}_2^+$  laser 1-46683
- Littman, M.G., Liu, K.** Continuous single-mode scanning of tunable lasers: a new approach 1-51403
- Littman, M.G.** *see* Liu, K. 1-28669
- Litvinenko, A.A.** *see* Stasevich, R.K. 1-31687
- Litvinenko, O.N.** *see* Andrushko, L.M. 1-33383
- Litvinov, O.S.** The optimum control law of the weighting coefficients of adaptive antennas 1-41407
- Litvinov, O.S.** *see* Bakhrakh, L.D. 1-41304
- Litvinov, V.S.** *see* Zotov, A.F. 1-35494
- Litwinowicz, A.** *see* Zielinski, A. 1-38885
- Litz, D.C.** *see* Riemersma, H. 1-44163
- Litz, D.C.** *see* Ying, A.S. 1-31183
- Liu, B., Bateman, M.R.** Limit cycle bounds for digital filters with error spectrum shaping 1-36264
- Liu, B.** *see* Ansari, R. 1-47227, 1-50573
- Liu, B.** *see* Bateman, M.R. 1-45444
- Liu, B.** *see* Munson, D.C., Jr. 1-45071
- Liu, B.** *see* O'Brien, J. 1-42632
- Liu, B.** *see* Quirk, M. 1-37596
- Liu, C.C., Shmoys, J., Hessel, A.** Performance of a two-dimensional microstrip 'patch' element in a phased array 1-51743
- Liu, C.J., Olsen, J., Saunders, D.R., Wang, J.H.** Photoactivation of CdSe films for photoelectrochemical cells 1-53592
- Liu, C.T.** *see* Demczyk, B.G. 1-31417, 1-35334
- Liu, C.-T., Chun Hsiung Chen** A variational theory for wave propagation in inhomogeneous dielectric slab loaded waveguides 1-46988
- Liu, C.Y., Ting, C.H.** Solution to conductor crossing problem in magnetic bubble devices 1-40833
- Liu, D.C.** *see* Hwang, H.L. 1-44364
- Liu, F.C., Marshall, T.G., Jr.** Filter realization using a generalized Lagrange polynomial representation 1-45199
- Liu, H.K.** *see* Mu, G.G. 1-47242
- Liu, J.M., Yen, R., Donovan, E.P., Bloembergen, N., Hodgson, R.T.** Lack of importance of ambient gases on picosecond laser-induced phase transitions of silicon 1-32760
- Liu, K., Littman, M.G.** Novel geometry for single-mode scanning of tunable lasers 1-28669
- Liu, K.** *see* Littman, M.G. 1-51403
- Liu, K.C.** *see* Lugtu, R.L. 1-34829
- Liu, K.Y., Woo, K.T.** The effects of receiver tracking phase error on the performance of the concatenated Reed-Solomon Viterbi channel coding system 1-29118
- Liu, P.L., Lin, C., Damen, T.C., Eilenberger, D.J.** A simple picosecond pulse generation scheme for injection lasers 1-28736
- Liu, P.L., Marcotili, E.A.J.** Computer simulation of the velocity matched gate 1-28512
- Liu, P.L.** *see* Lin, C. 1-40893
- Liu, P.L.** *see* Ogawa, K. 1-41106
- Liu, R.** *see* Lin, C. 1-50426
- Liu, R.** *see* Saeks, R. 1-39358
- Liu, R.C.** *see* Hung, J.C. 1-39705
- Liu, S.G.** *see* Taylor, G.C. 1-46180
- Liu, S.T.** *see* Kim, S.K. 1-36637
- Liu, S.T.** *see* Park, H.S. 1-28024
- Liu, T.S., Pitkanen, D.E., McIver, C.H.** Surface treatments and bondability of copper thick film circuits 1-45845
- Liu, W.** *see* Atkins, D.E. 1-45421
- Liu, Y.S., Chiang, S.W., Bacon, F.** Rapid oxidation via adsorption of oxygen in laser-induced amorphous silicon 1-46066
- Liu, Y.Z.** *see* Milano, R.A. 1-36522
- Liu Cai Xia** *see* Wang Zue Zhong 1-41137
- Liu Gong-qiang** *see* Han Shi-ying 1-40825
- Liu Hong-du** *see* Hong-du Liu
- Liu Hua-Kuang** *see* Hua-Kuang Liu
- Liu Ji Zhou** *see* Wang Zue Zhong 1-41137
- Liu Ji-zhe** *see* Han Shi-ying 1-40825
- Liu Kua-Kuang** *see* Kua-Kuang Liu

- Liu Mao-San, Chen Ren-Huai, Wu Wen-Tai, Li Shu-Zhen On the analysis of segmented ring of permanent magnet multipole fields 1-52649
- Liu Mao-San, Wu Wen-Tai, Li Shu-Zhen, Chen Ren-Huai Distribution of 2-dimensional field of permanent magnetic plane head quadrupole and its geometric parameter selection 1-52648
- Liu Miao-hong *see* Chen Jian-wen 1-51339
- Liu Pao-Lo *see* Pao-Lo Liu
- Liu Shang-he, Lu Wu-xing, Ji Cheng-zhou, Chang Tung-he Properties of arsenic-implanted silicon after laser and thermal annealing 1-32627
- Liu Shanghe *see* Mo Dang 1-27785
- Liu Yi-xian, Zhao Yan-sheng, Li Fu-ming, Sun Bing-rong, Yang Shan-yuan Chlorophyll d dye laser 1-41064
- Liu Yueying *see* Wu Cunkai 1-37210
- Liu Zhao-rong, Chen Jin-e, Huang Dong-qun An analysis of frequency response of pressure transducer 1-38163
- Liuti, A., Settimo, F., Tosalli, A. The problem of spares in electronic switching systems 1-29529
- Livanyan, S.V. *see* Vasiliev, V.V. 1-48466
- Livens, L. EBR introduces a safer and cheaper low voltage cable 1-49104
- Livingston, A.E. Position-sensitive detection of extreme ultraviolet photons 1-38196
- Livingston, J.D. A review of coercivity mechanisms 1-46392
- Livint, G. Study of transitory regimes of asynchronous linear motors at the modification of supply voltage by numerical modelling 1-31226
- Livnat, A., Johnson, R.P., Zehr, J.E. Programmable miniature backpack stimulator for chronic biomedical studies 1-30391
- Livne, A. *see* Boorstyn, R.R. 1-33806
- Lizon-Tati, J. CRHESUS—a space cryostat for very low temperatures—state of development 1-52871
- Lizzi, F.L., Feleppa, E., Jaremko, N., King, D.L., Wei, P. A computer analysis system for ultrasonic backscatter from liver and kidney 1-38504
- Ljung, L. Boat horn 1-38609
- Li Chun-fei Nonlinear feedback bistable optical devices 1-46575
- Liabres, J., Arjona, F., Garcia, E. CdS/Cu<sub>2</sub>S solar cells 1-35366
- Liacer, J. Optimum filter for determination of the position of an arbitrary waveform in the presence of noise 1-34510
- Liacer, J., Haller, E.E., Hansen, W.L., Walton, J.T., Batho, E.K. Semiconductor detectors for medical tomography with high-energy heavy ions 1-34586
- Llanwyn Jones, D., Dodoo, J.N.D. Measurement of the wave impedance of low frequency electromagnetic waves in the Earth-ionosphere duct 1-46859
- Llewellyn-Jones, D. *see* Gebbie, H.A. 1-48219
- Llewellyn-Jones, D.T., Knight, R.J. Molecular absorption by atmospheric gases in the 100-1000 GHz region 1-46912
- Llinares, C. *see* Bordine, G. 1-53681
- Lloret, A. *see* Drevillon, B. 1-45106
- Lloris, A., Prieto, A. Relaxation procedure for calculation of potential distribution in nonlinear dielectrics 1-40730
- Lloyd, B.E. Professional engineering education in Australia, antecedents and futures 1-26805
- Lloyd, B.E. Education for engineering associates in Australia 1-26812
- Lloyd, F.L. *see* Hamilton, C.A. 1-28318
- Lloyd, G.E. *see* Hall, M.G. 1-43417
- Lloyd, J.R. *see* Danka, A.J. 1-40338
- Lloyd, J.R. *see* Leas, J.M. 1-32735
- Lloyd, K.J. Testing contaminated insulators at Project UHV for voltage levels of the future 1-34914
- Lloyd, K.J. *see* Comber, M.G. 1-53061
- Lloyd, L.K. *see* Kuhlmeier, K.V. 1-48686
- Lloyd, M.R. Dynamic starting performance of synchronous motors 1-44074
- Lloyd, P. *see* Alder, C.J. 1-52524
- Lloyd, S.P. *see* Labianca, F.M. 1-51823
- Lloyd, W.G. *see* Kelly, F. 1-39200
- Lo, C.C., Leskovar, B. Performance studies of the new generation AmpereX XP2020 photomultiplier 1-32583
- Lo, C.C., Leskovar, B. Performance studies of high gain photomultiplier having Z-configuration of microchannel plates 1-32588
- Lo, C.C. *see* Lambertson, G. 1-48525
- Lo, C.C. *see* Lambertson, G.R. 1-42997
- Lo, P. *see* Haddon, J. 1-46914
- Lo, P. *see* Mousley, T.J. 1-51603
- Lo, W. Infrared diode lasers 1-33225
- Lo, W. Highly reliable contacts for lead-salt diode lasers 1-37142
- Lo, W. *see* Partin, D.L. 1-41095
- Lo, W.C. Room temperature capacitance and dissipation factor measurement of chip capacitors—an interlaboratory evaluation 1-48201
- Lo, Y.T., Richards, W.F. Perturbation approach to design of circularly polarised microstrip antennas 1-41381
- Lo, Y.T., Richards, W.F. A perturbation approach to the design of circularly polarized microstrip antennas 1-51709
- Lo, Y.T. *see* Richards, W.F. 1-28973, 1-29002, 1-47037
- Lo Chun Moo *see* Chun Moo Lo
- Lo Hao-yung *see* Hao-yung Lo
- Lo Pei-Hwa *see* Pei-Hwa Lo
- Loadholt, J.T., Kaufman, S. Development of a flame resistant noncontaminating PVC jacket for coaxial cable 1-32447
- Loaec, J. *see* Le Floch, M. 1-28232
- Lob, C.G. *see* Beyers, J.W. 1-32310
- Lobachev, A.N. *see* Demianets, L.N. 1-31777
- Lobachev, A.N. *see* Fridkin, V.M. 1-33118
- Lobachevskiy, L.A., Suares, J., Tushentsova, I.A., Fishchuk, D.I., Tsedilina, Ye.Ye. Analysis of the conditions of propagation of decametric radio waves on a long path by the adiabatic method on a fixed frequency. I 1-51606
- Lobak, M.I. *see* Tabarnyi, V.G. 1-50984
- Lobanov, Yu.V. *see* Sabaneva, G.I. 1-31329
- Lobanova, T.P., Pakidov, A.P., Shirokov, V.L. Parametric synthesis of passive smoothing G-form LC-filters of high-frequency converters 1-49582
- Lobashev, V.M. *see* Barabash, A.S. 1-52669
- Lobb, D.E. Beam optical properties of the magnetic field produced by two coaxial coils 1-46836
- Lober, O. *see* Horton, R. 1-47519
- Lobko, V.V. *see* Grasyuk, A.Z. 1-37077
- Lobkowicz, F. *see* Jonckheere, A. 1-30300
- Lobkowicz, J. *see* Seinecke, S. 1-29760
- Lobov, S.I., Pavlovskaya, N.G. Possibility for the formation of a plasma during the initial stage of a high-voltage nanosecond vacuum discharge in a gas desorbed from an autocathode 1-50712
- Locher, H.P. The erection and maintenance of the SF<sub>6</sub> range of circuit breakers 1-31373
- Locher, M.F. The transmission of information by an optical channel 1-33978
- Lochmann, D. The significance of telecommunications and trends in its development 1-41866
- Lochmann, D. Main tendencies of the development of digital telecommunication 1-51899
- Lock, J. Corrosion monitoring systems are drawn into preventative maintenance 1-42519
- Lock, K., Slater, R.D. Model of shaded-pole induction motor 1-49459
- Lock, R. *see* Weidner, M. 1-34375
- Locke, E.F. *see* Cullen, C.W. 1-43673
- Lockie, D. What a five-cent phone call might do for the fiber optics industry 1-47668
- Lockner, T.R. Long-pulse intense ion source 1-30303
- Lockner, T.R., Humphries, S., Jr., Ramirez, J.J. Experiments on the acceleration and transport of multi-kiloampere ion beams 1-48410
- Lockner, T.R. *see* Humphries, S., Jr. 1-48411
- Lockwood, A. *see* Stapfer, G. 1-31477
- Lockwood, M. A simple model of the effects of the mid-latitude total ion trough in the bottom-side F layer on HF radiowave propagation 1-41243
- Lode, M.J. ECS: A technical description 1-33956
- Lode, M.J., Veastad, J.R. NORSAT: Isfjord, a satellite station in the wastelands 1-33953
- Lode, W., Peiter, A. X-ray-measurable deformations in superficial layers and their representations 1-45136
- Lodes, A. Application of laser-Doppler anemometer for determining statistical characteristics of turbulence 1-34400
- Lodge, K.J. *see* Brette, J. 1-32095
- Loeffler, A.L., Jr. Flow field analysis and performance of wind turbines employing slotted diffusers 1-35108
- Loeffler, C.M., Burrus, C.S. Equivalences of block filter representations 1-50572
- Loehlein, W. *see* Arzubi, L. 1-39901, 1-40000
- Loennecke, H. Minicomputer application in power supply testing 1-30839
- Loeper, B. To the computation of the asymmetric short-circuit current in interconnected three phase systems 1-53000
- Loeppert, P.V. *see* Neudeck, G.W. 1-40678
- Loerinc, B., Whitehead, E.G., Jr. Chromatic polynomials for regular graphs and modified wheels 1-50204
- Loescher, D. *see* Dal Porto, J. 1-44721
- Loesekraut, H. *see* Kahmen, H. 1-30536
- Loevenbruck, A. High level protocols for a satellite network 1-47621
- Loew, G.A., Wilson, P.B. RF systems and accelerating structures for linear colliders 1-48468
- Loew, G.A. *see* Clendenin, J.E. 1-42991
- Loew, G.A. *see* Richter, B. 1-42876
- Loew, M.H. *see* Sharkey, J.B. 1-29199
- Loewen, E.G. High speed optical scanning techniques for dimensional measurement 1-42741
- Loewenstein, W.B., Adamantiades, A.G. Current perspectives in nuclear safety R&D 1-53224
- Loferski, J.J. Photovoltaic solar cells 1-31448
- Loferski, J.J. Research options as seen from USA 1-53668
- Loferski, J.J. *see* Hwang, H.L. 1-44364
- Loffler, C. *see* Schwadtke, D. 1-49939
- Loffler, H. About the blocking effect in teleprocessing networks 1-29233
- Loffler, H., Kalchev, V. On stationary distributions of the output stream in batch transmission systems 1-51871
- Lofgren, E. *see* Chupp, W. 1-48405
- Logacheva, L.M., Shebaldin, D.Yu. A dissipative E-plane waveguide filter 1-36336
- Logan, B.W. *see* McElroy, A.J. 1-30848
- Logan, J.R. Automated network synthesizer compacts VLSI design 1-45179
- Logan, J.S., Schwartz, G.C., Standley, C.L. Oxide-nitride dual insulator process for memory metallization; large-small via etch sequence 1-27962
- Logan, J.S., Schwartz, G.C., Standley, C.L. Dual insulator with etch-stop for memory metallization; large-small via etch sequence 1-27963
- Logan, L. *see* McGuirk, M. 1-48094
- Logan, R.A. *see* Damen, T.C. 1-51405
- Logan, R.A. *see* Englert, T. 1-46173
- Logan, R.A. *see* Henry, C.H. 1-46738, 1-51465, 1-51466
- Logan, R.A. *see* van der Ziel, J.P. 1-51443
- Logg, C.A. *see* Deiss, S.R. 1-42802
- Loggini, M. A design method for nonlinear potentiometric film transducers 1-34240
- Logginov, A.S., Semyanisty, A.V. Generator of a pair of subnanosecond pulses with an adjustable duration and delay 1-27353
- Logie, P. *see* Yamagiwa, A.T. 1-49539
- Loginov, M.M., Mogilevskaya, L.Ya., Khotuntsev, Yu.L. Structural synthesis of amplifiers constructed from diodes with intervalley electron transfer 1-45307
- Loginov, V.M. *see* German, L.A. 1-30794
- Loginov, V.Yu. *see* Vashchenko, A.P. 1-42638
- Logosha, N.I. *see* Komissarov, O.V. 1-38874
- Logothetis, E.M. *see* Hetrick, R.E. 1-34241
- Logozinskii, V.N. *see* Gordon, S.A. 1-28480
- Logue, J.C., Kleinfelder, W.J., Lowy, P., Moulic, J.R., Wei-Wu Wu Techniques for improving engineering productivity of VLSI designs 1-40633
- Logunov, A.A. *see* Ageyev, A.I. 1-42866
- Logunov, O.A., Startsev, A.V., Stoiлов, Yu.Yu. Imitrines. II. Lasers utilizing solutions of imitrine 1 and imitricine 3 compounds emitting in the 475-575 nm range 1-28672
- Logunov, O.A. *see* Kruglenko, V.P. 1-28671
- Logvinitski, L.M. *see* Budarnykh, V.I. 1-27106
- Loh, K.W., Schroder, D.K., Clarke, R.C. The GaAs SAW diode storage correlator 1-36753
- Loh, K.W., Schroder, D.K., Clarke, R.C., Rohatgi, A., Eldridge, G.W. Low leakage current GaAs diodes 1-40540
- Loh, Y., Tan, H. A new method for processing the signals from a laser dual-focus velocimeter 1-47236
- Lohberger, W. The PWM-60 digital accessory—a controlling device for level and wobble meter PWM-60 1-42516
- Lohmann, P. *see* Kolouch, D. 1-41738
- Lohmann, V. *see* Frantz, R.A.J. 1-49591
- Lohmuller, V. 3 years of microwave equipment—the present situation of the German market and prospects for the 80s 1-44516
- Lohner, T., Valyi, G., Mezey, G., Kotai, E., Gyulai, J. The role of surface cleaning in the ellipsometric studies of ion-implanted silicon 1-50888
- Lohner, T. *see* Peto, G. 1-36999
- Lohrmann, G. Semiconductor relays. I 1-40268
- Lohrmann, G. Power MOS-FETs 1-46174
- Lohstroh, J. Devices and circuits for bipolar (V)LSI 1-36671
- Lohstroh, J. Devices and circuits for bipolar (V)LSI [logic circuits] 1-40693
- Lohstroh, J., Koomen, J.J.M., Van Zanten, A.T., Salters, R.H.W. Punch-through currents in P<sup>+</sup>NP<sup>+</sup> and N<sup>+</sup>PN<sup>+</sup> sandwich structures. I. Introduction and basic calculations 1-45988
- Lohstroh, J., Koomen, J.J.M., Van Zanten, A.T., Salters, R.H.W. Punch-through currents in P<sup>+</sup>NP<sup>+</sup> and N<sup>+</sup>PN<sup>+</sup> sandwich structures. II. General low-injection theory and measurements 1-45989
- Lohuis, W. *see* Franken, A. 1-40358
- Loiacono, G.M. *see* Jacco, J.C. 1-27098
- Loinger, E. A finite element approach to a quasi-variational inequality 1-35879
- Loiseaux, J.-M. New heavy ion sources—immediate and future uses for accelerators 1-30310
- Loiseaux, J.-M. Heavy ion beams up to 40 MeV per nucleon at the SARA. What kind of physics? 1-52627
- Lokberg, O.J., Krakhella, K. Electronic speckle pattern interferometry using optical fibers 1-51178
- Lokberg, O.J. *see* Case, S.K. 1-51531
- Lokshin, B.A. *see* Kantor, L.Ya. 1-37885
- Lokshin, M.G. Improving the effectiveness of using the frequency channels of the TV broadcasting network 1-37995
- Lokshin, V.E., Zubchenko, Yu.V., Tregubov, M.I., Ginzburg, V.E. The 60 kW type ELA 60/60 electron-beam welding apparatus 1-44528
- Lokshin, V.L. *see* Kuz'min, I.V. 1-37861
- Loktionov, A.P. *see* Korotkov, V.P. 1-38253, 1-42713

- Lokvenc, J.** A comparator unit for the MT 100 digital voltmeter 1-50593
- Lolli, M.** *see* Bucci, B. 1-29553, 1-42086
- Loly, P.D.** *see* Hywarren, E. 1-38147
- Lomaev, A.M.** *see* Yudov, M.F. 1-35128
- Lomakin, S.S.** *see* Panfilov, G.G. 1-38876
- Lomako, V.M.** *see* Gubskaya, V.I. 1-39982
- Lomako, V.M.** *see* Kuchinskii, P.V. 1-42569
- Lomax, R.J.** *see* Laux, S.E. 1-46168
- Lombard, D.** The next generation of communications satellites 1-29675
- Lombard, D.** Time division multiple access concept for business services 1-29718
- Lombardi, F.** *see* Bonaventura, G. 1-29728
- Lombardini, R.** Screening of integrated circuits 1-50956
- Lombari, T.** *see* Bellini, A. 1-53458
- Londahl, P.S.** *see* Christiansen, P.L. 1-51103, 1-51104
- Lomer, D.R.** Meeting the demand for electricity in Great Britain in the 1980s and beyond 1-30854
- Lominczy, M.**, Barna, P.B., Barna, A. Effect of trimming on the structure of NiCr thin films 1-40318
- Lomov, K.P.** *see* Ado, Yu.M. 1-48457
- Lonc, P.** *see* Beyaert, B. 1-50063
- Loncoski, R.** *see* Kruse, H.W. 1-34474
- London, G.** *see* Behrend, H.-J. 1-43229
- Long, C.** *see* McKee, P. 1-29902
- Long, J.R.** *see* Baraff, D.R. 1-42692
- Long, M.** *see* Daniels, A. 1-34836
- Long, R.V.** *see* De Long, R.V.
- Long, S.A.**, McAllister, M.W. The impedance of an elliptical printed-circuit antenna 1-51712
- Long, S.A.**, Shen, L.C. A theoretical and experimental investigation of the circularly polarised elliptical printed-circuit antenna 1-41335
- Long, S.A.**, Shen, L.C., Schaubert, D.H., Farrar, F.G. An experimental study of the circular-polarized elliptical printed-circuit antenna 1-28997
- Long, S.A.** *see* Zaman, A.J.M. 1-41190
- Long, S.J.**, Lee, F.S., Pellegrini, P. Pulsed ionizing radiation recovery characteristics of MSI GaAs integrated circuits 1-46311
- Long, S.I.** *see* Zucca, R. 1-28123
- Long, T.** *see* Muschick, E. 1-48947
- Long Gao** *see* Gao Long
- Longden-Thurgood, R.M.**, Pople, J. A new ratemeter concept for radiation measuring instruments 1-43261
- Longendorfer, B.** *see* Scheiber, S. 1-50690
- Longenecker, K.G.** Power semiconductors: cooling, packaging, and protection. I 1-50897
- Longfei Ye** *see* Ye Longfei
- Longhi, A.** Introduction to a system of agreement for radio equipment controlled by microcomputer 1-47773
- Longhi, A.** Phonic ambience and stereo ambience. Two new stereo reproduction schemes for headphones and loudspeakers 1-47850
- Longhitano, R.** Sensitivity analysis of the 47A Signal 1-29486
- Longman, E.R.** Microwave provides reliable control links 1-48967
- Longo, G.** *see* Davisson, L.D. 1-33446, 1-51758
- Longo, V.J.** *see* Grant, I.S. 1-53107
- Longoni, A.** *see* Cova, S. 1-37036
- Longstaff, R.M.** Atomic energy in Britain 1-30898
- Longton, M.** SAM: priorities in the design of a microprocessor-based music program 1-47839
- Lonobile, D.** *see* Bunkenberg, J. 1-51410
- Lonsdale, H.K.** *see* Lee, K.L. 1-44013
- Lonsdale, J.G.** General philosophy of reliability and security of supply systems 1-48996
- Lonsky, P.**, Rees, D.W. Silicone-liquid filled transformers 1-44143
- Lonsky, P.** *see* Miller, R.E. 1-31270
- Lonyushkov, S.A.** *see* Astvatsatur'yan, E.R. 1-41255
- Loo, B.H.**, Frese, K.W., Jr., Morrison, S.R. The influence of surface oxide films on the stabilization of n-Si photoelectrode 1-50851
- Loof, E.** *see* De Loof, E.
- Loof, E.** *see* De Loof, E.
- Looiesteijn, C.J.**, Valters, G.P. The experimental wind turbine at Petten 1-31137
- Look, D.** True mobilities in semi-insulating O- and Cr-doped GaAs 1-27824
- Look, D.C.**, Farmer, J.W. Automated, high resistivity Hall effect and photoelectronic apparatus 1-29983
- Loomis, T.C.** *see* Stocker, H.J. 1-38248
- Loon, J.C.F.** *see* van Loon, J.C.F.
- Looney, C.G.** Direct numerical solution of systems with stochastic differential equations 1-50251
- Looney, L.D.** *see* Lyons, P.B. 1-40948
- Looney, L.D.** *see* Thayer, D.R. 1-52120
- Looney, Q.** *see* Smith, C. 1-52991
- Looney, W.J.** A control law for estimation enhancement and pursuit in passive tracking 1-52130
- Loos, A.V.** Problems on development of electric machine methods for pulse power generation 1-39921
- Looy, I.M.** *see* Boter, J. 1-26869
- Loparo, K.A.**, Khadr, A., Maghsoodlou, F. A stochastic formulation of the dynamic security assessment problem for electric power systems 1-48980
- Lopata, V.A.**, Semenenko, V.N. Classification of pneumotachometric transducer designs 1-48674
- Lopatina, L.B.** *see* Ivanov, E.I. 1-32693
- Lopatko, A.P.**, Balayan, R.F., Sergienko, L.P., Zav'yalov, O.A. The technology for the electron-beam welding of expanding hydraulic mandrels 1-53835
- Lopes da Silva, J.** *see* de Carvalho, L.M.I. 1-43215
- Lopez, A.R.** Line-source excitation for maximum difference slope with given sidelobe level 1-47019
- Lopez, A.R.** Sidelobe requirements for the microwave landing system 1-52177
- Lopez, C.** *see* Redondo, F. 1-34356
- Lopez, O.**, Tin Lam, Stromsta, R. Effects of magnetic fields on flexible disk drive performance 1-40801
- Lopez, P.** *see* Foulc, J.-M. 1-43275
- Lopez, P.** *see* Foulc, J.-N. 1-38473, 1-43273
- Lopez, P.** *see* Foulc, N. 1-43274
- Lopez, R.** *see* Romano, R. 1-38685, 1-43515
- Loporcaro, L.J.** *see* Misawa, T. 1-52009
- Lopriore, M.** The design of a 30/20 GHz regenerative payload for satellite applications 1-47654
- Lopukhin, V.M.** *see* Vanke, V.A. 1-32562
- Loram, J.W.** *see* Yaraneri, H. 1-36494
- Lorant, S.J.** *see* St. Lorant, S.J.
- Lord, D.H.**, Gleason, D. Design and evaluation methodology for built-in-test 1-44749
- Lord, R.S.**, Ball, J.B., Beckers, R.M., Cleary, T.P., Hudson, E.D., Ludemann, C.A., Martin, J.A., Milner, W.T., Mosko, S.W., Ziegler, N.F. Coupled operation of the Oak Ridge isochronous cyclotron and the 25 MV tandem 1-42893
- Lord, R.S.** *see* Martin, J.A. 1-42895
- Lord, W.** *see* Palanisamy, R. 1-50353
- Loore, T.R.** *see* Hohla, K.L. 1-46673
- Lorenz, G.** Impact of microelectronics on consumer products and medical systems 1-26774
- Lorenz, Petersen, E.** PAXNET—a packet distribution X.25 network 1-47293
- Lorenz, W.J.** *see* Ostertag, H. 1-34587
- Lorenzen, J.A.** *see* Braen, R.C. 1-39812
- Lorenzen, T.J.**, McDonald, G.C. Selecting logistic populations using the sample medians 1-39530
- Lorenzi, H.G.** *see* De Lorenzo, H.G.
- Lorenzo, E.**, Sanchez, E., Luque, A. Experimental verification of the illumination profile influence on the series resistance of concentrator solar cells 1-31456
- Lorenzo, J.T.** *see* De Lorenzo, J.T.
- Loretz, T.J.** *see* Drexhage, M.G. 1-40932
- Lorig, B.**, Rahuel, J.C., Roux, C. Development of a mixed letterwriting-videotext terminal 1-47369
- Lorig, T.S.**, Golden, A.J., Isaac, W. A programmable circuit for varying light intensity 1-32359
- Lorikyan, M.P.** *see* Astabatyán, R.A. 1-30321, 1-52683
- Lorincz, E.** The reconstruction of MAV telephone network 1-41895
- Lorstad, B.** *see* Cockerill, D. 1-43233
- Los Reyes, E.** *see* De Los Reyes, E.
- Los Reyes de see de Los Reyes**
- Los Rios, F.J.** *see* de Los Rios, F.J.
- Los Rios, F.J.** *see* De Los Rios, F.J.
- Loschialpo, P.** *see* Namkung, W. 1-43206
- Losert, V.** Uniform distribution of sequences defined by additive semi-groups 1-39471
- Losev, L.L.** *see* Grasyuk, A.Z. 1-51372
- Losev, V.V.**, Orlov, B.M., Khudaverdyan, S.Kh. Diode CdTe structures with injection amplification of the photocurrent 1-33143
- Loshakov, L.N.**, Ivanova, N.E., Dzugayev, V.K. Calculation of a screened meander-type slow-wave structure using the field-theory method 1-51646
- Loshchilov, V.I.**, Gertsik, G.Ya., Mironenko, Yu.P. An apparatus generating infralow frequency electromagnetic fields for magnetotherapeutic use 1-43376
- Loskutnikov, A.I.** *see* Galiakberov, D.Sh. 1-36998
- Lothian, J.S.** *see* Hopkins, D.K.W. 1-29859
- Lothrop, F.**, Alonso, J., Force, R., Grunder, H., Lewis, S., Miller, R., Tekawa, M. Physics and medicine: the Bevatron/Bevalac experience, 1979-1980 1-48275
- Lotkov, M.A.** *see* Lyubarskii, V.G. 1-31210
- Lototskaya, V.A.** *see* Il'ichev, V.Ya. 1-40846
- Lott, G.K., Jr.**, Honnell, M.A., Shumpert, T.H. Measurement of RF lightning emissions 1-42716
- Lottes, G.** Pump fed reservoirs in the Federal Republic of Germany—a question of potential locations? 1-43998
- Lou, D.Y.** The archival stability of tellurium films for optical information storage 1-33017
- Lou, D.Y.**, Blom, G.M., Kenney, G.C. Bit oriented optical storage with thin tellurium films 1-34101
- Lou, D.Y.**, Martinez, A. Defect measurements in digital optical disks 1-29909
- Louboutin, J.P.** *see* Beniere, F. 1-45958
- Louet, M.** *see* Paris, M. 1-49124
- Loughran, J.** *see* Fenton, P.J. 1-43748
- Louie, F.** *see* Kokkonen, K. 1-32305
- Louie, M.** *see* Rubin, I. 1-33713
- Louis, F.**, Stumpers, H.M. Microelectronics in telecommunications 1-29266
- Louis, J.-P.**, Zanne, C. Non-linear dynamic properties of a DC motor fed by an AC/DC converter in discontinuous mode 1-53484
- Louis, J.-P.** *see* Jung, C. 1-53482
- Louis, J.** *see* St. Louis, J.
- Louk, P.A.** *see* Aarik, J.A. 1-33239
- Lounsbury, J.B.** *see* Hood, F.P., III 1-27894
- Lourtioz, J.-M.** *see* Julien, F. 1-51362
- Loute, E.** *see* Ho, J.K. 1-27046
- Loutfy, R.O.**, Cheng-Kuo Hsiao Effect of temperature on organic Schottky barrier cells 1-44356
- Louveaux, F.**, Smeers, Y. A stochastic model for electricity generation 1-34799
- Louvel, J.** A simple and effective low cost frequency modulation system for neurophysiological recording 1-48708
- Love, A.H.G.** *see* Cochran, T. 1-52765
- Love, D.P.** *see* Van Degrieff, C.T. 1-36138
- Love, J.D.** *see* Anderssen, R.S. 1-33050
- Love, J.D.** *see* Sammut, R.A. 1-46519
- Love, J.T.** *see* Carlson, G.A. 1-34641
- Love, R.E.** Waveguide fiber standards 1-28511
- LoVecchio, P.**, Sood, A.K. Photovoltaic  $Hg_{1-x}Cd_xTe$  technology for elevated temperature focal planes 1-47971
- LoVecchio, P.** *see* Mroczkowski, J.A. 1-33101
- LoVecchio, P.** *see* Polla, D.L. 1-41016
- Lovejey, C.M.**, Finzi, J., Wang, J.H.S., Baily, P.K. Continuous-wave HF optical resonance transfer laser experiments 1-46698
- Loveland, R.J.** The electrostatic hazards in industry associated with the use of highly insulating materials 1-35611
- Loveland, R.J.** Electrostatic ignition hazards in industry 1-44653
- Loveland, R.J.** *see* Burstow, D.J. 1-26883
- Lovell, B.** Oscilloscope—the work horse 1-42667
- Lovring, P.B.** Traditional controls 1-43390
- Lovitt, G.J.**, Hills, M.T.L., Hurst, R.S. A controlled environment for the development of switching system software 1-42103
- Lovald, P.J.** Short-wave communication with the Pacific Ocean. Transmission calculations for Isfjorden radio 1-33929
- Lowstrand, K.G.** The ignition power of brush discharges—experimental work on the critical charge density 1-36710
- Low, D.** *see* Horowitz, A.J. 1-37776
- Low, S.S.**, Elder, G.R. Experience dictates future HVDC insulator requirements 1-34921
- Lowe, A.C.** Assessment of nematic guest-host systems for application to integrated liquid crystal displays 1-52535
- Lowe, A.C.**, Cox, R.J. Order parameter and the performance of nematic guest-host displays 1-52536
- Lowe, A.C.** *see* Engler, E.M. 1-52530
- Lowe, J.** *see* Pommernig, D.H. 1-47969
- Lowe, P.A.**, Battison, E.J. US utility deployment opportunities for the phosphoric acid fuel cell 1-49663
- Lowe, P.J.** *see* Russell, D.F. 1-31561
- Lowe, R.** Expected electricity costs for the US Mod 2 windmill 1-31136
- Lowe, R.J.**, Alexander, G. The effects of geographical separation of clusters of wind generators 1-53331
- Lowe, S.K.** Transient recovery voltages associated with HV series reactor faults 1-35319
- Lowell, J.** The effect of an electric field on contact electrification 1-46030
- Lowenfeld, S.** *see* Wassel, W.W. 1-34192
- Lowenstein, D.** *see* Brown, H. 1-48364
- Lowenthal, S.** *see* Chavel, P. 1-33681
- Lowerre, B.** *see* Clark, J. 1-41574
- Lowerre, B.T.** Removing 'gamesmanship' from performance specifications of discrete word recognition 1-33593
- Lowery, B.J.** Live circuit tester 1-35641
- Lowke, J.J.** Physical models of arc interruption 1-31377
- Lowke, J.J.** Physical models of arc interruption 1-35308
- Lowke, J.J.** *see* Kovitya, P. 1-31379, 1-35309
- Lowney, J.R.** *see* Geist, J. 1-36460
- Lowrie, D.S.** *see* Han-Sheng Lee 1-32886
- Lowry, J.** *see* Brinkworth, G. 1-44569
- Lowry, J.L.** *see* Honnell, M.A. 1-41486
- Lowsow, C.F.** The Norwegian telecommunications service: a service or a government department? 1-33737
- Lowther, D.A.** *see* Csendes, Z.J. 1-44028
- Lowy, P.** *see* Logue, J.C. 1-40633
- Loy, M.M.T.** *see* Subdo, A.S. 1-41074
- Lozavatskii, I.D.** *see* Korchashkin, N.N. 1-52946
- Lozovik, T.A.** *see* Golubchik, E.M. 1-27968
- Lozovoi, B.S.**, Kaplan, A.A., Nikitskii, V.A., Goldfarb, L.N., Bogatyrev, O.A. The geometry of penetration in welding with an electron-beam gun based on the arc discharge with a cold cathode 1-35541
- Lozovskii, P.M.** *see* Andreeva, L.I. 1-52469

- Lu, D.Z., Smith, A.M., Childers, D.G. Noise cancelling in speech processing: a prelude to feature extraction 1-29142
- Lu, I.D. Application of a digital signal analyzer to the measurement of power system ground impedances 1-38839
- Lu, M.C. *see* Young, R.T. 1-32603
- Lu, N.C.C. *see* Gerzberg, L. 1-28083
- Lu, N.Chau-Chun *see* Chau-Chun Lu, N.
- Lu, S.C. A cryptosystem making use of the correlation between message and key 1-33506
- Lu, Y.Q. *see* Sharma, A. 1-51332
- Lu Chih-Yuan *see* Chih-Yuan Lu
- Lu Dong, Lu Fen Theoretical calculation for deep levels of impurities in silicon 1-27784
- Lu Fen *see* Lu Dong 1-27784
- Lu Jun-xi A traveling wave type high speed analog-digital converter 1-32391
- Lu Kun-quan *see* Kun-quan Lu
- Lu Mao-quan An approach for calculating the built in potential from experimental data [semiconductor materials] 1-27776
- Lu Ren-xiang A theoretical calculation of metal drilling by lasers 1-51500
- Lu Renxiang Experimental investigations on X-ray lasers 1-41043
- Lu Wu-xing *see* Liu Shuang-he 1-32627
- Lu Wuxing *see* Mo Dang 1-27785
- Lu Xiuying *see* Han Jieping 1-27961
- Lu Yincheng *see* Mo Dang 1-27785
- Luban, F. *see* Dumitru, V. 1-44949
- Lubbe, J.C.A. van der *see* van der Lubbe, J.C.A.
- Lubben, D. *see* Greene, J.E. 1-50811
- Lubben, W., Prohl, R. SF<sub>6</sub>-insulated switchpanels incorporating 3AF vacuum circuit-breakers 1-35288
- Lubbig, H. *see* Brunk, G. 1-28355
- Lubbig, H. *see* Erne, S.N. 1-28335
- Lubeck, D.P. *see* Jorgensen, P.C. 1-42122
- Lubelsmeyer, K. *see* Kadansky, V. 1-43239
- Lubiw, A. Some NP-complete problems similar to graph isomorphism 1-35818
- Lubiw, A. *see* Sakauye, G. 1-46333
- Lubkeman, D.L., El-Abiad, A.A. Overview of automation of power distribution systems 1-43677
- Lubkov, N.V. A recurrent procedure of simulating failures in the estimation of reliability of complex systems 1-44744
- Luborsky, F.E., Walter, J.L. The Fe-B-Ge amorphous alloys 1-28224
- Lubzens, D., Kolodny, A., Shacham-diamond, Y.J. Automated measurement and analysis of MIS interfaces in narrow-bandgap semiconductors 1-38094
- Luca, A. *de see* de Luca, A.
- Luca, A. *de see* De Luca, A.
- Luca, C.J. *de see* De Luca, C.J.
- Luca, E. *see* Felea, S. 1-30842
- Luca, J.C. *de see* De Luca, J.C.
- Luca, M. *see* Maftci, M. 1-49252
- Luca, M. *see* Silard, A. 1-36609
- Luca, S. *de see* De Luca, S.
- Luca, V.A., Jr., Schildkraut, A.L. Electrolytic erosion in connectors: causes and cures 1-45751
- Lucanu, T.M., Munteanu, B.V. Control circuit for an inverter used in the reversible drive system of mill rollers 1-49557
- Lucarelli, R. *see* Martinelli, G. 1-41627
- Lucarini, G. *see* Cesini, G. 1-28799
- Lucas, B. *see* Alard, J.P. 1-52717
- Lucas, J. Glows and prebreakdown phenomena 1-32531
- Lucas, J.H. (editor) ISA directory of instrumentation, TM. 1980-81 edition 1-49873
- Lucas, M.S., Atenasio, B.A., Howland, J.C. An integrated data communications network for AT&T 1-47922
- Lucas, N.J.D. *see* Holmes, J. 1-35072
- Lucas, P., Donnelly, J.A. Computer-automated ratio transformer bridge 1-42678
- Lucas, R. *see* Baudry, A. 1-42366
- Lucchini, G. *see* Lagostena, L. 1-49057
- Lucchini, P. *see* Sada, E. 1-52779
- Luccio, A., Puglisi, M. Beam- and drive-controlled amplifier for the ISABELLE accelerating system 1-48645
- Luccio, A., Puglisi, M. Behavior of single-ended vs. push-pull amplifiers for the accelerating systems of high-current beam storage rings 1-48649
- Luccio, A. *see* Blewett, J.P. 1-51299
- Luccio, A. *see* Hsieh, H. 1-43116
- Luches, A., Nassisi, V., Perrone, A., Perrone, M.R. Large-area field emission diode for semiconductor annealing 1-32537
- Luchsinger, M. Testing completed printed circuit boards 1-50670
- Luchtman, G., Schippers, K. An economic supply of heat to distant localities by rail transport 1-49256
- Luciani, J.D. *see* Bellamy, L.R. 1-46412
- Luck, H.-B., Turek, K., Spurny, F. Enlargement of particle tracks by sequential electrical and chemical treatment 1-30363
- Ludeke, R. Phosphor-screen precipitation process 1-37026
- Ludeke, R. *see* Chin-An Chang 1-50810
- Ludeman, L.C. Optimum sampling for estimation of Fourier coefficients in noise 1-37598
- Ludemann, C.A. *see* Lord, R.S. 1-42893
- Ludemann, C.A. *see* Martin, J.A. 1-42895
- Ludes, R., Rudel, P. ANNAX and UNEX—two multiple-user display systems 1-47945
- Ludke, S. *see* Lynk, E.T. 1-30018
- Ludlam, T. Semiconductor devices as track detectors in high energy colliding beam experiments 1-34490
- Ludlam, T., Kraus, D., Renardy, J., Zurfluh, E. A proportional wire calorimeter for magnet pole tips 1-34446
- Ludlam, T., Platner, E., Polychronakos, V., Deutschmann, M., Struczinski, W., Fabjan, C.W., Willis, W., Gavrilenco, I., Maiburov, S., Shmeleva, A., Vasiljev, P., Tchernyatin, V., Dolgoshein, B., Kantserov, V., Nevski, P., Sumarokov, A. Particle identification by electron cluster detection of transition radiation photons 1-34481
- Ludlam, T., Platner, E.D., Polychronakos, V.A., Lindenbaum, S.J., Kramer, M.A., Teramoto, Y. Relativistic rise measurements with very fine sampling intervals 1-34431
- Ludlam, T. *see* Cockerill, D. 1-43233
- Ludman, J.E. *see* Horner, J.L. 1-37224
- Ludowise, M. *see* Borden, P.G. 1-35385
- Ludowise, M.J. *see* Dietze, W.T. 1-50775
- Ludtke, H.-J. Digital transmission equipment and the possibilities of its introduction into the telecommunication network of the East German Post Office 1-33754
- Ludwick, J.J. *see* Anuff, A. 1-29589
- Ludwig, A.C., Larsen, F.H. Spherical near-field measurements from a 'compact-range' viewpoint 1-41321
- Ludwig, C.B., Malkmus, W., Freeman, G.N., Reed, R., Slack, M. Infrared radiation from rocket plumes 1-42552
- Ludwig, D. *see* Levesque, D. 1-47574
- Ludwig, H. *see* Wang, S.-T. 1-28377
- Ludwig, J. Time switch for dark room with light level measurement 1-27538
- Ludwig, P. *see* Geller, R. 1-38395
- Lue, J.W., Miller, J.R. Parametric study of the stability margins of cable-in-conduit superconductors: experiment 1-28289
- Lue, J.W. *see* Elrod, S.A. 1-28308
- Lue Juh-Tzeng *see* Juh-Tzeng Lue
- Lueder, E. Monolithic integrated filters 1-27516
- Lueder, E., Tilch, H.J. Pole-zero assignment for RC-active filters with minimised sensitivity 1-45477
- Luepelt, U. Causes and diminution of depolarization effects in dual polarized microwave antennas 1-37371
- Luer, H.J. *see* Fickenscher, H. 1-29515
- Luers, D. *see* Behrend, H.-J. 1-43229
- Luers, W. *see* Hummer, K. 1-31528
- Lugannani, R. Distribution of the sample magnitude-squared coherence obtained using overlapped Fourier transforms 1-41775
- Lugovskaya, E.S. *see* Teodorovich, O.K. 1-50336
- Lugovykh, Yu.M. *see* Golubchik, E.M. 1-27968
- Lugt, A. *see* Vander *see* Vander Lugt, A.
- Lugtu, R.L., Hackett, D.F., Liu, K.C., Might, D.D. Power system state estimation: detection of topological errors 1-34829
- Luguang, Y., Huidong, L., Zuxian, Y., Decheng, L., Changlian, Y., Hongda, M., Guangsui, L. Experimental investigation on wax-filled superconducting solenoids 1-51138
- Luhman, T.S. *see* Suenaga, M. 1-28283
- Luhmann, N.C., Jr. *see* Peebles, W.A. 1-41117
- Lujan, F. *see* Iniesta *see* Iniesta Lujan, F.
- Lujan, R. *see* Mort, J. 1-32658, 1-45944
- Lujan, R.A. *see* Knights, J.C. 1-32075
- Luk, F.T. *see* Golub, G.H. 1-39671
- Lukashevich, P.G., Gribkovskii, V.P., Ivanov, V.A. Stimulated emission from undoped zinc telluride with single-photon optical excitation 1-33212
- Lukasiak, J. *see* Janssens, R.V.F. 1-52736
- Lukasiak, T. *see* Adaszewski, W. 1-47306
- Lukasik, M., Lenarczyk, J. Development trends in the field of electric drives in power stations 1-44399
- Lukaszek, T., Ballato, A. What SAW can learn from BAW: implications for future frequency control, selection, and signal processing 1-36764
- Lukaszek, T.J. *see* Dodson, D.J. 1-46374
- Luke, M. Spinning techniques for repairing a bearing 1-53338
- Luke, Y.L. *see* Ting, B.Y. 1-39664
- Lukens, F.E., Lanier, J.R., Jr., Kapustka, R.E., Graves, J. Advanced development of a programmable power processor 1-30521
- Lukenyuk, A.A. *see* Marinets, V.P. 1-38596
- Luker, L.D., Van Buren, A.L. Phase calibration of hydrophones 1-52966
- Lukes, G.E. Geographic data bases supporting scene generation 1-48891
- Lukichev, V.F. *see* Kupriyanov, M.Yu. 1-28316
- Lukina, V.K. *see* Ivanov, V.B. 1-47942
- Lukmanov, V.S. Device for automatic recording of dependence of current through superconductor on magnitude of external magnetic field 1-42520
- Lukovkin, G.F. *see* Shmakov, G.S. 1-44539
- Lukyanchikova, N.B., Pavelko, T.M., Pekar, G.S., Tkachenko, N.N., Sheinkman, M.K. Mechanism of electroluminescence excitation in forward-biased MS and MIS light-emitting diodes based on wide-band-gap II-VI compounds 1-33166
- Luk'yanov, L.M. *see* Babanov, I.A. 1-27586
- Luk'yanov, V.N., Semenov, A.T., Yakubovich, S.D. Steady-state characteristics of a GaAs injection quantum amplifier receiving a narrow-band input signal 1-37145
- Lull, J.M. *see* Goldobin, I.S. 1-37147
- Lull, J.M. *see* Lundgren, R.E. 1-45437
- Lum, G.K., Perez-Mendez, V., Sleaford, B. Gamma-ray detection with PbO glass converters in MWPC: electron conversion efficiency and time resolution 1-34464
- Lum, R.M., Feinstein, L.G. Investigation of the molecular processes controlling corrosion failure mechanisms in plastic encapsulated semiconductor devices 1-32775
- Lumb, D.H. *see* Fraser, G.W. 1-30343
- Lumel'skii, Y.P. *see* Abusev, R.A. 1-44893
- Lumina, R. A microprocessor-based quality control system 1-39418
- Lumish, S. *see* Cohen, L.G. 1-37934, 1-42236
- Lun, I.D., Shier, R.M. Application of a digital signal analyzer to the measurement of power system ground impedances 1-38836
- Lund, A.E. *see* Krueger, G.P. 1-33126
- Lund, G.F., Westbrook, R.M., Fryer, T.B. Heart rate, multiple body temperature, long-range and long-life telemetry system for free-ranging animals 1-30024
- Lund, L. *see* Brown, D.C. 1-37091
- Lund, L.D. *see* Bunkenberg, J. 1-51410
- Lund, L.D. *see* Seka, W. 1-51415
- Lund, N. Gamma-burst studies using long-duration balloon flights in the Arctic 1-30381
- Lund, R.E., Gorres, J.M. A new failure mechanism in thin film resistors 1-45809
- Lund, R.T. *see* Goldhor, R.S. 1-31824
- Lund, T.S. *see* Thieberger, P. 1-42849
- Lundberg, L.B., Martinez, H.E. Fabrication of high-temperature (1400-1700K) molybdenum heat pipes [space nuclear power applications] 1-30517
- Lunde, H.R. *see* Francis, S.H. 1-47516
- Lundgren, K. *see* Ivars, R. 1-30487
- Lundgren, R.E., Snyder, D.E., Lull, J.M. A high-speed monolithic GaAs 10/11 counter 1-45437
- Lundh, Y. *see* Aagesen, F.A. 1-33957
- Lundquist, L., Dinwiddie, S. Flexible satellite data services 1-47622
- Lundquist, L., Pagones, M.J. Channel spacing: a trade-off parameter in frequency assignments 1-34026
- Lundqvist, S., Falt, C.-O., Persson, U., Marthinsen, B., Eng, S.T. Air pollution monitoring with a Q-switched CO<sub>2</sub>-laser lidar using heterodyne detection 1-52948
- Lundstrom, I. Hydrogen sensitive MOS-structures. 1. Principles and applications 1-52432
- Lundstrom, M.S., Schwartz, R.J., Gray, J.L. Transport equations for the analysis of heavily doped semiconductor devices 1-32781
- Lundy, R.A. State of the Energy Doubler 1-30296
- Luneva, Z.P., Soroka, E.Z. New methods for tele-cine broadcast using frame memory 1-52258
- Lungu, D. Analysis of deep recombination of centres in the neighbourhood of emitter-base junction in bipolar transistors 1-46114
- Lungu, O. *see* Sfichi, R. 1-49851
- Luuk, T.N. *see* Gazdaika, B.P. 1-30554
- Luinin, V.P. *see* Adon'ev, N.M. 1-44267
- Lun'kov, A.Ye. *see* Blenko, D.I. 1-36507
- Lunn, D.J. Nibbling, laser cutting and plasma-arc cutting 1-44554
- Lunn, K., Bennett, K.H. Message transport on the Cambridge Ring—a simulation study 1-47393
- Luns, Yu.Ya. *see* Kuz'min, Ya.F. 1-38657
- Lunsford, J.S. Design of a power amplifier for the LAMPF proton storage ring transverse damper system 1-48647
- Lunt, S. *see* Sellars, O.P. 1-41892
- Luo, F.C., Hoelsy, D.D., Chen, I. A low leakage current CdSe thin film transistor 1-36640
- Luo, F.C. *see* Chen, I. 1-32835, 1-46156
- Luo, H.L. *see* Lim, K.C. 1-46463
- Luo, H.L. *see* Willis, J.O. 1-45957
- Luo, W.B. *see* Narita, S. 1-46161, 1-46162
- Luo Bin-zhang *see* Feng Xi-qi 1-50812
- Luo Fang Chen *see* Fang Chen Luo
- Luo Xing-zhen *see* Zhang Min 1-28087
- Luoh, W.M. *see* Ktonas, P.Y. 1-48711
- Luomi, J. *see* Arkko, A. 1-31246
- Luoni, G., Morello, A.S., Crockett, A.E. Continuous current rating for external and surface cooled cable systems 1-30751
- Lup, L. Development of power station equipment 1-43882
- Lupascu, I. *see* Berbece, C. 1-31000
- Lupenko, A.N. *see* Bunyak, A.M. 1-50602
- Lupi, D. *see* Fraigi, L. 1-39983
- Lupi, S., Orefice, C. Electrodynamic forces in induction heating of bimetallic plates with planar circular coils 1-41180
- Lupinskii, M.M. *see* Kiselev, Yu.I. 1-48054
- Lupkin, I.D. *see* Vasil'ev, S.V. 1-49746

- Lupkin, V.M.** Analytical solution of linear differential equations for a two-phase short-circuited synchronous machine without damping winding 1-44058
- Luppi, J.** Collecting electric power supply at high speed 1-35448
- Lupton, W.H.** *see* Ford, R.D. 1-39064
- Lupul, F.T.** Digital RF current monitor 1-45268
- Luque, A.** Theoretical bases of photovoltaic concentrators for extended light sources 1-46648
- Luque, A., Cuevas, A., Eguren, J., del Alamo, J.** Bifacial silicon solar cells with effective efficiencies over 20% 1-35365
- Luque, A.** *see* Cuevas, A. 1-49701
- Luque, A.** *see* del Alamo, J. 1-39131
- Luque, A.** *see* Lorenzo, E. 1-31456
- Luquet, H.** *see* Bordure, G. 1-53681
- Luqueze, M.A.** *see* Pinto, J.K.C. 1-47656
- Lurch, E.N.** Electric circuit fundamentals 1-39315
- Lur'e, V.N.** *see* Konstantinovich, K.M. 1-34170
- Lurie, C.** Application of battery reconditioning techniques to achieve capacity restoration: a case history 1-31425
- Luryi, S.** *see* Kazarinov, R.F. 1-40536
- Lusby, R.J.** *see* Clifford, P.C. 1-30401
- Lushchae, G.A., Kanyuka, Yu.I., Fandeev, E.I., Karchkov, V.A.** Design of a temperature difference meter employing semiconductor thermistors 1-30078
- Lushchae, G.A.** *see* Stadnik, V.T. 1-38306
- Lushchik, V.D.** Analysis of distribution factor of m-phase windings [induction motor] 1-38980
- Lushnikov, A.S.** The effect of nonlinearity of the main reception channel of a HF trunkline receiver on the noise immunity of noncoherent diversity reception of frequency-shift telegraphy signals 1-41470
- Lusk, R.L.** *see* Humphreys, T.W. 1-46763
- Lutes, G.F.** *see* Bergman, L.A. 1-36911
- Luther, H.** *see* Erne, S.N. 1-40860
- Luther, H.M.** *see* Cook, F.J. 1-47982
- Luther, W.A.** Classification and designation of emissions 1-52193
- Luther, W.A.** *see* Watson, R.T. 1-52194
- Luthra, A.** *see* Steinberg, B. 1-47014
- Luthra, R.** *see* Bury, L. 1-32981
- Luthy, W.** *see* Burkhardt, P. 1-46670
- Lutidze, Sh.I., Lagvilava, Yu.I., Kokhreizde, T.K.** A study of electromechanical transients in an immersion motor with asymmetrical rotor 1-44084
- Lutidze, Sh.I., Lagvilava, Yu.I., Kokhreizde, T.K.** Study of electromechanical transients in a submersible motor with rotor asymmetry 1-44086
- Lutjens, G.** *see* Damerell, C. 1-38450
- Lutkenhoner, B.** *see* Hoke, M. 1-43314
- Lutsai, D.G.** *see* Sheiko, P.P. 1-49836
- Lutsch, A.G.K., Ball, C.A.B., Auret, F.D., Snyman, H.C.** Contribution to range statistics of Boron implanted into silicon at high energies 1-39551
- Luttkie, W.** *see* Liphardt, B. 1-51398
- Lutwack, R.A.** US view of silicon production processes 1-50311
- Lutz, D.** *see* Owono, A.P. 1-53199
- Lutz, F., Huber, G.** Phosphate and borate crystals for high optical gain 1-39738
- Lutz, G.** *see* Damerell, C. 1-38450
- Lutz, J.** *see* Benz, K.W. 1-50300
- Lutz, K.** *see* Genzel, A. 1-35116
- Lutz, P.** Real terminations of SC-filters using LDI-integrators 1-27497
- Lutz, W.C.** Infrared detector spots faulty capacitors 1-34958
- Lutzow, J.** Grundig television surveillance installation for the Vienna underground railway 1-42421
- Luvisetto, M.L.** *see* Bacilieri, P. 1-38441
- Luvison, A., Mengali, U., Pellegrini, G., Pirani, G.** System aspects in synchronization for a 560 Mbit/s optical fibre link 1-29729
- Luvison, A., Pirani, G., Mengali, U.** A simple timing circuit for optical PCM repeaters 1-47684
- Luxon, J.T., Parker, D.E.** Practical spot size definition for single higher-order rectangular-mode laser beams 1-37192
- Luxon, J.T., Parker, D.E.** Higher-order CO<sub>2</sub> laser beam spot size and depth of focus determined 1-41128
- Luxton, H.E.G.** Characterisation and application of microwave field effect transistors 1-32840
- Luzanova, L.M.** *see* Egorov, V.V. 1-43881
- Luzwick, J.L.** *see* Shannon, F.E. 1-51673
- Luzyanina, Z.N.** *see* Chistyakov, V.A. 1-48087
- L'vov, G.V.** *see* Aspishev, G.M. 1-31324
- L'vovich, A.A., Kuz'min, B.D.** An analytical expression for the spectra of Walsh functions 1-37533
- Lyakhomskii, A.V.** Characteristics and parameters of underground traction contact networks 1-38738
- Lyamin, V.N.** *see* Vasiliev, V.V. 1-48466
- Lyapidevskii, V.K.** *see* Aleksandrov, A.A. 1-30319
- Lyapin, N.N.** *see* Otchanko, V.F. 1-36299
- Lyapin, V.P., Sinyavskiy, G.P.** Consideration of edge singularity in solving the problem of diffraction at the diaphragmed junction of plane waveguides 1-28968
- Lyarskii, B.A.** *see* Bron, O.B. 1-44255
- Lyashenko, V.N.** *see* Grokhol'skii, A.L. 1-38241
- Lyashko, I.I., Mistetskii, G.E., Chernyi, I.I.** A numerical approach to the calculation of seepage through the earth works of pumped storage plants 1-31095
- Lyashkov, A.I.** *see* Kuksenko, V.S. 1-32122
- Lyatek, S.** *see* Bovzhik, Ya. 1-48622
- Lydick, R.P.** The role of engineering in the evolving technology/automation interface [LSI and VLSI development] 1-46259
- Lykov, A.G.** *see* Rozenberg, V.L. 1-35525
- Lyle, J.N., Pitt, C.W.** Vortex shedding fluid flowmeter using optical fibre sensors 1-30072
- Lyle, R., Kirkland, J.W.** An accelerated life test for evaluating power cable insulation 1-49117
- Lyman, J., Rosenblatt, A.** The drive for quality and reliability. I 1-31897
- Lyman, S.P.** *see* Jackel, J.L. 1-28514, 1-36939, 1-40877
- Lynch, C.A.** Practical electronic mail through a centralized computing facility 1-37711
- Lynch, E.** *see* Schmitt, W. 1-36229
- Lynch, F.J.** *see* Strauss, M.G. 1-34460
- Lynch, N.A.** *see* Fischer, M.J. 1-37764
- Lynch, R.T., Jr.** *see* Comerford, L.D. 1-46786
- Lyneis, C.M., McAshan, M.S., Rand, R.E., Schwetman, H.A., Smith, T.I., Turneare, J.P.** Unique beam properties of the Stanford 300 MeV superconducting recycler 1-48417
- Lyne, E.T., Ludke, S.** Interface for a microcomputer-controlled digital display system 1-30018
- Lynn, K.G.** *see* Lankford, W.F. 1-48609
- Lynn, P.A.** *see* Harba, M.I.A. 1-43340
- Lynn, S.Y.** *see* Gururaja, T.R. 1-36735
- Lyons, E.F.** *see* Solomon, F.J. 1-31109
- Lyons, R.W., Sangster, A.J.** Efficient moment method analysis of radiating slots in a thick-walled rectangular waveguide 1-47021
- Lyons, R.W., Sangster, A.J.** Attenuation in slot antennas due to waveguide wall thickness 1-51715
- Lyons, J.** *see* Hasselriis, F. 1-31038
- Lyons, J.W., Roe, G.** The influence of visual requirements on the design of military cockpits 1-30511
- Lyons, P.B., Looney, L.D., Kelly, R.E.** Fast transient absorption in optical fibers 1-40948
- Lyons, P.B.** *see* Thayer, D.R. 1-52120
- Lyons, R.G.** *see* Nuspl, P.P. 1-47638
- Lyons, S.** Planning cost-effective systems [emergency lighting] 1-31653
- Lyons, S.** Applying the micro chip [fluorescent lighting] 1-44466
- Lysak, V.V.** *see* Zhdanov, I.M. 1-39243
- Lysenko, V.G.** *see* Egorov, V.D. 1-46624
- Lysenko, V.L., Mezhenyiy, S.Ya., Shevela, N.G.** Calculation of losses of electrical energy in the rural networks of the Belgorod Electricity Supply Authority 1-49066
- Lysenko, V.S., Turchanikov, V.I.** Measurement of thermally stimulated changes of contact potential difference 1-42712
- Lysenko, V.S.** *see* Zil'berblat, M.A. 1-35521
- Lysenko, W.P.** Matching bunched beams to alternating gradient focusing systems 1-43010
- Lysenko, W.P., Walinger, E.A.** Three-dimensional space charge calculation method 1-42814
- Lysiak, E., Nawojski, J., Rozent, M.** Simulator for power grid control personnel training 1-48944
- Lyskanowski, J.** Electronic control systems in household equipment 1-53800
- Lysverker, O.** *see* Westgaard, E. 1-49339
- Lysy, D.** *see* Reinis, G. 1-46845
- Lysyansky, P.B.** *see* Fomel, B.M. 1-48452
- Lyszyk, M., Depannemaecker, J.C., Bantegnie, J.G., Herlemont, J., Lemaire, J., Riant, Y.** Absolute diode-laser frequency calibration using varactor mixing with a stabilized CO<sub>2</sub> laser. Ozone spectrum near the 9R<sub>2</sub> CO<sub>2</sub> frequency 1-33243
- Lytle, A.C., Jr.** Signal processing distortion loss in PN-PSK spread spectrum communications, command, control, and navigation systems 1-29210
- Lyu, S.L.** *see* Smith, F.T.J. 1-40416
- Lyubarskii, V.G., Fadeev, A.V., Lotkov, M.A., Safonov, N.T., Pure, R.R., Kramfus, I.R., Smirnitkii, M.A.** Microcomputer-based automatic excitation control system for large synchronous generator 1-31210
- Lyubarskii, V.G.** *see* Gertsensberg, G.R. 1-31189
- Lyubashevskaya, T.L.** *see* Borisov, S.N. 1-49667
- Lyubchenko, G.G., Podipenskiy, V.S.** Formal determination of the skeletons and values of variable groups 1-39597
- Lyubchenko, V.F.** *see* Panfilov, G.G. 1-38876
- Lyubchenko, V.V.** *see* Kaminskii, A.A. 1-33127
- Lyubich, Yu.I.** *see* Kun, L.A. 1-29053
- Lyubimov, I.S., Shepeleva, T.I., Sklyarova, N.A.** Determining the weight and height of blanks in molding of oxide magnets 1-28250
- Lyubin, A.G.** Maximally permissible temperature ratings for parts of power plant equipment 1-38903
- Lyulevich, V.I.** *see* Zhurkin, V.V. 1-52721
- Lyutskanov, V.L., Khristov, Kh.G., Tomov, I.V.** Tuning of the emission frequency of a gas-discharge XeCl laser 1-37085
- Lyuttsau, V.G.** *see* Belyaev, B.F. 1-36444
- Ma, A.** *see* Mouftah, H.T. 1-29510
- Ma, F.S.** *see* Isaksen, L. 1-34787, 1-43534
- Ma, M.T.** *see* Sreenivasiah, I. 1-46958
- Ma, Z.** *see* Ming, Ma, Z.
- Ma Dong Sung** *see* Dong Sung Ma
- Ma Qing-Yun** On the 768 type radio seismic telemetry equipment 1-43418
- Ma Xiaoshan, Zhang Shunxing, Chai Yao, Zhang Wenzhen, Hou Yinchun** Formation and elimination of large gas bubbles in YAG:Nd crystals 1-32053
- Maa, H.R.** *see* Hwang, H.L. 1-45099
- Maamoun, M.** Parity of cycles containing specified vertices of a graph 1-35805
- Maanders, E.J.** *see* van de Sande, J.H.A.W. 1-41362
- Maaskant, A., Bruinsma, P.J.T.** A fast beam protection system 1-42809
- Maaskant, A.** *see* Kroes, F.B. 1-42968
- Maass, K.P.** *see* Cordes, V. 1-42167
- Maassen, U.** Piezoelectric sensors with built-in charge amplifier 1-38164
- Maayouf, R.M.A.** *see* Adib, M. 1-48656
- Mabaya, N., Lagasse, P.E., Vandenbulcke, P.** Finite element analysis of optical waveguides 1-40899
- Mabbitt, A.W.** *see* Monham, K.L. 1-42277
- Mabey, P.J.** Digital signaling for radio paging 1-42198
- Mabey, P.J.** *see* French, R.C. 1-52070
- Mabilleau, P., Adoul, J.-P.** Vector coding: a new approach to medium-band speech coding 1-33559
- Mabilleau, P., Adoul, J.-P.** Medium band speech coding using a dictionary of waveforms 1-41576
- Mabius, L., Kalnitsky, K., Kaufman, H.** Model reference adaptive control of electric generating plants 1-31042
- Maby, E.W., Wu, C.P.** Carrier mobility in laser-annealed silicon-on-sapphire films 1-40718
- MacAdam, K.B.** *see* Crosby, D.A. 1-27583
- McAdam, P.** Reduced power consumption [CMOS inverter] 1-46301
- McAlear, J.H., Wehrung, J.M.** Biotechnical electron devices 1-46272
- McAllister, D.** *see* Lees, P. 1-37257
- McAllister, D.F., Roulier, J.A.** An algorithm for computing a shape-preserving osculatory quadratic spline 1-50243
- McAllister, M.F.** *see* Chang, C.S. 1-45804
- McAllister, M.W.** *see* Long, S.A. 1-51712
- McAllister, P.B.** *see* Cooper, R. 1-28187
- McAllister, P.R., Ru-Ying Lee, Holland, B.S.** Computation of probabilities from Jensen's bivariate F distribution 1-44858
- Macarie, S.** *see* Ijac, Gh. 1-49451
- Macario, R.C.V.** *see* Heng, Y.-C. 1-42406
- MacArthur, C.A., Anderson, M.D.** Power system operator training: curriculum design and development 1-30592
- MacArthur, C.A., Anderson, M.D.** Power system operator training: curriculum design and development 1-31790
- McArthur, D.** Thin film recording 1-40814
- MacArthur, I.D.** Phase measurement with an oscilloscope 1-30232
- MacArthur, R.A.** *see* Johnston, R.H. 1-30025
- McAshan, M.S.** *see* Lyneis, C.M. 1-48417
- Macaskill, C.C., Uscinski, B.J.** Propagation in waveguides containing random irregularities: The second moment equation 1-33379
- Macau-Hercot, D.** *see* Jamar, C. 1-48113
- McAulay, A.D., Choate, W.C., Shurtleff, R.N.** Accurate modeling for shallow water wave propagation 1-42342
- McAulay, R.J.** A formant-based analyzer channel vocoder synthesizer for low rate speech coding 1-33588
- McAulay, R.J.** A low-rate vocoder based on an adaptive subband formant analysis 1-37444
- Macauley, G.S.** Ultra fast stereo peak indicator [tape recording] 1-47859
- McAvoy, B.R. (editor)** 1980 Ultrasonics Symposium Proceedings 1-31769
- McBrayer, J.D.** SAND81-0345C high-temperature complementary metal oxide semiconductors (CMOS) 1-36696
- McBride, L.E.** *see* Baboian, R. 1-30747, 1-34884
- McBurney, C.A.** Elastomeric polybutadienes in the electronic industry 1-45130
- McCabe, D.H., Moore, R.L.** Passive source tracking using sonar time delay data 1-41675
- McCabe, D.P.** *see* Gibson, R.M. 1-41749
- McCabe, P.J.** *see* Chan, Y.T. 1-37595
- McCabe, T.** *see* Reynolds, J. 1-29817

- McCafferty, G.P. Electric vehicle battery crash-worthiness considerations 1-31594
- McCaldin, J.O., Kuech, T.F. Stability and pinning points in substrate-confined liquids 1-35962
- McCaldin, J.O. *see* Kuech, T.F. 1-45083
- McCall, L.V. A distribution automation demonstration project 1-38748
- McCall, L.V. A distribution automation demonstration project 1-43660
- McCall, M.J. *see* Seyfert, P. 1-51123
- McCalla, W.J., Hoffman, D. Symbolic representation and incremental DRC for interactive layout 1-50995
- McCallum, C.J., Jr. *see* Kochman, G.A. 1-29274
- McCandless, W., Meredith, B., Zavitz, J. RAPS: the key to effective capital spending [telephony] 1-29349
- McCane, D.I. *see* Bro, M.I. 1-32914
- McCann, D.H. *see* Peckerar, M.C. 1-52381
- McCann, J.F., Badwal, S.P.S., Pezy, J. The electrical analogue of an n-SnO<sub>2</sub>/IM NaOH/Pt cell 1-53595
- McCann, T. Use of the slave emulator 1-27429
- McCarten, G.W. Using single chip micros 1-45349
- McCarter, D.O. *see* Richardson, D.C. 1-39363
- McCarthy, J. *see* Martin, M. 1-42823
- McCarthy, J. *see* Merz, W. 1-42971
- McCarthy, J.C. *see* Baer, J.E. 1-46720
- McCarthy, J.S. *see* York, R.C. 1-42794
- McCarthy, M.J. *see* Jones, T.B. 1-30241
- McCarthy, P.F., Soohoo, K.M., Wu, C. Flexible ribbon bus noise coupler 1-31894
- McCarthy, S.L., Lambe, J. Thin-film light emitting display devices 1-33150
- McCartney, H. Check your turbine-oil cleaning 1-43959
- McCartney, R.I., Phillips, R.E. A modular approach to MIL-STD-1553 simulation support 1-52866
- McCaughan, D.V. *see* Deshmukh, V.G.I. 1-50831
- McCaughy, D.G., Andrews, H.C. Image approximation by variable knot bicubic splines 1-37510
- MacChesney, J.B. *see* Walker, K.L. 1-36936
- MacChesney, P. Computer-controlled synthesizer keyboard 1-38055
- Macchi, O., Eweda, E. Convergence of the adaptive filtering in the case of correlated observations 1-37480
- Macchiarella, G., Mauri, M. Statistical results on centimetric wave propagation after two years of activity with the Italian satellite SIRIO 1-33336
- Macchiarella, G. *see* Drufuca, G. 1-46919
- Maccio, G. *see* Arcidiacono, V. 1-44039
- McClain, E.F., Jr., Leach, W.M. Comments on reactance annulling in horn-loaded loudspeaker systems [with reply] 1-52292
- McClanahan, J.H. Photoelectric switch saves energy, reduces complaints 1-31660
- McClellan, A.D. Feedback provides stable bath ground for intracellular recording and stimulation 1-30446
- McClellan, A.D. Extracellular amplifier with bootstrapped input stage results in high common-mode rejection 1-50440
- McClellan, A.D. Theoretical and practical considerations concerning an active current source for intracellular recording and stimulation 1-50589
- McClellan, J.H. *see* Lang, S.W. 1-37963
- McClellan, J.H. *see* Quatieri, T.F. 1-37585
- McClelland, B. Fewer parts resolve shaft encoder data 1-40012
- McClelland, R.W. *see* Bozler, C.O. 1-49683
- McClelland, R.W. *see* Leonberger, F.J. 1-28431
- McCloskey, C. *see* Brown, G. 1-38843
- McCloskey, W.J., Parker, E.L. Excitation systems for small industrial AC generators 1-38962
- McClure, D.J. *see* Sahni, O. 1-41026
- McClurg, R. *see* Grice, D. 1-27406
- McCluskey, E.J., Wakerly, J.F. A circuit for detecting and analyzing temporary failures 1-32303
- McClymonds, J.W. *see* Adlerstein, M.G. 1-40541
- McColl, M. *see* Silver, A.H. 1-28324
- McCombe, B.D. *see* Bishop, S.G. 1-28567
- McCombe, B.D. *see* Cole, T. 1-32713
- McCombs, M.D. *see* Bassett, R. 1-32802
- McConalogue, D.J. Numerical treatment of convolution integrals involving distributions with densities having singularities at the origin 1-44859
- McConnell, J.W. *see* Chapman, G.T. 1-38384
- McConnell, R.A. *see* Allen, M.A. 1-42954
- McCorkell, C. *see* Cahill, S.J. 1-35581
- McCorkle, R.A., Penebre, N. Cathode-fall ion source 1-30304
- McCormack, J.S. Remote optical measurement of temperature using luminescent materials 1-52408
- McCormick, G.A. *see* Richardson, W.S. 1-32314
- McCormick, G.C. Polarization errors in a two-channel system 1-28915
- McCormick, G.C. *see* Hendry, A. 1-28901
- McCormick, J.B., Wilde, D., Depp, S., Hamilton, D.J., Kerwin, W., Derouin, C., Roybal, L., Dooley, R. Development of integrated thermionic circuits for high-temperature applications 1-36431
- McCormick, K.S. *see* Webber, R.V. 1-29668
- McCormick, W.S. A recursive time domain analysis of distributed line grid networks with application to the LTA/EMP problem 1-52897
- McCosh, A.M., Maluste, R.D. Simulating the forces impinging upon the research budgets and organizations of a major firm—a test of a possible method 1-26841
- McCourt, J.W., Orifice, D., Sottovia, P., Lee, G., Patton, R.N., Alex, P., Engelhardt, J. Progress in the field validation of the cable monitoring and rating system 1-34960
- McCourt, J.W. *see* Lee, G. 1-30749
- McCown, A.D. *see* Engmann, G.R. 1-44275, 1-49629
- McCown, A.W., Eden, J.G. ZnI (B—X) laser: 600-604 nm 1-51334
- McCown, W.R. *see* Flick, C. 1-31179
- McCoy, J.M., French, S.L., Abnous, R., Nicolai, M.J. A local computer network simulation 1-39311
- McCoy, J.W. *see* Mott, H. 1-42326
- McCrear, P.G. *see* Witten, I.H. 1-40111
- McCreedy, L., Chowaniec, A., Watson, S., Mehta, N., Choi, D. A monolithic Formant-based parametric speech synthesizer 1-51807
- McCreary, J., Hunt, J. NMOS comparator for a bubble memory 1-28133
- McCrum, W.A., Ryan, M.G. Risks and benefits of new communications services [data communications] 1-29476
- McCubbin, N.A. *see* Cockerill, D. 1-43233
- McCulloh, T.A. *see* Tseng, D.Y. 1-48811
- McCullough, D.P. Variations on Itakura's spectral match score 1-41569
- McCutchan, D.A. *see* Le, K.D. 1-43498
- McCutcheon, M.J. *see* Kimble, S.O. 1-43294
- McDaniel, B. *see* Billing, M. 1-42862
- McDaniel, B. *see* Rice, D. 1-42989
- McDaniel, B. *see* Seeman, J. 1-43023
- McDaniel, B.D. The commissioning and performance characteristics of CESR 1-42780
- McDaniel, D.H. *see* VanDevender, J.P. 1-33376
- McDermott, D.B. *see* Birkett, D.S. 1-51487
- McDermott, J. Fiber-optic-cable choices expand to fill design needs 1-47670
- McDermott, J. Zero-voltage-crossing devices head of AC-switching interference 1-50407
- McDermott, K.J. Piaget for engineers 1-26817
- McDermott, P.P., Vasanth, K.L. An accelerated test design for use with synchronous orbit 1-31429
- McDermott, R.M. Random fault analysis [LSI test pattern evaluation] 1-46246
- McDevitt, E.J. A microprocessor based adaptive digital echo canceller 1-29501
- MacDiarmid, A.G. *see* Feldblum, A. 1-32892
- MacDiarmid, A.G. *see* Gau, S. 1-45110
- MacDiarmid, A.G. *see* Heeger, A.J. 1-27937
- MacDiarmid, C. General percolation and random graphs 1-26989
- McDicken, W.N. *see* Wild, S.R. 1-34568
- McDonald, A. *see* Kitney, R. 1-48738
- McDonald, A.C. *see* Baranski, A.S. 1-40394
- McDonald, A.M. *see* Allan, C.J. 1-34456
- McDonald, C.F. The HTGR-GT closed-cycle gas turbine—a plant concept with inherent cogeneration (power plus heat production) capability 1-30914
- McDonald, C.F., Boland, C.R. The nuclear closed-cycle gas turbine (HTGR-GT)—dry cooled commercial power plant studies 1-35004
- McDonald, C.F., Smith, M.J. Turbomachinery design considerations for the nuclear HTGR-GT power plant 1-35003
- Macdonald, D.D. *see* McKubre, M.C.H. 1-31413, 1-35337
- McDonald, E. *see* Waltman, D.J. 1-28399
- McDonald, E.W., Klein, M.G., Leo, A.J. Hybrid lithium/nickel-zinc large missile ground power source 1-30528
- McDonald, G.C. *see* Lorenzen, T.J. 1-39530
- McDonald, J. Dual tracking power supply gives DC protection 1-27276
- McDonald, J. Variable-output regulator 1-39922
- Macdonald, J.A. *see* Baartman, R. 1-48338
- McDonald, J.A. *see* Cioffi, J.M., Jr. 1-50016
- Macdonald, J.A. *see* Hargrove, C.K. 1-43237
- McDonald, J.F. *see* Donohue, B.P., III. 1-42108
- McDonald, J.F. *see* Steckl, A.J. 1-40728
- MacDonald, J.R., Kenan, W.R., Jr. Interface effects in the electrical response of non-metallic conducting solids and liquids 1-28136
- MacDonald, J.R. *see* Baranski, A.S. 1-40394
- McDonald, L. Logarithmic amplifiers for bipolar input signals 1-39931
- McDonald, L. JFET protects operational amplifiers 1-39932
- Macdonald, N. Developments improve the economy of temperature and humidity monitoring 1-34274
- McDonald, N.A., Majewski, M.L. Dielectric resonators and their applications 1-40218
- McDonald, P.H., Thompson, T.J. Designer's Workbench: the programmer environment 1-27212
- McDonald, R.C. *see* Goebel, F. 1-30527
- MacDonald, R.I. Frequency domain optical reflectometer 1-36865
- Macdonald, R.I., Hara, E.H., Hum, R.H. Fast photoconductive opto-electronic broadband switch with low control voltage 1-51271
- McDonald, W.C., Williams, T.G. Evaluation of multi-microprocessor interconnection networks for a class of sensor data processing problems 1-41711
- McDonna, A.P. *see* Brace, D.J. 1-42282
- MacDonnell, F. *see* Avery, R. 1-42826
- McDonough, M., Deane, G. Preliminary results of an evaluation of the landuse and geologic data content of Seasat imagery 1-30538
- MacDougall, J.W. Distributions of the irregularities which produce ionospheric scintillations 1-41237
- MacDougall, J.W. *see* Lau, E.C.W. 1-38002
- McDowell, J.A. *see* Lewkowicz, J. 1-39944
- McDowell, P., Denyer, P.B., Reid, J.R.C., Flynn, M.J. A new improved 64 point CCD programmable transversal filter 1-40107
- McDowell, W.P. *see* Keefe, D.J. 1-31847
- McDuffee, F.T., Osborne, T.G., Bickel, G.W. Techniques to overcome failure mechanisms in optical fiber splices 1-36943
- Mace, O. *see* Koga, R. 1-34473
- Mace, P.N. Excimer laser technology 1-28643
- McEachran, A.B. *see* Wilson, T.L. 1-43369
- Macek, O. High speed diodes. I 1-27978
- Macek, O. Fast power diodes. II. The use in cut-off, flow-through and push-pull converters 1-32165
- Macek, O. Fast recovery diodes. III 1-40539
- Macek, R.J. *see* Hagermann, D.C. 1-48347
- McEliece, R.J. The asymptotic redundancy of Huffman coding 1-33436
- McEliece, R.J. Practical codes for photon communication 1-52108
- McEliece, R.J. *see* Blumer, A.C. 1-33447
- McEliece, R.J. *see* Cover, T.M. 1-51873
- McEliece, R.J. *see* Davison, L.D. 1-41495
- Macellari, V. *see* Leo, T. 1-52770
- McElroy, A.J., DiPlacido, J.N., Warner, R.E., Journey, J.L. Early failure occurrence patterns in power generating station equipment 1-30623
- McElroy, A.J., Favaloro, F.J., Logan, B.W., McElroy, A.J., Reese, J.T., Smircina, J.R. Recording failure histories in power generating stations 1-30848
- McElroy, A.J. *see* McElroy, A.J. 1-30848
- McElroy, A.J. *see* Scherer, H.N., Jr. 1-30622
- McElwee, C.S. Evaluating organic fluxes [PCB solderability] 1-32499
- Macerata, A., Taddei, A., Marchesi, C., Mancini, P. A new dynamic display for analysis of 24 hour ECG microprocessor-based system 1-30463
- Macerata, A. *see* Marchesi, C. 1-48739
- Maceri, A. *see* Toscano, R. 1-27085
- McEwan, N.J., Alves, A.P., Poon, H.W., Dissanayake, A.W. OTS propagation measurements during thunderstorms 1-28898
- McEwan, N.J., Alves, A.P., Poon, H.W., Dissanayake, A.W. OTS propagation experiments with radar, electric field and thunder location data 1-46899
- McEwan, N.J., Gunes, M., Mahmoud, M.S. RF methods for adaptive cancellation of cross polarisation in microwave satellite systems 1-46928
- McEwan, N.J. *see* Haworth, D.P. 1-28875
- McEwan, W.R. *see* Cockayne, B. 1-27097, 1-27846, 1-39752
- McFadden, D.P. *see* Baldwin, M.S. 1-43528, 1-48984
- MacFarland, J., Robortaccio, R., Struk, J.R. Integrated Harper Cell 1-40688
- MacFarland, J.L. *see* Chadwick, G.G. 1-51708
- MacFarland, M.C. On proving the correctness of optimizing transformations in a digital design automation system 1-45413
- MacFarland, M.D. *see* Ferrell, P.J. 1-52910
- MacFarland, R.C., Makhijani, M.P., Weber, J.O.C. Oscillating electrodish discharge wire stripper-head 1-50647
- MacFarland, R.H. Application of endfire arrays at contemporary glide-slope problem sites 1-34679
- MacFarlane, I. *see* Steele, D.J. 1-30282
- Macfarlane, I.B. Main-line electrification: some perspectives, expectations and prospects 1-35461
- Macfarlane, R., Shelby, R. Narrow band optical filters produced by photochemical bleaching 1-28549
- Macfarlane, R. *see* Bjorklund, G.C. 1-28420
- McFarlane, R.A. *see* Olson, G.L. 1-27111
- McFee, J.E., Das, Y. Determination of the parameters of a dipole by measurement of its magnetic field [magnetometer sensors] 1-42596

- McGee, R.** Seawater cooling tower shows few problems in five years 1-30969
- McGee, T.F.** *see* Fitzpatrick, B.J. 1-32058
- McGee, T.J.** *see* Heaps, W.C. 1-48863
- McGeehan, J.P.,** Burrows, D.F. Large signal performance of feedback automatic gain control systems 1-29168
- McGeehan, J.P.,** Burrows, D.F. The impact of CCD technology on feedforward automatic gain control systems for mobile radio communications 1-29647
- McGeehan, J.P.** *see* Burrows, D.F. 1-46948
- McGeehin, P.** *see* Hooper, A. 1-49649
- McGhee, D.** *see* Praeg, W. 1-42914
- McGil, A.** The system is the solution—or is it? [intercomputer communication network prospects] 1-51961
- McGill, J.** *see* Madan, A. 1-35373
- McGill, R.** *see* Gavin, B. 1-43184
- McGillen, C.D.** *see* Kou-yuan Huang 1-43434
- McGonigal, G.C.,** Card, H.C. Improvements in aluminum-silicon Schottky barriers due to processing with a pulsed ruby laser 1-36518
- McGovern, P.A.** A class-AB amplifier technique with low level crossover and reduced thermal cycling 1-39951
- McGovern, R.,** Paulsen, V., Salinas, N. A classification theorem for essentially binormal operators 1-44924
- McGowan, J.G.** *see* Manwell, J.F. 1-49386
- McGranaghan, M.,** Rocamora, R. Hybrid model optimizes static var design 1-30595
- McGranaghan, M.F.,** Dugan, R.C., Sponsler, W.L. Digital simulation of distribution system frequency response characteristics 1-34866
- McGranaghan, M.F.,** Dugan, R.C., Sponsler, W.L. Digital simulation of distribution system frequency-response characteristics 1-38750
- McGranaghan, M.F.,** Shaw, J.H., Owen, R.E. Measuring voltage and current harmonics on distribution systems 1-43667
- McGrath, C.** A new solid tantalum capacitor [for hybrid ICs] 1-45720
- McGrath, J.C.** *see* Nix, E.L. 1-51045
- McGrath, M.F.,** Henry, M.G. Logistic simulation—a credible tool for decision makers? 1-44752
- McGregor, D.N.,** Tasoulis, G., Kinal, G.V. Improving the performance of soft decision Viterbi decoding in a non-Gaussian environment through non-linear quantization 1-29117
- MacGregor Smith, J.,** Lee, D.T., Liebman, J.S. An  $O(n \log n)$  heuristic for Steiner minimal tree problems on the Euclidean metric 1-31983
- McGuirk, M.,** Logan, L. Focal-plane optimization for detector noise limited performance in cryogenic Fourier transform spectrometer (FTS) sensors 1-48094
- Mach, L.L.** New concepts in hand assembly [electronic production] 1-26929
- Machac, P.,** Myslik, V. On the degradation of semiconductor luminescent elements 1-28590
- Machac, P.** *see* Hudec, L. 1-46653
- Machac, V.** Selection circuits for the evaluation of analog signals in multi-channel measuring and control circuits 1-48032
- Machalek, M.D.** *see* Hamm, R.W. 1-42880
- Machalek, M.D.** *see* Liska, D. 1-38325
- Machczynski, W.** Currents and potentials along two parallel underground conductors due to conductive energization 1-49039
- Machczynski, W.** Currents and potentials along two parallel underground conductors due to short-circuit current in a power line 1-49040
- Machen, D.R.** *see* Suyama, R.M. 1-42935
- Machet, J.,** Guille, J., Saulnier, P., Robert, S. Deposition of conducting and transparent thin films of indium tin oxide by reactive ion plating 1-50327
- Machida, H.** *see* Yamakawa, I. 1-28859
- Machida, H.** *see* Yonemura, M. 1-37222
- Machida, S.,** Sakai, J., Kimura, T. Polarisation conservation in single-mode fibres 1-46503
- Machida, S.** *see* Hara, E.H. 1-41019, 1-51274
- Machida, S.** *see* Kanbe, H. 1-51273
- Machida, S.** *see* Yamada, J.I. 1-42231
- Machida, T.** *see* Sasaki, H. 1-39046
- Machihara, F.** Trunk reservation for two-way trunk group with overflow input 1-47281
- Machihara, F.** Measurement accuracy for loss system [telephone traffic] 1-47327
- Machihara, F.** Markovian service system transient probabilities and their application [telephone traffic] 1-47328
- Machihara, F.** Transition probabilities of Markovian service system and their application 1-51877
- Machihara, F.** Measurement accuracy for a loss system 1-51915
- Machon, D.** A complete recording package 1-42431
- McHugh, R.** *see* Ejigou, A. 1-35740
- Machuzak, R.J.,** Graf, E.R., Phillips, C.L., Starks, S.A. Three edge-point estimation schemes for tracking airborne targets 1-42314
- Macie, T.W.** Diesel and electric traction configuration study of freight operations 1-49765
- Maciejko, R.** *see* Conradi, J. 1-42237
- McIlhagger, D.S.** Output optimization from a group of wave energy converters 1-53304
- McIlvenna, J.F.** *see* Mailloux, R.J. 1-29023
- McIlwain, A.** *see* de Jong, M. 1-42881
- McIlwain, A.** *see* Oh, S. 1-43155
- Macina, N.A.** Maximum entropy modeling for identification and detection of certain classes of dynamic events 1-41716
- McIngvale, P.H.,** Guyton, R.D. Experimental evaluation of video preprocessing algorithms for automatic target hand-off 1-42323
- McIntosh, D.N.** *see* Osterfield, J.R. 1-33984
- McInturff, A.D.,** Gross, D. Magnetization characterization study for the energy saver/doubler dipoles 1-40874
- McIntyre, P.** *see* Kells, W. 1-48527
- McIntyre, P.M.** *see* Forster, R. 1-42976
- McIntyre, P.M.** *see* Kells, W. 1-43030
- McIntyre, R.L.,** Cyrulewski, J.D. Practical benefits of load modification for the Detroit Edison Company 1-43530
- McIntyre, R.L.,** Cyrulewski, J.D., Goodrich, J.M. Practical benefits of load modification for the Detroit Edison Company 1-34764
- McIntyre, R.N.** *see* Reynolds, M.R. 1-32434
- MacIntyre, W.** *see* Haaga, J.R. 1-34612
- McIver, C.H.** *see* Liu, T.S. 1-45845
- Mack, I.A.,** White, M.H. A CCD monolithic LMS adaptive analog signal processor integrated circuit 1-40726
- Mack, I.A.** *see* Borusk, G.M. 1-42586
- Mack, I.M.** *see* Rowe, H.E. 1-51221
- Mack, J.M.** *see* Kruse, H.W. 1-34474
- Mack, M.E.** *see* Northam, D.B. 1-33206
- Mack, M.H.** *see* Hachtel, G.D. 1-50900, 1-50901
- Mack, R.M.** *see* Farrell, A.N. 1-42256
- McKay, C.** Designing ATE testable PCBs 1-40299
- McKay, C.A.** Solder creams and how to use them [electronic equipment manufacture] 1-26924
- McKay, C.A.** Solder creams and how to use them 1-44688
- Mackay, D.** *see* Martin, G. 1-46265
- McKay, J.M.** *see* Swartzlander, E.E., Jr. 1-41710
- McKay, R.** *see* Bowyer, A.W. 1-30727
- Macke, D.P.** GTD-5 EAX symbolic testing 1-47479
- McKean, A.L.** *see* Allam, E.M. 1-34888
- McKean, A.L.** *see* Allam, E.M., Sr. 1-30746
- McKean, A.L.** *see* Doepken, H.C., Jr. 1-43705
- McKee, D.** *see* Jack, M.A. 1-46378
- McKee, J.R.** A survey of potential innovation related to office documents 1-31825
- McKee, J.S.C.** *see* de Jong, M. 1-42881
- McKee, P.,** Long, C., Corbyn, T. VT80: ITNs new computer graphics generator 1-29902
- McKee, R.J.** *see* Hargrove, C.K. 1-43237
- McKee, S.** *see* Allen, K. 1-45055
- Mackellar, J.C.** Electronics in the home 1-38025
- McKenna, C.M.** *see* Hicks, W.W. 1-28057, 1-44705
- McKenna, C.M.** *see* Keller, J.H. 1-40640
- McKenna, J.,** Mitra, D., Ramakrishnan, K.G. A class of closed Markovian queueing networks: integral representations, asymptotic expansions, and generalizations 1-47264
- Mackensen, E.** *see* Fox, U. 1-43898
- Mackenthun, K.M.,** Jr. Noiseless coding of error detection information 1-37415
- Mckenzie, D.R.,** Window, B., Harding, G.L., Collins, A.R., Mackey, D.W.J. In-line production system for sputter deposition of graded index solar absorbing films 1-50321
- MacKenzie, E.C.** *see* Davies, P.G. 1-46911
- MacKenzie, G.H.** *see* Baartman, R. 1-48338
- MacKenzie, H.A.** *see* Dennis, R.B. 1-28775
- MacKenzie, J.W.** *see* Salkind, A.J. 1-43342
- Mackenzie, K.D.** *see* Snell, A.J. 1-34333
- McKenzie, P.F.,** Coomber, D.B., Hutchinson, B.H., Jr. Design and performance of a SAW-based MFSK demodulator 1-29206
- MacKenzie, R.** *see* Avery, R. 1-42826
- McKenzie, R.D.,** Jr. *see* Duthie, J.F. 1-30053
- McKeown, J.,** Schriber, S.O. Accelerating structure with on-axis couplers for electron storage rings 1-43060
- McKeown, J.** *see* Chan, K.C.D. 1-42958
- McKeown, J.** *see* Conetti, S. 1-42877
- McKeown, M.** *see* Thieberger, P. 1-42849
- McKeown, R.D.** *see* Gagliardi, C.A. 1-43167
- Mackey, D.W.J.** *see* McKenzie, D.R. 1-50321
- Mackey, H.J.** *see* Moss, S.C. 1-50746
- McKinder, P.J.** *see* Massara, R.E. 1-27498
- McKinlay, W.H.** Evolution of tactical and map displays for high performance aircraft 1-30509
- McKinlay, W.H.** The application of inertial and associated autonomous guidance techniques to helicopters 1-42361
- McKinney, T.** *see* Koontz, R. 1-42926
- McKinnon, W.R.,** Haering, R.R. Strain effects in intercalation systems 1-44349
- McKinstry, H.A.** *see* Shrout, T.R. 1-32947
- MacKintosh, N.D.** Standard encoder provi des custom code 1-41490
- Mackison, D.L.** *see* Paul, A.K. 1-33346
- McKnight, C.E.,** Jr. The Army's national role in NATO communications 1-29295
- MacKnight, R.B.,** III Component identification 1-31881
- Mackocoak, E.** *see* Brice, J.M. 1-40700
- Macksey, H.M.,** Doerbeck, F.H. GaAs FETs having high output power per unit gate width 1-36629
- Macksey, H.M.,** Hua Quen Tserng, Nelson, S.R. GaAs power FET for K-band operation 1-32841
- Macksey, H.M.** *see* Hua Quen Tserng 1-45655
- McKubre, M.C.H.,** Macdonald, D.D. Temperature limitations of alkaline battery electrodes 1-31413
- McKubre, M.C.H.,** Macdonald, D.D. The dissolution and passivation of zinc in concentrated aqueous hydroxide 1-35337
- MacLachlan, J.A.,** Nicholls, G., Nicholls, J., Silvestrov, G., Vsevolozhskaya, T. Pulsed high current optics for  $\beta$  production at 5.4 GeV/c 1-43071
- MacLachlan, J.A.** *see* Griffin, J.E. 1-42887, 1-42888
- MacLachlan, J.A.** *see* Krienen, F. 1-43052
- McLagan, G.** *see* Azarm, A. 1-31062
- McLain, D.K.,** Zollweg, R.J. Convection in horizontal high-pressure mercury, mercury plus iodine, and metal halide additive arcs 1-27745
- McLain, D.K.** *see* Zollweg, R.J. 1-49783
- McLaren, C.** Plant safety monitoring—the digital way 1-49973
- McLaughlin, D.** Practical considerations when testing switching power supplies 1-50417
- McLaughlin, M.** *see* Jonckheere, A. 1-30300
- McLaughlin, P.T.** A single-chip speech synthesis system 1-29145
- McLaughlin, W.L.** *see* Humphreys, J.C. 1-38417
- MacLaurin, B.K.** *see* Baraff, D.R. 1-42692
- Maclean, D.J.H.** Towards more realistic stability margins in feedback amplifiers 1-45280
- Maclean, D.J.H.,** Niclas, K.B., Wisler, W.T., Gold, R.B., Hitchens, W.R. Comments on 'The matched feedback amplifier: ultrawide-band microwave amplification with GaAs MESFET's' 1-40234
- McLean, F.B.** A framework for understanding radiation-induced interface states in  $\text{SiO}_2$  MOS structures 1-27873
- McLean, G.W.,** Al-Abadi, H.J. Permanent magnet brushless drives using claw armatures 1-53712
- MacLean, L.C.** Lagrange multipliers in chance constrained programming 1-44981
- McLean, N.** The new economics in automatic insertion [electronic industry] 1-26930
- Maclean, T.S.M.,** Saini, S.P.S. Efficiency and signal/noise ratio of short linear dipoles 1-47008
- McLear, P.W.** *see* Clark, K.W. 1-52786
- McLellan, E.J.** *see* Stotlar, S.C. 1-48089, 1-48101
- McLellan, P.C.** DSCS—an evolving operational system 1-47593
- McLennan, C.G.** *see* Medford, L.V. 1-38582
- Macloed, C.J.,** Durrani, T.S., Hayward, G. A new model of the piezoelectric ultrasonic transducer 1-43474
- MacLeod, C.J.** *see* Durrani, T.S. 1-43478
- McLeod, J.** Test-software packages attack faults quickly, accurately 1-34185
- McLeod, J.** ADC compensates for thermocouple nonlinearity 1-34246
- McLeod, N.** Wide-range PPM 1-29936
- McLeod, P.C.** *see* Mazumder, M.K. 1-52603
- McLeod, T.** Integrating development and manufacture 1-49916
- McLevige, W.V.** *see* Doerbeck, F.H. 1-36672
- McLucas, J.L.,** Sheffield, C. (editor) Commercial Operations in Space 1980-2000. 18th Goddard Memorial Symposium 1-44609
- McLyman, W.T.** Improved production of gapped-ferrite transformer cores 1-32978
- McMahon, D.H.** *see* Nelson, A.R. 1-28429, 1-30073, 1-38188
- McMahon, E.J.** A tree growth inhibiting insulation for power cable 1-53094
- McMahon, J.M.,** Burns, R.P., De Rieux, T.H., Hunsicker, R.A., Lehmberg, R.H. The upgraded Pharos II laser system 1-51411
- MacMahon, T.D.** *see* Habib, S. 1-30340
- McManus, J.B.,** People, R., Aggarwal, R.L., Wolff, P.A. Nonlinear absorption due to shallow donors in germanium at  $10.6 \mu\text{m}$  1-51519
- McManus, P.E.** *see* Coppenhath, L.F. 1-44700
- McMaster, W.H.,** Gong, E.Y., Landram, C.S., Quinones, D.F. Fluid structure coupling algorithm 1-39684
- McMichael, G.E.** *see* Ungrin, J. 1-48431
- McMichael, I.C.** *see* Diels, J.-C. 1-37180
- McMillan, I.,** Minder, Ch.E. Parameter estimation for the one compartment open model 1-44843
- McMillan, R.W.,** Shackelford, R.G., Gallagher, J.J. Millimeter-wave beamrider and radar systems 1-47725
- McMillen, R.J.,** Siegel, H.J. Dynamic rerouting tag schemes for the augmented data manipulator network 1-47407
- McMurray, W.** The performance of an inverter having AC switched commutation 1-44209
- McMurray, W.R.** *see* Bartle, C.M. 1-30311

- McNab, A., Rushbrook Williams, S.J.C. A micro-computer aid to operator-based weld inspection 1-34200
- McNab, I.R. *see* Schreurs, J. 1-35112
- McNally, G.W., Moore, T.A. A modular signal processor for digital filtering and dynamic range control of high quality audio signals 1-42475
- McNally, R.G. Transmission line overhead earth-wires, thermal rating for earth fault levels 1-43742
- McNamara, D.A. An octave bandwidth meander-line polariser consisting of five identical sheets [antennas] 1-51694
- McNamara, R.P. *see* Strand, L.D. 1-34673
- McNaught, D.J. *see* Harrison, H.B. 1-34565
- McNaughten, N.K. *see* Ebel, A.J. 1-52196
- McNaughton, M.W. *see* Ransome, R.D. 1-43200
- McNeal, B.E., Gergis, I.S. Conductorless switching in non-implanted magnetic bubble devices 1-46446
- McNees, G.K. Transmission performance of  $\mu=255$  quantization in a local digital office 1-29527
- McNeill, G.R., Macurda, H.B. Infrared (IR) calibration measurement requirements: development from system requirements 1-52476
- McNeill, W.E. *see* Eppel, J.C. 1-47885
- McNeilly, G.S. SATDSK: a numerical simulation of the magnetic field due to saturated iron in cyclotron poletips 1-48329
- McNeilly, G.S. *see* Martin, J.A. 1-42895
- McNelis, B. *see* Stephens, W.H. 1-53689
- McNickle, D.C. *see* Disney, R.L. 1-26985
- McNicol, B.D. Electrocatalytic problems associated with the development of direct methanol-air fuel cells 1-53609
- McNiel, D.R. *see* Braun, H.I. 1-39532
- McNitt, M. *see* Talukdar, S.N. 1-34768
- McNutt, M.J., Meyer, W.E. Bulk impurity charge trapping in buried channel charge coupled devices 1-40595
- McNutt, W.J. *see* Douglas, D.H. 1-49536
- Macomber, H.L. U.S. Photovoltaic application experiments and market development 1-53657
- Macomber, L. *see* Bailey, P. 1-50404
- Macor *see* Aylott 1-49822
- Macourek, P. Testing the TMS 9918 video display processor 1-52406
- Macourek, P.H. Programmable mixing of color graphics and external video using new LSI display processor 1-34212
- Macourek, P.H. *see* Guttig, K.M. 1-34211
- McPartland, J.F. Motor control circuit design and the 1981 NE code 1-35326
- McPartland, J.F. Illustrated changes in the 1981 National Electrical Code 1-49946
- McPartland, J.F. The ABCs of electrical systems design 1-53072
- McPartland, J.F. The ABCs of electrical systems design. III 1-53073
- McPhedran, R.C., Perrins, W.T. Electrostatic and optical resonances of cylinder pairs 1-33307
- Macpherson, A.C. *see* Cohen, E.D. 1-36624
- McPherson, C.A., Hwang, J.J., Hall, E.L. A criterion for best shapes for edge correlation 1-48892
- MacPherson, C.A. *see* Boyd, W.W. 1-42318
- McPherson, D.A. Tapped delay line implementations for range extended RF target models 1-42332
- McPherson, D.A. *see* Mitchell, R.L. 1-47173
- McPherson, G. *see* Schlake, R.L. 1-44043
- Macpherson, P.C., Meldrum, S.J., Tunstall-Pedoe, D.S. Angioscan: a spectrum analyser for use with ultrasonic Doppler velocimeters 1-30414
- MacPherson, R. *see* Borho, W. 1-44910
- Macphie, R.H. *see* Safavi-Naini, R. 1-28956
- McQuade, E., Salih, A.M. Simulation of a telecommunications multiprocessor switching system 1-37824
- McQuaid, J.H., Brown, D.R., Gozani, T., Bozorgmanesh, H. High rate spectroscopy for on-line nuclear coal analyzer (Nucoalizer CONAC) 1-34547
- McQuaid, J.H. *see* Bingham, G.E. 1-52463
- MacQuigg, D., Somerville, T. Analog phase detector for CMOS/LSI 1-39998
- McQuillan, J.M., Walden, D.C. Portable software for electronic mail makes it hardware-independent 1-29381
- McQuillan, J.M. *see* Thedens, M. 1-47353
- McQuilton, D. Effective constraint length of 'cyclic' convolutional self orthogonal codes 1-29093
- Macropoulos, W. *see* Chu, A. 1-28082
- Macropoulos, W. *see* Clifton, B.J. 1-45695
- Macrosson, W.D.K. *see* Secker, P.E. 1-31799
- McShurley, D. *see* Cisneros, E. 1-34501
- McShurley, D.G., Osoy, G., Shapiro, S., Trang, Q., Williams, S. A stand-alone beam steering and profile monitor 1-52634
- Macur, R.A. *see* Myklebust, J.B. 1-30395
- Macurda, H.B. *see* McNeill, G.R. 1-52476
- McVein, J. *see* Martin, G. 1-46265
- McVeigh, P.J., Rudish, R.M. A wideband shaped-beam low-sidelobe conformal array step-scannable via a modified Blass network 1-51730
- McVey, E.S. *see* Inigo, R.M. 1-33687
- McWhirter, J.G., Roberts, J.B.G., Simons, R.F. A compact digital coder for extreme bit rate reduction of television pictures 1-52249
- McWhorter, L.V. Response of various monopulse seekers to a multi-source environment 1-42330
- McWright, G.M. *see* Howell, B.P. 1-40215
- Maczka, D., Meldizon, A., Zuk, W., Latuszynski, A. Penning ionization in a plasma ion source [EM isotope separators] 1-52659
- Madachi, T., Koga, T. The application of interpolation theory to the problem of group-delay approximation 1-32133
- Madama, G. Smaller without PCB Development of capacitors since the abandonment of chlorinated biphenyls 1-32414
- Madan, A., McGill, J., Ovshinsky, S.R., Czubytyj, W., Yang, J., Shur, M. Effect of an interfacial oxide on amorphous Si:F:H alloy based metal insulated semiconductor (MIS) devices 1-35373
- Madan, R.N., Guild, J.M. Maximum likelihood estimation in detection in radar signals 1-34002
- Madar, J. *see* Cerven, I. 1-38460
- Madarasz, Z. Industrial electron beam detector 1-48447
- Maddock, B.J., Lawton, K.L., Pickup, K.H. Optical fibres in overhead power transmission systems for communication and control 1-34899
- Maddock, B.J., Pullen, F.D. Telecommunication using optical fibres on power lines 1-42261
- Maddocks, A.J., Jackson, G.A. Measurements of radio frequency voltage and power induced in structures on the St. Fergus gas terminals 1-26884
- Maddox, R.L. Reverse CMOS processing 1-28118
- Madeja, L. *see* Karcz, L. 1-44684
- Mader, S.R. *see* Das, G. 1-50879
- Mader, S.R. *see* Rimini, E. 1-50758
- Mader, W., Stocker, H., Tobolka, G. Diffraction in TV-IF filters using multistrip couplers 1-36782
- Mader, W., Stocker, H., Veith, R. Compensation of diffraction effects on group delay time and stop-band rejection SAW bandpass filters 1-32944
- Maderbacher, F. Power field effect transistors—characteristics of V-MOSFETs with market 1-46138
- Maderbacher, F. *see* Pichler, H. 1-39897
- Madero, C. Castro *see* Castro Madero, C.
- Madey, J.M.J. *see* Deacon, D.A.G. 1-46661
- Madey, J.M.J. *see* Gaupp, A. 1-38346
- Madey, J.M.J. *see* Kroll, N.M. 1-51316
- Madge, R.C. *see* Boggs, S.A. 1-49617
- Madhava, M.R., Randyopadhyay, A.K., Bhat, H.L. Effect of pressure on the electrical resistivity of indium sulphide 1-50805
- Madhukar, A. *see* Singh, J. 1-40459
- Madjar, A., Rosenbaum, F.J. A large-signal model for the GaAs MESFET 1-46148
- Madore, G. *see* Cheeke, J.D.N. 1-36487
- Madou, M.J., Frese, K.W., Morrison, S.R., Jr. Photoelectrochemical corrosion of semiconductors for solar cells 1-35380
- Madrigal, R. Inigo *see* Inigo Madrigal, R.
- Madsen, J. *see* Yanglai Cho 1-48341
- Madsen, J.J. *see* Schultz, P.F. 1-43161
- Madsen, K. Rational use of energy—not rationing 1-49715
- Madzharova, N.A., Apostolov, E.M. New technologies for increasing the resolving power of the lithographic process for the production of large integrated circuits 1-28052
- Madziar, J. *see* Kraszewski, A. 1-48262
- Maeda, F. *see* Ogura, S. 1-33313
- Maeda, H. *see* Kagawa, Y. 1-40759
- Maeda, H. *see* Kensley, R.S. 1-28402
- Maeda, M., Kagawa, K., Tachi, T., Miyazaki, K., Ueda, M. Medical application of N<sub>2</sub> laser to treatment for dermatomyositis 1-43372
- Maeda, M., Mizunami, T., Sato, A., Miyazoe, Y. Amplification of UV picosecond pulses by excimer lasers 1-28631
- Maeda, M. *see* Takahashi, M. 1-33991
- Maeda, M. *see* Tanaka, T.P. 1-29748
- Maeda, R. *see* Ichinose, M. 1-41238
- Maeda, R. *see* Ishizawa, K. 1-51614
- Maeda, T. *see* Izumi, T. 1-52949
- Maeda, T. *see* Mori, F. 1-26852
- Maeda, Y., Hirono, S., Yoshii, S. Preparation of perpendicular magnetic Co-Cr films by vacuum evaporation 1-46393
- Maeder, K. Refined technique for the Video—2000. II 1-34108
- Maeguchi, K. *see* Isobe, M. 1-27469
- Maeguchi, K. *see* Mizutani, Y. 1-40710
- Maehara, H. *see* Kushiibiki, J. 1-32659
- Maejima, H. *see* Masuda, I. 1-53587
- Maekawa, D., Iwai, K. The development of Programs for use in ICAS 1-33812
- Maekawa, S. *see* Yao, T. 1-35952
- Maekawa, T. *see* Mori, S. 1-33811
- Maekawa, T. *see* Suzuki, M. 1-40424, 1-45948
- Maenpaa, M., Nicolet, M.-A., Suni, I., Colgan, E.G. Contact resistivities of sputtered TiN and Ti-TiN metallizations on solar-cell-type-silicon 1-50895
- Maenpaa, M. *see* Grimaldi, M.G. 1-39769, 1-50276
- Maenpaa, M. *see* Kuech, T.F. 1-50278
- Maerfeld, C. *see* Boucher, D. 1-52963
- Maerfeld, C. *see* Gautier, H. 1-36750
- Maerfeld, C. *see* Gelly, F. 1-43468
- Maes, H., Six, P., Sansen, W. A model for the breakdown characteristics of p-channel MOS transistor protection devices 1-46324
- Maes, H.E., Six, P., Sansen, W.M.C. The implanted Zener diode (IZD) as an input protection device for MOS integrated circuits 1-51020
- Maes, H.E. *see* Vandervorst, W.B. 1-45894
- Maestro, P. *see* Demazeau, G. 1-46394
- Maffett, A.L. *see* Shuchman, R.A. 1-38593
- Maffezzoni, C., Marchese, V. Structural parameter estimation in power systems 1-30588
- Maffioli, F. *see* Camerini, P. 1-47645
- Mafra, O.Y., Couto, M.E., Geraldo, L.P. Determination of uranium content of tubers by the fission-track registration technique 1-48638
- Maftei, M., Motiu, C., Radu, A., Hinciu, I., Radu, V., Luca, M., Horga, C. Physical simulation in the hydraulic channel of the pollutants dispersion into atmosphere in the proximity of thermal power plants 1-49252
- Magarinos, J. *see* Coleman, D.J. 1-51530
- Magaw, R., Naughton, M., Shaw, R. Research identifies areas for better radiation control 1-30930
- Magazani, Ya.M. *see* Ivannikov, V.M. 1-35037
- Magde, D., Gaffney, S.T., Campbell, B.F. Excited singlet absorption in blue laser dyes: measurement by picosecond flash photolysis 1-33198
- Magde, D. *see* Gaffney, S.T. 1-28675
- Magdich, L.N. Apparatus function of an acousto-optic filter in frequency retuning 1-28543
- Magdich, L.N. *see* Bogomolov, A.M. 1-51240
- Magdo, I.E. *see* Abbas, S.A. 1-50916
- Magdo, S. *see* Davidson, E.E. 1-31887
- Magee, T.J., Leung, C., Kawayoshi, H., Furman, B., Evans, C.A., Jr., Day, D.S. Redistribution of oxygen within damage regions of boron-implanted silicon 1-50748
- Magee, T.J., Leung, C., Kawayoshi, H., Furman, B.K., Evans, C.A., Jr. Gettering of mobile oxygen and defect stability within back-surface damage regions in Si 1-40382
- Magee, T.J., Ormond, R.D., Evans, C.A., Jr., Blattner, R.J., Malbon, R.M., Day, D.S., Sanakaran, R. Front surface control of Cr redistribution and formation of stable Cr depletion channels in GaAs 1-32629
- Magee, T.J. *see* Minagawa, S. 1-35947
- Magee, T.J. *see* Nissim, Y.I. 1-27921
- Magee, T.J. *see* Shibata, T. 1-50757
- Magerl, H. Electricity supply and political economics efficiency 1-43504
- Maget, H.J.R. High performance photovoltaic systems 1-31466
- Maggetto, G., Hendrickx, M. Teaching electrical machines taking into account the influence of power electronics and with an integrated laboratory as experimental support 1-49899
- Maggetto, G. *see* Wambaco, J. 1-53716
- Maggi, G. *see* Bordon, F. 1-45305
- Maggio, C. Hardware structure of the electronic centralized translation system 1-37841
- Maggiore, C. *see* Ahrenkiel, R.K. 1-32756
- Maggiore, D. *see* Barbaliscia, F. 1-28883, 1-28904
- Maggiore, D. *see* Capsoni, C. 1-33341
- Maggs, W.S. Memory-mapped sound generator 1-43467
- Maghsodloo, S., Laszlo Pallos, L. Asymptotic behavior of Kendall's partial rank correlation coefficient and additional quantile estimates 1-39550
- Maghsodloo, F. *see* Loparo, K.A. 1-48980
- Magiawala, K.R. *see* Strand, L.D. 1-34673
- Magid, L.M. U.S. Department of Energy collector cost reduction program 1-53663
- Maglaris, B.S., Schwartz, M. Integrated switching over tandem links 1-29566
- Magliorini, P. *see* Barbaliscia, F. 1-28883
- Magnani, L. *see* Delahaye, J.P. 1-48458
- Magnee, J.-P. *see* de Magnee, J.-P.
- Magnhagen, B., Kjelkerud, E., Thessen, O. Simulation for development of digital electronics 1-40064
- Magnhagen, B., Paabo, M. DIGISM—CAD for the future 1-50902
- Magnien, M. New techniques in electricity 1-53344
- Magnusson, B.-G. LSI impact on distributed processing in telecommunication systems 1-29562
- Magomador, R.M. *see* Barsukova, M.L. 1-33119
- Magomador, R.M. *see* Fridkin, V.M. 1-33118
- Magome, N. *see* Nakadate, S. 1-37232
- Magome, Y. An algorithm for detecting clusters on mixed types of feature variables 1-47249
- Magori, V. *see* Kleinschmidt, P. 1-30577
- Magrey, J.M. *see* Schwartzman, N.C. 1-35730

- Magrupov, M.A.**, Abdurakhmanov, U. Nature of the temperature dependence of the electrical conductivity in an amorphous semiconducting pyropolymer 1-50803
- Maguire, J.F.** *see* Agatsuma, K. 1-28416
- Maguire, J.F.** *see* Iwasa, Y. 1-28370
- Maguire, J.F.** *see* Tsukamoto, O. 1-51099
- Magureanu, G.** *see* Cristescu, D. 1-49129
- Magureanu, R.**, Panzar, C. Microprocessor control of step motors 1-31267
- Magyar, L.** Relation of temperature index to end-point criterium 1-30777
- Magyar, L.** *see* Blahnik, R. 1-46341
- Magyary, S.**, Glatz, J., Lancaster, H., Selph, F., Fahmie, M., Timossi, C., Glatz, J., Ritchie, A., Hinkson, J., Benjegeders, R. A high performance/low cost accelerator control system 1-38333
- Magyary, S.**, Lancaster, H., Selph, F., Fahmie, M., Timossi, C., Glatz, J., Ritchie, A., Hinkson, J., Benjegeders, R., Brodzik, D. Operating experience with a new accelerator control system based upon microprocessors 1-42922
- Mahadevan, S.** *see* Narasimham, P.S.L. 1-40423
- Mahaffey, R.A.** *see* Golden, J. 1-52652
- Mahaffy, M.A.** *see* Chowdhuri, P. 1-38766, 1-38767
- Mahajan, M.D.** *see* Patel, S.M. 1-28584, 1-50782
- Mahajan, S.**, Chin, A.K. The status of current understanding of InP and InGaAsP materials 1-40401
- Mahajan, S.**, Keramidas, V.G., Chin, A.K., Bonner, W.A., Ballman, A.A. Perfection of homoeopitaxial layers grown on (001) InP substrates 1-32055
- Mahajan, S.** *see* Keramidas, V.G. 1-50790
- Mahajan, S.** *see* Temkin, H. 1-45082
- Mahalanabis, A.K.**, Hanmandu, M. On the identification of a minimal order model for the power system load demand 1-30663
- Mahalanabis, A.K.**, Singh, R. On the analysis and improvement of the transient stability of multi-machine power systems 1-38660
- Mahalanabis, A.K.**, Singh, R. On the analysis and improvement of the transient stability of multi-machine power systems 1-43596
- Mahalingam, L.M.** *see* Andrews, J.A. 1-46271
- Mahalingam, T.**, Radhakrishnan, M., Balasubramanian, C. Dielectric behaviour of lanthanum oxide thin film capacitors 1-32510
- Mahalingam, T.**, Radhakrishnan, M., Balasubramanian, C. Electrical conduction of LaF<sub>3</sub> thin films 1-32511
- Mahalingam, T.**, Radhakrishnan, M., Balasubramanian, C. AC electrical conductivity of SmF<sub>3</sub> thin films 1-50641
- Mahan, J.E.** *see* Solanki, R. 1-32077
- Mahanta, A.**, Agarwal, R.C., Dutta Roy, S.C. FIR filter structures having low sensitivity and round-off noise 1-40134
- Mahendra, S.N.** *see* Sharples, K.O. 1-53490
- Maheo, M.** *see* Delorme, C. 1-39587
- Maher, D.P.** Long convolutions using transforms over reducible extensions of Fermat number rings 1-41739
- Maher, J.B.** A control system for accurately measuring a cutaneous thermal stimulus 1-43286
- Maher, S.L.** *see* Larimer, S.J. 1-50528
- Maheshwari, R.C.**, Khan, M.H. ZnO:Cu, Sn electroluminescent phosphor 1-37027
- Mahieu, M.** *see* Hallais, J. 1-50779
- Mahieu, M.** *see* Varon, J. 1-28598
- Mahle, C.E.** *see* Childs, W.H. 1-47580, 1-47651
- Mahlein, H.F.** A high performance edge filter for wavelength-division multi-demultiplexer units 1-33100
- Mahmood, E.A.** *see* Fitch, R.K. 1-34420
- Mahmood, S.** Analysis of a partially coherent FHSS signal using a CCD/CZT receiver implementation 1-29208
- Mahmoud, A.A.**, Ortmeier, T.H., Reardon, R.E. Load forecasting bibliography. Phase II. A report prepared by the Load Forecasting Working Group, Power Systems Engineering Committee 1-43617
- Mahmoud, A.A.** *see* Cowan, C.D. 1-53114
- Mahmoud, A.A.** *see* Plummer, S.W. 1-53083
- Mahmoud, A.A.** *see* Roohparvar, F. 1-53473
- Mahmoud, A.A.** *see* Shultz, R.D. 1-53065
- Mahmoud, I.S.** Electrostatic discharge shielding 1-28175
- Mahmoud, M.S.** *see* McEwan, N.J. 1-46928
- Mahmoud, S.** *see* Clarricoats, P.J.B. 1-47051
- Mahmoud, S.F.** Electromagnetic scattering by a layered Earth with arbitrarily varying subsurface impedance 1-28913
- Mahmoud, S.F.** *see* Metwalli, A.D.M. 1-33402
- Mahmoud, S.I.** *see* Abdel Salam, F.W. 1-30295
- Mahmoud Hussein, S.** *see* Marzouk Ibrahim, M. 1-45523
- Mahon, I.** Microprocessor-based temperature control 1-38542
- Mahon, R.** *see* Tomkins, F.S. 1-28782
- Mahon, S.** *see* Hoskins, M. 1-36486
- Mahoney, C.M.O.** *see* Prewett, P.D. 1-50308
- Mahoney, J.F.**, Perel, J., Forrester, A.T. Capillariton: a new, versatile ion source 1-30302
- Mahoney, J.F.**, Sivazlian, B.D. Computation of stock-outs in a multi-installation inventory system 1-45021
- Mahoney, L.J.** *see* Chu, A. 1-28082
- Mahoney, M.** *see* Giesbrecht, D. 1-27381
- Mahoney, P.J.** *see* Rich, J.F. 1-43929
- Mahoney, W.A.**, Ling, J.C., Jacobson, A.S. Radiation damage of the HEAO C-1 germanium detectors 1-48608
- Mahony, J.D.** The determination of the fields reflected from a twist reflector following illumination by a plane wave 1-41308
- Mahr, D.** Coal blending at power plants 1-43814
- Mahr, H.** *see* Frigo, N.J. 1-51551
- Mahrt, R.** Influence of the Y-ropes on the static flexibilities of catenaries 1-31579
- Mahy, P.** *see* Bouchoms, J.M. 1-39016
- Maiburov, S.** *see* Deutschmann, M. 1-34480
- Maiburov, S.** *see* Fabjan, C.W. 1-48585
- Maiburov, S.** *see* Ludlam, T. 1-34481
- Maidanyuk, V.K.** *see* Kirilenko, E.K. 1-52741
- Maiden, D.W.**, Menhennett, J.R. 25-megahertz universal logic probe 1-36197
- Maidl, Yu.V.** *see* Kalinkevich, I.F. 1-27350
- Maidment, R.T.** *see* Leonard, E. 1-43712
- Maier, A.**, Pellet, R. Betina—application in the planning of network extensions of a municipal electricity board 1-38695
- Maier, A.B.** Method of coordinate descent for one class of nonlinear integer programming problems 1-39607
- Maier, E.E.** *see* Salamatov, I.A. 1-39226
- Maier, H.** Discussion and decision in the case of power plant Oberjagerweg in West Berlin. Models, experience, conclusions 1976-1978 1-34970
- Maier, H.**, Hesse, J. Growth, properties and applications of narrow-gap semiconductors 1-32657
- Maier, H.** *see* Demianets, L.N. 1-31777
- Maier, H.J.** Preparation of nuclear accelerator targets by vacuum evaporation 1-38381
- Maier, H.J.** *see* Ranzinger, E. 1-43130
- Maier, M.**, Hanel, B., Balk, P. Sn incorporation and electron concentration in vapor-phase epitaxially grown GaAs 1-27923
- Maier, M.** *see* Veuhoff, E. 1-39785
- Maier, M.R.** *see* Gutbrod, H.H. 1-34433
- Maier, M.R.** *see* Wozniak, G.J. 1-34513
- Maier, V.Ya.** *see* Kalmaykov, Yu.V. 1-35523
- Maier-Komor, P.** *see* Ranzinger, E. 1-43130
- Maihack, A.J.** Computer installation calls for contractor versatility 1-49947
- Maikopar, A.S.** A study of fouling of smooth insulators in the desert 1-43750
- Maikopar, A.S.** Study of foulability of smooth insulators in desert conditions 1-43754
- Maikov, V.G.** *see* Puzanova, T.Z. 1-32961
- Mailley, R.M.** *see* Antonov, V.M. 1-52767
- Mailfert, A.**, Charbonnier, S., Hombouger, G. Study of a type of hybrid motor usable in step-by-step operation 1-49517
- Mailfert, A.** *see* Meuris, C. 1-28403
- Mailfert, A.** *see* Song Yop Hahn 1-53376
- Mailfert, R.**, Pargamin, L., Riviere, D. Electrical reliability of DC line insulators 1-34922
- Mailfert, R.** *see* Aubin, C. 1-53121
- Maillet, J.C.** *see* Aleksan, R. 1-48582
- Mailoux, R.J.** Array and subarray pattern control features of subarraying feeds 1-41438
- Mailoux, R.J.**, McIlvenna, J.F., Kernweis, N.P. Microstrip array technology 1-29023
- Main, A.P.**, Shriver, B.L. Analytic predictions of the annealing response of reactor vessel steels 1-53221
- Main, G.G., Jr.** *see* Kao Chen 1-44473
- Main, K.** Combined heat and electrical power (CHP) in the United Kingdom 1-30967
- Main, R.** *see* Lambertson, G. 1-48525
- Main, R.** *see* Lambertson, G.R. 1-42997
- Maine, S.** Technical notes on General Instruments' SP-0256 voice synthesizer 1-47829
- Maini, R.** *see* Iskander, M.F. 1-48694
- Maio, K.**, Hotta, M., Yokozawa, N. A method of high precision digital-to-analog conversion for a monolithic integrated circuit 1-40200
- Maio, K.**, Hotta, M., Yokozawa, N., Nagata, M., Kaneko, K., Iwasaki, K. An untrimmed DAC with 14b resolution 1-27589
- Maione, M.** *see* Bruccoli, M. 1-53404
- Maivorov, A.P.**, Makukha, V.K., Smirnov, V.A., Tarasov, V.M., Troshin, B.I., Chebotaev, V.P. LiF crystals with F<sub>2</sub><sup>-</sup> centers as nonlinear filters in Nd:glass laser system 1-37190
- Maivorov, V.A.** *see* Parshin, V.A. 1-53830
- Maivorshin, V.V.** *see* Kotkin, A.L. 1-48211
- Mais, H.** *see* Degele, D. 1-43142
- Mais, H.** *see* Rossbach, J. 1-42785
- Maischberger, K.** *see* Rudiger, A. 1-37200
- Maischein, B.**, Bundschuh, W. Lamps light intensity fluctuation measurement 1-48249
- Maisel, M.** *see* Behr, J.P. 1-29482
- Maisel, M.** *see* Behr, J.-P. 1-29506
- Maishev, V.A.** *see* Vasiliev, V.V. 1-48466
- Maisonneuve, M.**, Keller, J.-P., Stokking, M. SGDL: A microprocessor software development and management system based on PWB/UNIX 1-42107
- Maisonneuve, M.**, Levy, J.-P., Konrat, J.-L. EIS operating system for a distributed architecture 1-42114
- Maiss, G.** *see* Popescu-Zeletin, R. 1-41951, 1-51975
- Maitland, R.** *see* Shermer, C.L. 1-41785
- Maitra, A.**, Gupta, A.D., Rama Rao, P.V.S., Subrahmanyeswara Rao, B.V.P. Seasonal variation of VHF scintillation as observed from Calcutta and Waltair 1-41235
- Maitra, S.** *see* Friedlander, B. 1-41550
- Maitre, H.**, Ferrano, G. A video loop used as a picture memory 1-34115
- Maitre, X.** *see* Petit, J.-P. 1-29104
- Maiwald, D.** *see* Chevillat, P. 1-32274
- Maix, R.K.** *see* Nardai, F. 1-36841
- Majcher, M.** *see* Lenarczyk, J. 1-44038
- Majewski, A.** *see* Helsztynski, J. 1-46574
- Majewski, F.T.** *see* Cummins, A.W. 1-26937
- Majewski, M.L.**, Rose, R.W., Scott, J.R. Modeling and characterization of microstrip-to-coaxial transitions 1-45604
- Majewski, M.L.** *see* McDonald, N.A. 1-40218
- Majewski, S.** *see* Breskin, A. 1-34439
- Majewski, Z.** *see* Strzalkowski, I. 1-50835
- Majima, T.**, Hirano, A., Orihara, S. Megabit bubble memory process using a new type resin and TaMo alloy-Au conductor 1-46452
- Majos, J.** *see* Martin, M.J. 1-41531
- Majumdar, B.** Efficient multiple load flow solutions for simulation of network modifications 1-38711
- Majumdar, B.**, Saha, T.N. Diakoptic approach to symmetrical short circuit analysis 1-34822
- Majumdar, S.** Electronics in railway signalling 1-53736
- Majumder, D.** *see* Dutta Majumder, D.
- Majumdar, S.**, Kumar, K., Raghunathan, K.S. Interface unites Z8000 with other families of peripheral devices 1-45360
- Mak, A.** *see* Griffiths, R.E. 1-47975
- Mak, F.**, Charlton, R. Methods for the control of exterior noise from air conditioning and ventilation equipment—a guide to noise measurement, rating and prediction methods. II 1-48267
- Mak, P.S.** *see* Lee, C.H. 1-28588
- Mak, S.** *see* Harris, D.J. 1-48078
- Mak, T.K.** Large-sample results in the estimation of a linear transformation 1-35761
- Makara, J.** *see* Theilacker, J. 1-42825
- Makarenko, B.I.**, Ivanov, M.A. The functional method of investigating nonlinear radio-engineering systems 1-47535
- Makarevich, G.A.**, Lisenkova, G.S. Shock tube for calibration of pressure detectors 1-42600
- Makarios, A.**, Tozer, T.C. False-lock avoidance scheme for Costas loops 1-47097
- Makarov, A.A.**, Papin, A.A. Progress and problems of a systems approach to long-range energy development 1-26858
- Makarov, L.G.** *see* Baldin, A.M. 1-42889
- Makarov, N.P.** *see* Arkhipkin, V.G. 1-51521
- Makarov, O.A.** *see* Kel'zon, A.S. 1-49397
- Makarov, V.N.** *see* Gayduk, V.I. 1-32399
- Makarova, A.S.** *see* Burkov, V.N. 1-26859
- Makarova, I.N.** *see* Ivanenko, V.N. 1-49453
- Makarova, N.N.** *see* Maslov, V.V. 1-32912
- Makay, E.** Enlarged radial gap in feed pumps: a remedy with minimal side effects [power plant pumps] 1-43903
- Makdisi, Y.** *see* Jonckheere, A. 1-30300
- Makeev, A.I.**, Svidzinskii, A.V. Theory of current states in a very dirty SNS junction at temperatures near zero 1-40871
- Makeev, G.M.** *see* Andreev, A. 1-31488
- Makela, R.** *see* Pessa, M. 1-27114
- Maken, N.J.S.**, Gupta, B. Ionization instability in nonequilibrium MHD generators: effect of diffusion 1-53692
- Makeyev, E.L.** *see* Ageyev, A.I. 1-42866
- Makh, S.S.**, Smith, R., Walls, J.M. The influence of redeposition on the evolution of surface shape during ion etching 1-36572
- Makhijani, M.P.** *see* MacFarland, R.C. 1-50647
- Makhlin, A.G.** Using vision in electric motor assembly 1-49988
- Makhlin, A.G.** Westinghouse visual inspection and industrial robot control system 1-52270
- Makhmud Mustafa Ali Avad** *see* Avad Makhmud Mustafa Ali
- Makhnenko, L.A.** *see* Batygin, Yu.V. 1-52646
- Makhnenko, V.I.**, Shekera, V.M., Fortunatova, N.N., Shkatov, A.S., Ershov, V.Ya., Byukov, V.F. The efficiency of pulsed loading in the straightening of thin-walled welded structures by the electrohydraulic pulsed method 1-31719
- Makhotina, E.A.** *see* Bataev, V.M. 1-52242
- Makhoul, J.** On the eigenvectors of symmetric Toeplitz matrices 1-47186
- Makhoul, J.**, Berouti, M., Krasner, M. Time and frequency domain noise shaping in speech coding 1-41557
- Makhoul, J.** *see* Krasner, M. 1-41561

- Makhoul, J.I.**, Cosell, L.K. Adaptive lattice analysis of speech 1-37432
- Makhov, V.N.** *see* Zhukov, A.V. 1-50588
- Makhrov, E.T.** Optimization of the characteristics of a garnet laser pumped optically by expendable flashlamps 1-51429
- Maki, A.** *see* Hanson, J. 1-34445
- Maki, A.** *see* Sakai, Y. 1-34448
- Maki, D.W.** *see* Schellenberg, J.M. 1-45681
- Maki, M.** *see* Kuroda, E. 1-45075
- Maki, N.** *see* Iwahana, T. 1-44431
- Makimoto, M.**, Kikuchi, K., Yamashita, S. Compact TV channel filters in the UHF band 1-47800
- Makino, J.**, Miki, Y., Sano, Y., Okamura, M., Nii, Y. Study of digital-type current differential relay based on product calculation principle 1-34946
- Makino, K.** *see* Takahashi, M. 1-50274
- Makino, S.** *see* Miwa, J. 1-33581
- Makino, T.** *see* Sakai, T. 1-46287
- Makiuchi, M.**, Kawamura, M., Itoh, H. An increase in output power of a compact CW HCN laser by RE-excited discharge 1-51382
- Makiyo, M.** *see* Yokoyama, K. 1-32444
- Makky, A.M.** *see* Saleh, M.A. 1-49484, 1-49498
- Makosa, A.** Effect of generated defects during plastic deformation on electron properties of silicon 1-50751
- Makosch, G.** *see* Hinkel, H. 1-52597
- Makov, U.E.** *see* Smith, A.F.M. 1-51815
- Makovetskii, A.A.** *see* Grigor'yants, V.V. 1-28698
- Makovskii, Yu.E.**, Filyushkin, I.V., Yakovlev, A.S. Sealed Rossi counter 1-34478
- Makowiecki, D.**, Sims, W., Larsen, R., Leipuner, L., Morse, W., Rudolf, T., Fuhrmann, J., Blatt, S., Campbell, M., Kasha, H., Schmidt, M. Conduction cooling: multicrate FASTBUS hardware 1-34500
- Makowiecki, D.S.** *see* Leipuner, L.B. 1-43259
- Makowitz, H.**, Powell, J.R., Wiswall, R. HYPER-FUSE: a hypervelocity inertial confinement system for fusion energy production and fission waste transmutation 1-49238
- Makram, E.B.**, Kruepel, K.C., Koerber, G.G. Digital simulation of faulted E.H.V. transmission lines 1-53113
- Makselon, J.**, Soballa, R. Purity of the 500 MW power unit steam 1-30998
- Maksimchuk, E.P.** Pulse generators with low supply voltages 1-50460
- Maksimenko, V.P.** *see* Korotenko, M.N. 1-38877
- Maksimenko, Yu.N.** *see* Kaganovich, E.B. 1-32727
- Maksimov, L.A.** *see* Gabasov, V.M. 1-34705
- Maksimov, N.P.**, Stepanyants, S.L. Frequency transfer function for ore reduction furnace control system research 1-44522
- Maksimov, N.P.M.**, Stepanyants, S.L. The frequency transfer function for studying automatic control systems for ore furnaces 1-49797
- Maksimov, V.I.**, Kirichenko, G.B. Pulse response of liquid-crystal films 1-51235
- Maksimov, V.I.** *see* Fisenko, V.V. 1-38875
- Maksimovich, B.I.** *see* Budzan, B.P. 1-49834
- Maksudov, F.G.** *see* Kuliye, Yu.N. 1-32902
- Makuch, J.A.** Connector standards for fiber optics application 1-47677
- Makukha, V.K.** *see* Maiorov, A.P. 1-37190
- Malachivskii, P.S.** *see* Vorobel', R.A. 1-27069
- Malachowski, M.J.**, Stepieniewski, R. The minor-carrier injection in the completely depleted MSM structure 1-36540
- Malafayev, V.A.** *see* Glebov, V.V. 1-33316
- Malag, A.**, Kaminski, J. Interference methods of periodic structure production for optoelectronic purposes 1-28812
- Malaga, A.** An empirical path loss model for HF/VHF propagation in urban areas 1-41241
- Malaguti, C.** Live line working in Italy 1-38772
- Malah, D.**, Crochiere, R.E., Cox, R.V. Performance of transform and subband coding systems combined with harmonic scaling of speech 1-33491
- Malah, D.** *see* Cox, R.V. 1-41598
- Malakhov, A.I.** *see* Klepikov, V.B. 1-31550
- Malakhov, B.A.** Operation of MDPN switches under pulsed active line conditions 1-28035
- Malakhov, V.P.**, Karpenko, V.N. Realisation of second order functions using symmetrical operational amplifiers 1-27304
- Malakhov, V.V.** *see* Kop'ev, V.A. 1-43452
- Malamud, V.A.** *see* Egorov, V.V. 1-43881
- Malanowski, K.** Convergence of approximations to quadratic optimal control problems with amplitude constrained control 1-50228
- Malarkey, E.C.** *see* Mergerian, D. 1-42581, 1-46568
- Malaviya, B.K.** *see* Hayashi, S.A. 1-52651
- Malaviya, S.D.** Redundancy scheme for high-speed random-access memories 1-27403
- Malaviya, S.D.** Metallization and isolation for bipolar devices 1-46283
- Malbasa, N.** Site evaluation for nuclear power plants 1-30895
- Malbasa, N.** Site analyses for nuclear power plants. II 1-43840
- Malberti, P.** *see* Brambilla, P. 1-36693
- Malbon, R.M.** *see* Magee, T.J. 1-32629
- Malcher, J.**, Sycinska, A., Zuczkowski, R. Investigations of electrical phenomena in industrial dust filter fabric system 1-37282
- Malcolm, A.D.** *see* Man, L. 1-52804
- Malcolm, W.W.** *see* Ranganath, H.S. 1-41835
- Malcorps, H.** Frequency-response of heat fluxmeters 1-48254
- Malec, H.A.** Maintenance techniques in distributed communications switching systems 1-47485
- Malecki, K.** Computerized speech recognition 1-47145
- Maleev, A.M.** *see* Ershov, K.G. 1-42487
- Maleham, J.** Current trends in IC metallisation 1-27969
- Males, R.** R & D status report: Energy Analysis and Environment Division (of EPRI) 1-30590
- Males, R.** R & D status report: Energy analysis and environment division [utility solid waste] 1-53253
- Malesa, R.** Thermal characteristics of integrated circuits in home-made electronic equipment 1-36660
- Malev, V.V.** *see* Leizerovich, A.S. 1-35002
- Malevich, I.A.** *see* Kondratyuk, V.V. 1-47210
- Malewski, R.** High-voltage current transformers with optical signal transmission 1-35224
- Malewski, R.**, Nguyen, C.T., Feser, K., Hylten-Cavallius, N. Elimination of the skin effect error in heavy-current shunts 1-30827
- Malewski, R.**, Nguyen, C.T., Feser, K., Hylten-Cavallius, N. Elimination of the skin effect error in heavy-current shunts 1-38838
- Malewski, R.** *see* Kosztaluk, R. 1-43736
- Malewski, R.** *see* Nguyen, C.T. 1-30225
- Maley, M.P.**, Newkirk, L.R., Thompson, J.D., Valencia, F.A. Development of long continuous Nb<sub>3</sub>Ge tape conductors with high current density at elevated temperature and field 1-28279
- Malherbe, J.** *see* Chauprade, R. 1-31524
- Malherbe, M.C.** *see* de Malherbe, M.C.
- Malhortra, A.K.** *see* Mikkelsen, J.M. 1-32311
- Malhotra, K.S.**, Nahar, N.M. Solar power plants for rural arid areas of India 1-31101
- Malik, J.D.** *see* Edge, E.R. 1-52954
- Malik, A.K.** *see* Miller, T. 1-44075
- Malik, J.** *see* Koudelka, V. 1-35345
- Malik, N.A.** *see* Lim, J.S. 1-41644, 1-41765
- Malik, O.P.** *see* Hope, G.S. 1-30828
- Malik, R.** Ethernet or Cambridge ring? [networks] 1-33818
- Malik, S.K.** *see* Li-yu Chen 1-45157
- Malik, S.R.** Applications of neutron-induced fission-fragment detection techniques in studies of spatial distribution and uranium content measurements in solid materials using an optical microscope and a spark current 1-48640
- Malikova, Zh.G.**, Semerchan, A.A. Microstresses and nondestructive quality control of superhard materials 1-36017
- Malin, V.A.** *see* Zheleznyakov, A.T. 1-46846
- Malin, V.P.** *see* Bagirov, M.A. 1-32898
- Malin, V.V.** *see* Isayenko, Yu.M. 1-40212
- Malinckrodt, A.J.** *see* Bucy, R.S. 1-33476
- Maling, K.** *see* Das Gupta, S. 1-28060
- Malinovskii, A.E.** Computer-aided mathematical modelling of induction motors with concurrent asymmetry of the stator and rotor circuits 1-38983
- Malinovskii, A.E.** *see* Mamedov, F.A. 1-49454
- Malinowski, C.** *see* Gillissen, K. 1-41811
- Malinowski, C.** *see* Gillissen, K. 1-30203, 1-30207, 1-34337, 1-41030
- Malinowski, C.W.**, Rinderle, H. Frequency processing technique: a novel approach to radio tuner design 1-29885
- Malinowski, M.** Stoichiometric neodymium as new materials for light sources in integrated optics 1-51408
- Maliszewski, P.** Low voltage electric devices—production and needs 1-49995
- Malkamaki, L.J.** An acousto-optical radiospectrometer system for 22 GHz region line observations 1-47753
- Malkhozov, M.F.** Influence of the nonlinear collector junction capacitance and feedbacks in the transistor on the stability of a microwave power amplifier 1-32210
- Malkiel, G.S.**, Ratnikov, V.V., Titenkov, A.F. Tests of the operating life of miniature proportional counters 1-30358
- Malkin, P.**, Forrester, J.T. Applications and merits of vacuum switchgear 1-44306
- Malkmus, W.** *see* Ludwig, C.B. 1-42552
- Malkov, A.N.**, Prokhorov, A.M., Fedorov, V.B., Fomenkov, I.V. Generation of ultrashort pulses in Nd laser with fast switching plasma mirror 1-46714
- Mal'kov, V.M.** *see* Ktalkherman, M.G. 1-37056
- Mall, H.-G.** Metallised polypropylene capacitors as input and filter units in chopped transistor voltage regulators and frequency changers 1-49552
- Malladi, R.**, Serrero, G., Verdillon, A. Automatic placement of rectangular blocks with the interconnection channels [VLSI circuits] 1-46332
- Mallet, M.-C.** *see* Alard, J.P. 1-52717
- Mallick, A.K.**, Sanyal, G.S. Properties of space harmonics in a sinusoidally width-modulated rectangular waveguide 1-50610
- Mallik, B.** *see* Ghosh, A. 1-45959
- Mallinson, S.R.** *see* Millar, C.A. 1-40950
- Mallory, M.L.**, Laumer, H., Poe, D., Brindza, P. Operating experience with the cryogenic systems for a superconducting cyclotron 1-42827
- Mallozzi, P.J.**, Schwerzel, R.E., Epstein, H.M. Laser-EXAFS: laboratory EXAFS with a nanosecond pulse of laser-produced X-rays 1-34529
- Malmivuo, J.A.V.** *see* Lekkala, J.O. 1-48019
- Malocha, D.C.** *see* Goll, J.H. 1-37488
- Malomuzh, I.A.** *see* Saprykin, G.S. 1-38908
- Malone, E.K.** *see* Carpenter, L.C. 1-46279
- Malone, R.** *see* Thayer, D.R. 1-52120
- Maloney, C.E.**, Richardson, N. Emission microscopy and Auger spectroscopy of impregnated cathodes 1-32548
- Maloney, P.J.** *see* Smith, P.W. 1-41046
- Maloney, T.** *see* Holz, G. 1-45883
- Maloney, T.J.** Projected performance of III-V epitaxial multijunction solar cells in space 1-44373
- Maloney, T.J.** *see* Borden, P.G. 1-35385
- Malovichko, Yu.V.**, Stepanov, V.I. System for measuring the flight time of particles on a scintillation telescope 1-52707
- Malovitskii, Yu.I.** *see* Batirov, T.M. 1-46616
- Malovrh, J.** *see* Claytor, T.N. 1-30937
- Malpass, M.L.** *see* Tierney, J. 1-41584
- Mal'shakov, V.G.** *see* Volodin, A.A. 1-36976
- Mal'shakov, V.N.** *see* Bocharov, V.I. 1-51613
- Malt, A.P.J.** Security criteria overseas and the special problems in developing countries 1-48998
- Maluste, R.D.** *see* McCosh, A.M. 1-26841
- Malvar, H.S.** Single-chip delay equalizer avoids capacitors and inductors 1-27537
- Malvar, H.S.** Parametric equalizer improves Baxandall tone control 1-29921
- Malvar, H.S.** Transform analog filters into digital equivalents 1-40109
- Maly, W.**, Strojwas, A., Director, S.W. Fabrication based statistical design of monolithic ICs 1-46233
- Malyarov, V.G.** *see* Pankratov, N.A. 1-30133
- Malyavkina, V.M.** *see* Dulitskaya, G.M. 1-32090
- Malygin, A.A.**, Penin, A.M., Sergienko, A.V. Absolute calibration of the sensitivity of photoreceivers using a biphoton field 1-48091
- Malygin, A.V.** *see* Zheltov, K.A. 1-39056
- Malyi, E.N.** *see* Minaev, I.G. 1-48057
- Malykhin, A.P.** *see* Zhuk, I.V. 1-30370
- Malykhin, E.I.** *see* Kostikov, O.N. 1-31237
- Malyon, D.J.**, Smith, D.W., Berry, R.W. Spectrum stabilized laser transmitter 1-37159
- Malyon, D.J.**, Smith, D.W., Berry, R.W. Spectral stabilisation of laser transmitters by optical injection 1-42276
- Malyshchev, E.K.** *see* Ivanov, V.P. 1-43254
- Malyshchev, G.M.** *see* Kapralov, V.P. 1-52593
- Malyshchev, G.N.** Equipment for measuring the delivery of coal dust feed 1-52441
- Malyshchev, I.F.** *see* Ageyev, A.I. 1-42866
- Malyshchev, V.A.**, Levterov, A.N., Radchenko, A.F. An asynchronous microwave detector using a gallium arsenide device at room temperature 1-36346
- Malyshchev, V.I.** *see* Vasil'eva, M.A. 1-37218
- Malyshcheva, N.V.** *see* Druchevskii, V.A. 1-38198
- Malyuta, D.D.**, Mezhevov, V.S. Discharger with high pulse repetition frequency 1-51350
- Malyuta, D.D.** *see* Baranov, V.Yu. 1-51369
- Malyutin, A.A.** *see* Vodop'yanov, K.L. 1-28697
- Malyutina, A.A.** *see* Bruer, G.G. 1-49282
- Mamadlimov, A.T.** *see* Voronkov, V.B. 1-32621
- Mamakina, S.V.** *see* Gnatyuk, L.N. 1-50354
- Mamandur, K.R.C.** Selection of an objective function for the emergency VAR control problem 1-53042
- Mamandur, K.R.C.**, Chenoweth, R.D. Optimal control of reactive power flow for improvements in voltage profiles and for real power loss minimization 1-43551
- Mamandur, K.R.C.** *see* Fouad, A.A. 1-53021
- Mamantov, G.** Molten salt electrolytes in secondary batteries 1-44333
- Mamantov, G.** *see* Marassi, R. 1-44340
- Mamed-Veliev, V.K.** *see* Farkhadzade, E.M. 1-43493
- Mamedbeili, I.A.** *see* Isaev, F.K. 1-33085
- Mamedov, A.M.** *see* Lebedeva, N.N. 1-40742
- Mamedov, F.A.**, Malinovskii, A.E. Generation of transients in an induction motor satisfying a given quality criterion 1-49454
- Mamedov, G.M.** *see* Alier, N.A. 1-40464
- Mamedov, G.M.** *see* Bagir-zade, E.F. 1-37013, 1-40990
- Mamedov, G.M.** *see* Bagirzade, E.F. 1-46615
- Mamedov, N.M.** *see* Abdullayev, A.G. 1-32717
- Mamedov, N.Ya.** *see* Abdullayev, I.M. 1-27579
- Mamedov, V.M.** Anti-parallel correction of speed of electromechanical systems 1-49728
- Maneno, K.** *see* Suzuki, A. 1-50829
- Manikonuan, B.M.** Sensitivity of electromagnetic transducers of linear displacements 1-30084

- Mamon, M.**, Hiramatsu, R., Harada, K., Sakamoto, H. A resonant converter with PWM control 1-44239
- Mamouni, A.**, Van de Velde, J.C., Leroy, Y. New correlation radiometer for microwave thermography 1-48679
- Mamutin, V.V.** *see* Gorelenok, A.T. 1-28574
- Mamyshev, P.V.** *see* Dianov, E.M. 1-46533
- Man, D.T.** *see* Krause, P.C. 1-44009
- Man, D.T.** *see* Wasynczuk, O. 1-44011
- Man, H.De** *see* De Man, H.
- Man, J.De** *see* De Man, J.
- Man, L.**, Malcolm, A.D. Low-cost microprocessor-based instrument for haemodynamic data processing and display in intensive care units 1-52804
- Man, P.H.**, Ramshaw, R.S. Numerical techniques for the solution of multi-connected induction motor problems 1-49471
- Man Kam Kwong, Zettl, A.** Discreteness conditions for the spectrum of ordinary differential operators 1-50092
- Man Shek Lee, Chieh Chang** Switched-capacitor filters using the LDI and bilinear transformations 1-32336
- Man Shek Lee, Chieh Chang** Exact synthesis of N-path switched capacitor filters 1-45505
- Man Shek Lee, Temes, G.C.**, Chieh Chang, Ghaderi, M.B. Bilinear switched-capacitor ladder filters 1-36066
- Man Shek Lee, Temes, G.C.**, Chieh Chang, Ghaderi, M.B. Bilinear switched-capacitor ladder filters 1-45470
- Man-Loong Chan, Giora Ben-Yaacov, Saylor, C.H.M.**, Patton, J. Automating distribution load management 1-43598
- Man-Loong Chan, Marsh, E.N.**, Yoon, J.Y., Ackerman, G.B., Stoughton, N. Simulation-based load synthesis methodology for evaluating load-management programs 1-34778
- Man-Loong Chan, Marsh, E.N.**, Yoon, J.Y., Ackerman, G.B., Stroughton, N. Simulation-based load synthesis methodology for evaluating load-management programs 1-38663
- Manabe, T.** *see* Arai, K. 1-46686
- Manabe, T.** *see* Jinguiji, K. 1-40905
- Manabe, T.** *see* Mitachi, S. 1-39824
- Manabe, Y.** *see* Okada, T. 1-46772
- Manaeva, Z.I.** *see* Lange, Y.V. 1-38610
- Manafiov, A.A.** *see* Arutyunov, V.E. 1-48082
- Managan, W.W.** Needs for high temperature electronics in fossil energy plants 1-38907
- Manaker, A.** *see* Murthy, M.L.R. 1-31148
- Manakov, V.F.** *see* Sosunov, G.L. 1-37845
- Manaranche, J.C.** *see* Laviron, A. 1-31899
- Manasevit, H.** *see* Ng, W. 1-37168, 1-51441
- Manasse, F.K.** Solar power, its promises and problems 1-35358
- Manassen, J.**, Hodes, G., Cahen, D. Photoelectrochemical cells 1-44316
- Manassen, J.** *see* Hodes, G. 1-44374
- Manassen, J.** *see* Vainas, B. 1-36541
- Mancal, Z.** Automatic digital data acquisition of stochastic transients in the high voltage lines 1-30837
- Mance, R.J.** *see* Evans, R.T. 1-27651
- Manchester, P.** Protocols 1-37728
- Manchinskii, A.M.** *see* Vorob'ev, L.E. 1-36466
- Mancini, P.** *see* Macerata, A. 1-30463
- Mancini, P.** *see* Marchesi, C. 1-48739
- Mancke, R.G.** A moisture protection screening test for hybrid circuit encapsulants 1-44720
- Manda, M.L.** *see* Smith, M.D. 1-31481
- Mandel, H.** *see* Bagstad, B. 1-40332
- Mandel, L.** *see* Kaminishi, K. 1-46710
- Mandel, P.** On the transition from absorptive to dispersive behavior of a laser due to nonlinear losses 1-41120
- Mandel, P.**, Fang, F.-K. Lasers with two-photon saturable absorbers 1-33213
- Mandell, M.J.** *see* Katz, I. 1-48775
- Mandelzweig, D.** Semiconductor curve tracer 1-42669
- Manders, A.M.** An intelligent data logger for maritime satellite communication 1-29705
- Mandici, L.G.** *see* Diaconescu, E.N. 1-49375
- Mandl, H.** *see* Wach, P. 1-34569
- Mandour, I.A.**, El-Khamy, S.E., Abouldahb, M.A. Maximally flat second order feedback loops for fast adaptive antenna arrays 1-51735
- Mandrychenko, A.A.**, Prokofiev, V.E. A computation structure for simulation of magnetic fields of nonlinear media and its analysis by Taylor's transformations 1-41186
- Manduteanu, G.V.**, Lakatos, E.St. Ionisation coefficient for calculating the punchthrough voltage in diffused planar silicon junctions: diodes with controlled avalanche 1-27980
- Manduteanu, V.G.** Breakdown voltage in plane, silicon junction n+p 1-45974
- Manea, D.** *see* Pop, M. 1-30980
- Manea, D.** *see* Chiriac, T. 1-49072
- Manenkov, A.A.** Laser-induced damage and light scattering in solids 1-41133
- Manenkov, A.A.** *see* Danieleiko, Yu.K. 1-40879
- Manenkov, A.A.** *see* Danileiko, Yu.K. 1-41134, 1-41135
- Manes, G.** *see* Tortoli, P. 1-37539
- Manes, G.F.** Surface-acoustic-wave random-access memories 1-36746
- Manes, G.F.**, Gerli, D., Mattera, P., Atzeni, C. A SAW-based programmable transversal filter with application to ultrasound imaging 1-36800
- Maneshin, N.K.** *see* Blinova, G.V. 1-33186
- Manfredelli, J.L.** *see* Farmwald, P.M. 1-41709
- Manfredi, M.**, Parocchi, C., Salvati, G.C., Schianchi, G. Conductive processes in transparent WO<sub>3</sub> films irradiated with ultraviolet light 1-41001
- Manfredotti, C.** *see* Capozzi, V. 1-45966
- Manfredotti, C.** *see* De Blasi, C. 1-33141
- Mang, P.** Unfitted circuit boards economically tested 1-49989
- Mangels, R.W.**, Sorben, E.C. Detection of minor disk asperities using successively an all ones pattern and an all zeros pattern 1-39384
- Mangelsdorf, D.** Function and importance of sensors for production process monitoring 1-30107
- Mangieri, A.** Wire-wrapping and proto-system techniques 1-36388
- Mangin, J.P.** *see* Brun, L. 1-45038
- Mangir, T.E.**, Avizienis, A. Effect of interconnect requirements on VLSI circuit yield improvement by means of redundancy 1-32867
- Mango, S.** *see* Besset, D. 1-42776
- Mangold, H.** SPRAUS gives every computer a voice 1-33571
- Mangold, H.**, Stall, D.S., Zellinski, R. Voice-recognition and speech synthesis using a computer 1-33575
- Mangrulkar, M.M.** *see* Ganghi, S.N. 1-51051
- Mangrum, W.H., Jr.** *see* Bahder, G. 1-34882, 1-38758
- Manheimer, W.M.** *see* Sprangle, P. 1-28605, 1-41035
- Mani, T.A.** *see* Kumar, U.V.G. 1-46871
- Maniar, M.**, Rallapalli, K. Fire codes on custom chip clean up hard disk data 1-33481
- Manichev, O.D.** *see* Manicheva, V.I. 1-35045
- Manicheva, V.I.**, Manichev, O.D. Fuel supply automatic control system for P-49 boiler on a 500 MW power unit 1-35045
- Manicke, U.** Survey of the international state of special LSI circuits for the PCM technique 1-29523
- Manifiacer, J.C.**, Fillard, J.P., Bind, J.M. Deposition of In<sub>2</sub>O<sub>3</sub>-SnO<sub>2</sub> layers on glass substrates using a spraying method 1-27137
- Manifiacer, J.-C.** *see* Moreau, Y. 1-46623
- Manigrasso, R.**, Vistoli, I. Design of fractional two-phase asynchronous motors with high number of poles 1-49522
- Manigrasso, R.** *see* Farini, A. 1-53425
- Manildi, A.B.** A low-cost, high-speed direct access device 1-40804
- Manitiu, V.** *see* Moldoveanu, C. 1-35213
- Manit, S.**, Miner, C., Westwood, W.D. High rate deposition of transparent conducting films by modified reactive planar magnetron sputtering of Cd<sub>2</sub>Sn alloy 1-45116
- Manjunath, M.S.** *see* Narasimhan, R. 1-43579
- Man'kin, I.A.**, Usherovich, B.L. Dynamics of two-dimensional phase focusing in an O-type TWT 1-40354
- Mann, D.M.**, Bungard, J.R. Field experience of a distributed microprocessor system and its subsequent evolution 1-42035
- Mann, D.R.** *see* Schoggen, W.O. 1-42225
- Mann, E.G.** *see* Kirko, I.M. 1-49713
- Mann, E.W.** The potential of an industrial heat pump 1-44485
- Mann, H.** Relationship among different descriptions of electrical systems 1-45164
- Mann, H.** *see* Stiller, S. 1-43381
- Mann, J.** *see* Bossart, R. 1-48473
- Mann, J.A.** *see* Woodcock, W.G. 1-31467
- Mann, J.C.**, Wright, W.M. Gating amplifier for generating tone bursts of precise separation 1-27288
- Mann, J.E.** *see* Ziegler, N.F. 1-42821
- Mann, W.R.** Testing strategies for microelectronics 1-39382
- Manheimer, R.** *see* Fletcher, A.T. 1-32972
- Manning, C.L.** *see* Gillingham, R.D. 1-36106
- Manning, D.B.** Cutting noise from high voltage motors 1-49399
- Manning, D.J.** *see* Dille, M.J. 1-42382
- Manning, J.** *see* Thayer, D.R. 1-52120
- Manning, J.S.** Thermal impedance of diode lasers. Comparison of experimental methods and a theoretical model 1-51461
- Manning, J.S.**, Olshansky, R. Carrier-induced index change in AlGaAs double-heterostructure lasers 1-46731
- Mano, K.**, Altshuler, E.E. Tropospheric refractive angle and range error corrections utilizing exoatmospheric sources 1-33348
- Mano, S.** *see* Sato, S. 1-47031
- Manohara Murthy, N.** *see* Anil Kumar, K. 1-36133
- Manoharan, L.C.** *see* Prakash Rao, M.S. 1-33486
- Manolea, G.** *see* Popescu, G. 1-31504
- Manolescu, A.**, Manolescu, A.M., Homentcovschi, D. Analysis and synthesis of distributed resistive structures 1-32146
- Manolescu, A.M.** *see* Manolescu, A. 1-32146
- Manoli, Y.** *see* Schweer, R. 1-42526
- Manser, M.J.** *see* Herapath, R.G. 1-53303
- Mansfield, F.** Recording and analysis of AC impedance data for corrosion studies. I. Background and methods of analysis 1-52599
- Mansfield, C.** *see* Dwyer, S.J., III 1-43320
- Mansfield, D.K.**, Tesaro, G.J., Johnson, L.C., Semet, A. Effects of passive isolation on several optically pumped far-infrared laser lines 1-37070
- Mansfield, G.D.** *see* Gulyaev, Yu.V. 1-36739
- Mansfield, J.** *see* Drexhage, M.G. 1-40932
- Mansfield, L.** Finite element methods for nonlinear shell analysis 1-35904
- Mansingh, A.**, Krupanidhi, S.B. Electrical and structural properties of flash-evaporated ferroelectric lead germanate films on silicon 1-46352
- Mansion, D.** What are bipolar transistors? 1-27998
- Mansion, D.** The state of sensors. III. Level detectors and sensors 1-38317
- Mansion, D.** The state on the art on transducers. V. Strength measurements 1-38319
- Mansion, D.** The state on the art on transducers. IV. Flow detectors and flow meters 1-42607
- Mansion, D.** The state of the art on the transducers. I. Geometric transducers 1-42608
- Mansion, D.** The state of the art of transducers II. Thickness, position and linear or angular movements measurement 1-48234
- Mansion, D.** The state of the art on transducers. VII. Weighing and associated methods 1-52455
- Manson, E.J.**, Tag, I.A. Combined photovoltaic/thermal system experiment 1-53648
- Mansour, D.**, Gray, A.H., Jr. Frequency domain non-linear adaptive filter 1-41745
- Mansour, D.** *see* Parikh, D. 1-41906
- Mansour, M.A.S.**, Alhaider, M.A., Fatoh, I. A wide range static inverter suitable for induction motor drives, digital model and test results 1-35419
- Mansuria, M.S.**, Meagher, R.E., Ostergren, C.D. Conduction cooling structure for a semiconductor package 1-50014
- Mantea, C.**, Corciovei, A., Barsan, V. Contributions to the theory of Weber-type gravitational antenna 1-33392
- Mantle, J.A.** *see* Strand, E.M. 1-52785
- Mantrova, G.M.** *see* Kul'vaskaya, B.S. 1-43196
- Mantsch, P.** *see* Ciazynski, D. 1-43111
- Mantsch, P.M.** *see* Kuchnir, M. 1-48393
- Mantynen, R.** New control system for Imatran Voima 1-52987
- Mantz, A.W.** *see* Wall, D.L. 1-52952
- Mantz, T.F.** *see* Bindels, J.F.M. 1-32306
- Manuccia, T.**, Searles, S.K. Molecular lasers 1-41060
- Manukyan, G.A.** *see* Astabatyanyan, R.A. 1-52683
- Manukyan, Yu.S.** *see* Danelyan, A.G. 1-52557
- Manvetyan, Yu.S.** *see* Vikulin, I.M. 1-50920
- Manvi, R.**, Efthymos, N., Smith, W. Impinging jets direct contact heat exchanger [application in geothermal power generation and OTEC systems] 1-31071
- Manwaring, M.L.** A technique for designing large asynchronous sequential machines 1-36232
- Manwell, J.F.**, McGowan, J.G. A design procedure for wind powered heating systems 1-49386
- Manyoky, Z.** Noise problems of sound program circuits 1-47762
- Manyoky, Zs.** Technical requirements on sound program circuits 1-42468
- Manzhara, V.S.** *see* Kurik, M.V. 1-37016
- Manzo, G.** *see* Taylor, B.G. 1-34470, 1-34471
- Manzoni, P.**, Oldano, G., Pinciroli, F. Developing a microprocessor-based system for ECG/VCG analysis 1-52778
- Mao, H.K.**, Bell, P.M. Electrical resistivity measurements of conductors in the diamond-window, high-pressure cell 1-38157
- Mao Weimin** *see* Wu Cunkai 1-37210
- Mao Wenying** *see* Wang Yumin 1-41119
- Mao Yu-hai** *see* Yu-hai Mao
- Mao Yu-kuan, Chen Kai-zhou** The solution to the problem of the circular aperture distribution with one parameter in antenna design 1-51667
- Mao-bai chen, Lind, D.A.** The numerical calculation of the three dimensional electrical field in the central region of a cyclotron 1-42819
- Mao-quan Lu** *see* Lu Mao-quan
- Mao-San Liu** *see* Liu Mao-San
- Maouxun Yan** *see* Yan Maouxun
- Mapke, F.** *see* Draheim, P. 1-40056
- Mapp, F.J.** *see* Creggan, F.J., Jr. 1-43589
- Mapps, D.J.**, White, P.J. Performance characteristics of snap-action switches with silver-cadmium-oxide contacts 1-32472
- Mapps, D.J.**, White, P.J. Investigation of available toggle switches for thermostatic control systems 1-53577
- Mapuchon, M.** *see* Arditty, H.J. 1-36957
- Maquisi, M.**, Melheim, C. A digital infrared remote control system for CATV applications 1-34097
- Maraio, R.A.** *see* Fernandes, R.A. 1-29777

- Marais, J.J. Defect assessment by means of non-destructive testing 1-45156
- Marakekhaiov, Z.G. General-purpose logic module 1-45365
- Marakhonov, V.I. *see* Petrov, M.P. 1-28528
- Marakhonov, V.M. *see* Zakgeim, A.L. 1-51292
- Maran, S.P. *see* Hobbs, R.W. 1-48824
- Marancik, W. *see* Adam, E. 1-43115
- Marancik, W. *see* Hong, S.O. 1-28389
- Maranesi, P. Gamma spectroscopy system for high count rates 1-52737
- Marascia, R. *see* Brown, H. 1-48364
- Marason, E.G. Laser dye DCM. CW, synchronously pumped, cavity pumped and single-frequency performance 1-33202
- Marassi, R., Calasanzio, D., Mamantov, G. Selenium(IV) cathode in molten chloroaluminates 1-44340
- Marathe, B.R. *see* Nahar, R.K. 1-32509
- Maratos, N. *see* Ilumoka, A. 1-45192
- Marazzi, E. *see* Lipparini, A. 1-45636
- Marbeuf, A. *see* Mariette, H. 1-35951
- Marble, A.E. *see* George, A.K. 1-43348
- Marbuhk, V.V. On a single line queuing system with allowance for the reswitching time 1-50106
- Marca, J.R.B.De *see* De Marca, J.R.B.
- Marcattili, E.A.J. Strictly adiabatic couplers 1-36338
- Marcattili, E.A.J. *see* Liu, P.L. 1-28512
- Marcelis, R. *see* Debontridder, J. 1-53386, 1-53456
- Marcelja, F. *see* Bujatti, M. 1-36625
- March, I. Improved microcomputer display with modified TV 1-29917
- March, I. AF amplifier with wide dynamic range 1-32203
- March, I. Voltage reference circuit 1-36074
- March, I. Driving low impedance loads with op amps 1-36097
- March, S. *see* Besser, L. 1-45657
- Marchbanks, R.J. Technique for measuring ultra low volume flows 1-48266
- Marchenko, B.G. *see* Goncharuk, E.S. 1-44029
- Marchenko, S.N. *see* Gnatyuk, L.N. 1-50354
- Marchenko, S.N. *see* Kurashov, V.N. 1-41810
- Marchenko, S.N. *see* Shishkov, A.G. 1-28238
- Marchenko, V.F., Strel'tsov, A.M. Shock waves and solutions in a transmission line with MDS varicaps 1-37334
- Marchenko, V.M. *see* Biryukov, A.S. 1-28659
- Marchenko, Ya.E. *see* Aspishchev, G.M. 1-31324
- Marchenko, V.V. *see* Ivanov, V.V. 1-50437
- Marchese, V. *see* Maffezzoni, C. 1-30588
- Marchesi, C., Macerata, A., Taddei, A., Mancini, P. New dynamic display for the detection of arrhythmias and of morphologic changes in long term ECG monitoring 1-48739
- Marchesi, C., Varanini, M., Guidi, M. Reliable identification of acute episodes during ECG and hemodynamic monitoring in ICU 1-48677
- Marchesi, C. *see* Macerata, A. 1-30463
- Marchetti, P.G. *see* Andreucci, F. 1-29624, 1-41483
- Marchetti, R., Penco, E., Armandillo, E., Salvetti, G.E. Ultraviolet preionized CO<sub>2</sub> TEA laser with very high output power density using a nonconventional electrode profile 1-46699
- Marchetti, R. *see* Armandillo, E. 1-41054
- Marchetto, M. *see* Brusaglini, G. 1-39158
- Marchi, A.De *see* De Marchi, A.
- Marchinton, A. *see* Evans, B.G. 1-41446
- Marchuk, G.I., Agoshkov, V.I. Kinetic equations and variational principles 1-35718
- Marciano, F. Multiple long-term ECG computer analysis 1-48735
- Marciniak, B., Poblacki, J., Wacławek, W. Epitaxial growth of some organic acceptors from the vapour phase on the face of single crystals of anthracene 1-35959
- Marciniak, T.J. *see* Bratis, J.C. 1-30975
- Marcinkowski, S. The effect of corrosion on turbine stage failures 1-35032
- Marco, R.Di *see* Di Marco, R.
- Marco, R.R.Di *see* Di Marco, R.R.
- Marcogliese, R., Novarese, R. Module and data allocation methods in distributed systems 1-37757
- Marcotte, V.C., Koopman, N.G. Palladium depletion of 80Ag20Pd thick film electrodes 1-45820
- Marcoux, P.J., Pang Dow Foo Methods of end point detection for plasma etching 1-46076
- Marcus, M., Moore, K. A determinant formulation of the Cauchy-Schwarz inequality 1-39483
- Marcus, M.A. Controlling the piezoelectric activity distribution in poly(vinylidene fluoride) transducers 1-51067
- Marcus, M.A. *see* Lee, J.K. 1-51059
- Marcus, M.J. Some system implications of a Josephson computer technology 1-28359
- Marcus, P.W. Quicksilver micro system [temperature measurement] 1-42763
- Marcus, R. *see* Hochberg, Y. 1-39546
- Marcus, R.B. *see* Sheng, T.T. 1-36504
- Marcus, R.S. Search aids in a retrieval network 1-41982
- Marcuse, D., Kaminow, I.P. Computer model of a superluminescent LED with lateral confinement 1-41031
- Marcuse, D. *see* Lin, C. 1-36906
- Marcuse, D. *see* Presby, H.M. 1-28493
- Marcuse, W., Groncki, P.J. An overview of macroeconomic effects of accelerated implementation of renewable energy technologies in the US 1-26849
- Marcy, H.O. CRT magnetic components—a review of progress 1-45870
- Marcy, W.M. Preparing functional specifications for computer based industrial control systems 1-44003
- Marcz, F. *see* Bencze, P. 1-48856
- Marczewski, J. Low-temperature annealing of surface states at the surface states at the Si-SiO<sub>2</sub> interface 1-36534
- Marechal, P. *see* Dodu, J.C. 1-30656, 1-34969
- Mareda, J.F. *see* Rochau, G.E. 1-38385
- Marek-Sadowska, M., Kuh, E.S. A new approach to routing of two-layer printed circuit board 1-45769
- Marelli, L. Future SAR activities at Earthnet [radar imaging] 1-29806
- Mares, M. Combinations and transformations of some general coalition-games 1-31940
- Marfaing, Y. *see* Mimila-Arroyo, J. 1-36471
- Margalit, S. *see* Chen, P.C. 1-28706
- Margalit, S. *see* Katz, J. 1-37156
- Margaritondo, G. *see* Brillson, L.J. 1-27864
- Marghescu, I. *see* Dragulescu, M. 1-47291
- Margineanu, A. *see* Ijac, Gh. 1-49451
- Margineda, J. *see* Martin, E. 1-48228
- Margolin, N.M. *see* Gubankov, V.N. 1-28331
- Margolis, G., Small, R.H. Personal calculator programs for approximate vented-box and closed-box loudspeaker system design 1-47858
- Margolis, H.B. *see* Adielson, T. 1-44166
- Marguerre, H. Schmitt-trigger with automatic matching of threshold voltages 1-36163
- Margulis, W., Sibbett, W. Picosecond GaP switches 1-37035
- Margulis, W. *see* Reksten, G. 1-51325
- Marhic, M.E., Garmire, E. Low-order TE<sub>0q</sub> operation of a CO<sub>2</sub> laser for transmission through circular metallic waveguides 1-37055
- Marhoff, P. *see* Riemann, H.E. 1-43299
- Mariani, L. *see* Cobelli, C. 1-34554
- Mariette, H., Thierry-Mieg, V., Etcheberry, A., Guillaume, J.C., Marbeuf, A., Rommeluere, M. Composition profiles and growth kinetics of Ga<sub>0.1</sub>In<sub>0.9</sub>P LPE layers: experiments and theoretical approach 1-35951
- Marietti, P. *see* Fiacconi, C. 1-40601, 1-40602, 1-40603, 1-40604, 1-40605
- Marigodov, V.K. The efficiency of data transmission systems with optimum linear predistortion and connection of signals 1-29473
- Marigodov, V.K. Potential possibilities of adaptive predistortion and correction of signals 1-37783
- Marigodov, V.K., Varfolomeev, A.M. Realisation of adaptive pre-emphasizing and correcting filters 1-36247
- Marimuthu, P., Krishnamurthy, M.R. A pole-changing schrage motor 1-53446
- Marin, C. *see* Paris, M. 1-49124
- Marin, D. Determination of efficacy of telegraph voice frequency systems in use 1-41911
- Marin, G. *see* Berbec, C. 1-31000
- Marin, L. Transient and broadband analysis of aircraft fixed-wire antennas 1-52912
- Marin, P. What is known about beam-beam effect on low energy machines? 1-48515
- Marin, P. *see* Chehab, R. 1-48508
- Marin, P.C. *see* Denard, J.C. 1-42998
- Marin, P.C. *see* Le Duff, J. 1-48485, 1-48509
- Marina, J.G. Ultrasonic diagnostic techniques 1-30416
- Marinaccio, F.A. *see* Bayer, E.H. 1-40641
- Marincic, A.S. Beamshaping of sectoral and pyramidal horns with stepped amplitude distribution 1-41326
- Marincic, N. *see* Goebel, F. 1-30527
- Marincic, P. *see* Mehmedovic, M. 1-53393
- Marinelli, M., Gallinaro, G., Morpurgo, G. A description of the ferromagnetic levitation electrometer used in the search of quarks in matter 1-48586
- Marinenko, M.A. *see* Zhuravin, L.G. 1-41733
- Marinero, E.E. *see* Jethwa, J. 1-46769
- Marinets, V.P., Lukenyuk, A.A. Distribution of structure dimensions on photographs of an ocean bed 1-38596
- Marini, G. *see* D'Agostini, G. 1-48577
- Marini, L.D. *see* Brezzi, F. 1-35922
- Marinkovic, J.P. *see* Ramovic, R.M. 1-36621
- Marino, A. *see* Dattoli, G. 1-41038, 1-46660, 1-51304
- Marino, R., Nicosia, S. Lyapunov functions for stability analysis of synchronous generator 1-31214
- Marinoni, G.L. *see* D'Elia, G. 1-41345
- Marinova, E.L. *see* Stefanov, P.S. 1-45112
- Marinucl, C., Vecsey, G. Effect of cable-in-conduit geometry on stability and quench characteristics 1-28415
- Marinucl, C., Weymuth, P., Vecsey, G. Cooling aspects of the Swiss LCT coil 1-51120
- Mariscotti, M.A.J. *see* Perez Ferreira, E. 1-42853
- Mark, J.W. Adaptive decision-feedback predictive coding of digital sources 1-41507
- Mark, J.W. Transition encoding method for coincidence feature facsimile coding 1-47356
- Mark, J.W. *see* Agnew, G.B. 1-29251
- Mark, J.W. *see* Todd, T.D. 1-29456
- Mark, R. *see* Schluter, P. 1-48729
- Mark, R.G., Moody, G., Schluter, P., Olson, W., Peterson, S. Real time cardiac arrhythmia monitoring using microprocessors 1-52781
- Mark, R.G. *see* Burns, S.K. 1-52750
- Markarov, L.G. *see* Baldin, A.M. 1-48569
- Markaryan, K.Zh. *see* Astabatyán, R.A. 1-30321, 1-52683
- Markechova, M. *see* Vesely, V. 1-38964
- Markel, J.D. *see* Parikh, D. 1-41906
- Markham, J. *see* Mullani, N.A. 1-34579
- Markham, M.F. Investigations of errors in ultrasonic thickness meters for use on glass reinforced plastics 1-39828
- Markin, T.L., Dell, R.M. Recent developments in nickel oxide-hydrogen batteries 1-53605
- Markl, H. *see* Keller, W. 1-43822
- Marko, H. *see* Kitahashi, T. 1-29201
- Marko, S. Reliability of electrical system of nuclear power stations 1-38851
- Marko, S., Bach, T. Reliability analysis of an electrical power system 1-48943
- Markov, S. On an interval arithmetic and its applications 1-39606
- Markov, V., Soskin, M., Khishnjak, A., Shishkov, V. The properties of volume holograms used for correction of laser beams 1-41165
- Markov, V.A. *see* Belousova, I.M. 1-41057
- Markova, V.P. *see* Bandman, O.L. 1-50192
- Markovic, B. Problem of reactive power in north-west part of Croatia 1-30698
- Markovich, A.Ya. *see* Zelinskiy, A.M. 1-37829
- Markovich, P. *see* Aron, J. 1-48302
- Markovits, G. *see* Elliott, B.J. 1-50347
- Markovskii, V.A. *see* Apakhov, M.I. 1-36014
- Markowski, J. *see* Antoszkiewicz, K. 1-45643
- Markowski, G., Moss, F.H. An evaluation of local path ID swapping in computer networks 1-29237
- Marks, J. *see* Halas, A. 1-32848
- Marks, N., Poole, M.W. Magnet systems for the Daresbury Synchrotron Radiation Source 1-52641
- Marks, R., Noth, R., Phelps, D., Samuelsen, S., Ward, W.C. Stacked thermally enhanced high package density module 1-44703
- Marks, R.J. *see* Smith, D.K. 1-51852
- Marks, R.J., II Gerchberg's extrapolation algorithm in two dimensions 1-37478
- Marks, R.J., II, Hall, M.W. Differential interpolation from a bandlimited signal's samples 1-47187
- Marks, R.J., II, Smith, D.K. Iterative coherent processor for bandlimited signal extrapolation 1-29221
- Marksberry, C.L. *see* Saari, D.P. 1-31147
- Markstein, H.W. Computer packaging: more capability in less volume 1-31882
- Markstein, H.W. Incoming inspection of analog/digital devices 1-44727
- Markstein, H.W. Considerations in producing high-density PC boards 1-45785
- Markstein, H.W. Ribbon cable/connector update 1-50659
- Markum, A.D. *see* Carlson, D.J. 1-47980
- Markum, A.D. *see* Wong, J.Y. 1-47981
- Markus, A.M., Udovenko, V.F., Zinov'ev, M.V., Rykov, V.A., Momot, V.I. A 200-keV heavy ion accelerator for work in solid state physics 1-52619
- Markus, R. *see* Degitz, H. 1-38361
- Markworth, E. Present trends in the operation of arc melting furnaces 1-31704
- Markyavichyus, S.P., Elkonin, V.I. Cost-effectiveness basis of the interval between checks on single-phase electricity meters 1-30169
- Marlevi, A. *see* Bohlin, T. 1-29309
- Marlowe, D.E. Engineering education: issues and answers 1-26799
- Marmarelis, V.Z. A single-record estimator for correlation functions of nonstationary random processes 1-39552
- Marmelev, G.N. *see* Lifanov, V.A. 1-44114
- Marn, J. *see* Vencelj, A. 1-48126
- Maron, V.M. *see* Roizman, P.S. 1-39052
- Maronchuk, E.E. *see* Vasilenko, N.D. 1-27108, 1-35950
- Maronchuk, I.E. *see* Vasilenko, N.D. 1-27108, 1-35950
- Maronchuk, I.E. *see* Zhovnir, C.I. 1-27107
- Marosszeki, M. Professional education: a re-evaluation of objectives 1-26820
- Marowsky, G., Munz, M., Tittel, F.K. Excimer laser gain by pulse shape analysis 1-41048
- Maripard, J.C., Jalade, J., Valentin, M. Large signal design of a buck converter for high power DC/AC conversion 1-53563
- Marpinard, J.C. *see* Jalade, J. 1-49565

- Marple, W.P.** High voltage operational amplifier 1-36107
- Marple, W.P.** Tandem deflection amplifier circuit 1-36108
- Marple, W.P.** CRT phosphor protection circuit 1-36295
- Marple, W.P.** Gamma correction circuit 1-47940
- Marquardt, C.L.,** Schneider, I., Eckardt, R.C., Esterowitz, L. Ho:YLF pumped 4- $\mu$ m stimulated Raman scattering in liquid nitrogen 1-46796
- Marquet, A.** *see* Gillet, R. 1-31182
- Marquez, R.D.,** Ledezma, O.R., Noda, N., Kuki, H. 230 kV self-contained oil-filled cable line installed underneath a bridge located in Maracaibo, Venezuela 1-34886
- Marquez, R.D.,** Ledezma, O.R., Noda, N., Kuki, H. 230 kV self-contained oil-filled cable line installed underneath a bridge located in Maracaibo, Venezuela 1-43700
- Marquis, F.** *see* Groves, C. 1-40722
- Marr, J.D.** Modeling the effect of wait cycles on microprocessor throughput 1-40066
- Marr, J.D.** Comparison of several clustering algorithms for data rate compression of LPC parameters 1-41589
- Marr, J.D.,** Barnwell, T.P., III Two dimensional prediction and interpolation for data rate compression of LPC parameters 1-37442
- Marrello, V.** *see* Chen, M. 1-33020
- Marriage, A.J.** *see* Albrecht, M. 1-42563
- Marrian, C.** *see* Basile, M. 1-43250, 1-43251
- Marrocchesi, P.S.** *see* Amendolia, S.R. 1-43238
- Marron, P.** Design procedures for effective testability 1-39394
- Mars, Jr., J.C.** *see* Knadler, Jr., C.E. 1-47439
- Mars, N.J.I.,** Van Arragon, G.W. Time delay estimation in nonlinear systems 1-41677
- Marsan, M.** Ajmone *see* Ajmone Marsan, M.
- Marshall, P.** *see* Wolk, C. 1-37127
- Marsh, D.G.,** Ahuja, B.K., Misawa, T., Dwarakanath, M.R., Fleischer, P.E., Saari, V.R. A single-chip CMOS PCM codec with filters 1-52006
- Marsh, D.G.** *see* Ahuja, B.K. 1-33871
- Marsh, E.N.** *see* Man-Loong Chan 1-34778, 1-38663
- Marsh, P.** Britain advances in computerised factories 1-39369
- Marsh, R.C.,** Quinn, T.B. Energy savings in laminar flow clean air systems 1-53798
- Marsh, R.L.** *see* Bayer, E.H. 1-40641
- Marsh, R.R.,** Potsic, W.P. A recorder for off-line acquisition of brain stem auditory response data 1-48707
- Marshak, M.** *see* Jonckheere, A. 1-30300
- Marshall, C.** A microprocessor controlled pulse generator 1-32234
- Marshall, C.** Resistors in multilayer circuits 1-40335
- Marshall, C.** Automotive regulator for microprocessor supplies 1-45254
- Marshall, D.B.** *see* Lawn, B.R. 1-45906
- Marshall, E.** Standard test language for gas turbine engines 1-52850
- Marshall, F.J.** *see* Quick, R.G. 1-45871
- Marshall, G.** Preventing electrical accidents 1-44651
- Marshall, J.,** Taylor, F. Computer-aided design of the Gray-Markel filter 1-50561
- Marshall, M.** Optical disks excite industry [digital storage] 1-34098
- Marshall, N.** Metallic return transfer breaker development 1-53585
- Marshall, P.** *see* Singleton, R.C.C. 1-31206
- Marshall, R.A.** High current and high current density pulse tests of brushes and collectors for homopolar energy stores 1-35187
- Marshall, R.A.,** Weldon, W.F. Parameter selection for homopolar generators used as pulsed energy stores 1-35407
- Marshall, S.J.** Detecting moisture in buildings using infrared thermography 1-52481
- Marshall, S.J.** *see* Flanders, S.N. 1-52399
- Marshall, T.C.** *see* Birkett, D.S. 1-51487
- Marshall, T.G.** Synchronous reception using a nines complement IF 1-42181
- Marshall, T.G.** *see* Hartung, J. 1-38027
- Marshall, T.G.** *see* Orfanidis, S.J. 1-47240
- Marshall, T.G., Jr.** *see* Liu, F.C. 1-45199
- Marsolais, E.B.** *see* Peckham, P.H. 1-43378
- Martson, P.** Development and use of the 'chip carrier' as the next generation package for semiconductors 1-26945
- Martson, R.** Low-ohm meter 1-34311
- Martson, R.** Remote-controlled touch dimmer 1-36289
- Martson, R.** Remote-controlled power switch 1-36380
- Martson, R.** Musical box 1-38051
- Martson, R.** LED Jewellery 1-40148
- Martson, R.,** Pazov, P. Infrared remote-control 1-38195
- Martson, R.,** Pazov, P. Smart battery charger 1-53524
- Martson, R.,** Ramsahadeo, S. Visual complex sound analyser 1-38049
- Martson, R.,** Ramsahadeo, S. Drum machine 1-38052
- Martson, R.,** Ramsahadeo, S. Mini-drill speed controller 1-40153
- Martson, R.,** Ramsahadeo, S. Antenna extender 1-41437
- Martson, R.,** Ramsahadeo, S. Waa-phase unit 1-42461
- Martson, R.,** Ramsahadeo, S. Superdice 1-50579
- Marta, E.Sa** *see* Sa Marta, E.
- Martel, P.** *see* Bochanky, L. 1-49078
- Martello, F.,** Protto, S. Naval radars incorporate phased arrays 1-47722
- Martellotti, G.** *see* D'Agostini, G. 1-48577
- Martellotto, N.A.** An operating system for reliable real-time telecommunications control 1-42116
- Marten, P.** *see* Bohm, K. 1-33034
- Marten, R.** Reduction of hysteresis in fixed threshold Schmitt trigger 1-27369
- Martens, G.T.** *see* Kenney, J., Jr. 1-52861
- Martens, H.** *see* Yuschik, M. 1-41593
- Marth, W.** *see* Hennines, H.H. 1-43858
- Marthinsson, B.** *see* Lundqvist, S. 1-52948
- Marti, F.,** Gordon, M.M. Calculation of forces on the aluminum heat shield produced by eddy currents during discharge of a superconducting cyclotron magnet 1-42824
- Marti, F.** *see* Gordon, M.M. 1-48451
- Marti, K.** On stochastic dominance and the construction of directions of decrease in stochastic programs having a discrete distribution 1-44982
- Marti, K.** *see* Bhandari, N. 1-48635
- Marti, R.** The Patek-Philippe 'Telebox' chronometer 1-30057
- Marti, U.** New methods of industrial temperature measurement 1-30275
- Martikainen, A.I.** A converse to the law of the iterated logarithm for a random walk 1-44890
- Martin, A.** CRTs for avionics 1-48792
- Martin, A.G.** Multilayer ceramic capacitors beat the inductance blues 1-50638
- Martin, A.L.** *see* Coutts, R.P. 1-52056
- Martin, A.L.** *see* Ladbroke, P.H. 1-28041
- Martin, B.** *see* Becchetti, F. 1-38330, 1-48388
- Martin, B.** *see* Busse, W. 1-43134
- Martin, C.** *see* Elchinger, M.-F. 1-27136
- Martin, C.** *see* Redon, A.M. 1-31393
- Martin, D.** *see* Connolly, J.A. 1-39966
- Martin, D.** *see* Davis, J. 1-32408
- Martin, D.H.** The spectra of bounded linear self-adjoint operators relative to a cone in Hilbert space 1-35854
- Martin, D.H.,** Gardner, R.J., Watkins, G.G. Indicating cones and the intersection principle for tangential approximants in abstract multiplier rules 1-39623
- Martin, D.H.,** Puplett, E. A simple power meter using photo-acoustic detection 1-48192
- Martin, D.H.** *see* Barclay, D.J. 1-28524, 1-30211
- Martin, D.H.** *see* Harvey, I.G. 1-44497
- Martin, D.J.R.** Ariadne: a radio propagation highway for mines 1-29651
- Martin, D.J.R.** Ariadne: a radio propagation for mines 1-37863
- Martin, E.,** Hernandez, A., Sanchez, M.C., Zamorro, J.M., Margineda, J. Automatic measurement of Q factor and resonant frequency of microwave resonators 1-48228
- Martin, E.** *see* Rivas, J. 1-40776
- Martin, E.R.** *see* Reinhart, E.E. 1-52204
- Martin, G.,** Berrie, J., Little, T., Mackay, D., McVean, J., Tomsett, D., Weston, L. CELTI-C-solving the problems of LSI design with an integrated polycell DA system 1-46265
- Martin, G.M.** Key electrical parameters in semi-insulating materials: the methods to determine them in GaAs 1-27815
- Martin, G.M.** *see* Simondet, F. 1-27817
- Martin, G.P.** *see* Cofer, J.W. 1-41364
- Martin, H.** *see* Aleksan, R. 1-48582
- Martin, I.** A solid state approach to the design of welding equipment invertors. I 1-49555
- Martin, I.** A solid state approach to the design of welding equipment invertors. II 1-49556
- Martin, I.E.,** Satar, A.N., Gupta, C.D. Connector performance monitoring in the outdoor cross connect environment 1-32488
- Martin, J.** Talking cockpits will aid fighter pilots 1-30506
- Martin, J.** *see* Joshi, N.V. 1-51247
- Martin, J.A.,** Ball, J.B., Cleary, T.P., Hudson, E.D., Lord, R.S., Ludemann, C.A., Mosko, S.W., Welton, T.A., Schwenterly, S.W., Ballou, J.K., Brown, R.L., Gray, W.H., McNeilly, G.S., Nehring, F.W. Superconducting conversion of the Oak Ridge isochronous cyclotron 1-42895
- Martin, J.A.** *see* Lord, R.S. 1-42893
- Martin, J.A.** Cordero *see* Cordero Martin, J.A.
- Martin, J.C.,** Piguot, C., Perotto, J.F. A review of microprogrammed wristwatches 1-27456
- Martin, J.-C.** *see* Gerber, B. 1-40035
- Martin, J.H.,** Hanley, L.D. Humidity test of pre-molded chip carriers 1-44716
- Martin, J.L.** *see* Bostyn, R. 1-43292
- Martin, J.L.** *see* Migus, A. 1-28678
- Martin, J.L.C.** Random and programmable logic in watches [CMOS technology] 1-27457
- Martin, J.-M.,** Jeandot, J.L., Tuan Kiet Duong 64 kbit/s data multiplexer for 2 Mbit/s digital transmission 1-47457
- Martin, J.P.** *see* Bavaria, G. 1-48432
- Martin, J.P.** *see* Burq, J.P. 1-52679
- Martin, J.P.** *see* Hargrove, C.K. 1-43237
- Martin, K.** An overview of switched-capacitor networks 1-32157
- Martin, K.** A voltage-controlled switched-capacitor relaxation oscillator 1-50444
- Martin, K.,** Sedra, A.S. Switched-capacitor building blocks for adaptive systems 1-36064
- Martin, K.,** Sedra, A.S. Effects of the op amp finite gain and bandwidth on the performance of switched-capacitor filters 1-45471
- Martin, K.,** Sedra, A.S. Switched capacitor building blocks for adaptive systems 1-50396
- Martin, L.** Study of multipath fading selectivity 1-28889
- Martin, L.** Relative amplitudes and delays of rays during multipath fading 1-46932
- Martin, M.,** Gannon, J., Rode, C., McCarthy, J. Quasi-optimal algorithms for the control loops of the Fermilab energy saver satellite refrigerator 1-42823
- Martin, M.** *see* Assens, R. 1-29563
- Martin, M.** *see* Damblin, J.-L. 1-47524
- Martin, M.** *see* Zagel, J.R. 1-42800
- Martin, M.A.,** Mushiaki, Y., Ishizone, T., Sawaya, K. Impedance of a short horizontal dipole over a ground plane covered with an anisotropic plasma 1-47009
- Martin, M.J.,** Girard, A., Majos, J. An integrated speech synthesizer 1-41531
- Martin, O.** *see* Sauteret, C. 1-33260
- Martin, P.** *see* James, D.S. 1-47742
- Martin, P.M.,** Pawlewicz, W.T. Film-plasma interactions in triode-sputtered a-Si:H 1-45109
- Martin, R.,** Memmi, G. Specification and validation of sequential processes communicating by FIFO channels 1-42101
- Martin, R.,** Roth, N., Simon, J. A very fast computer vision system for automatic production 1-50027
- Martin, R.C.** Rotary printer power supply 1-39927
- Martin, R.E.** *see* Penner, S. 1-38340
- Martin, R.J.** A note on the adequacy of fit of a spatial model to some agricultural uniformity data 1-35765
- Martin, R.J.** *see* Kirsch, S.T. 1-51216
- Martin, R.L.,** Arnold, R., Burke, R., Watson, J. Argonne's program in heavy ion fusion 1-48310
- Martin, R.T.** Design equations ease opto-to-TTL mating 1-45562
- Martin, S.D., Jr.,** Woolverton, H.L., York, R.L., Nath, S., Sekharan, K.K., Hiebert, J.C., Northcliffe, L.C. Measurement and parameterization of the response of NE102 to fast neutrons 1-48599
- Martin, S.J.,** Gunshor, R.L., Pierret, R.F. High Q, temperature stable ZnO-on-silicon SAW resonators 1-36755
- Martin, T.H.,** VanDevender, J.P., Barr, G.W., Goldstein, S.A., White, R.A., Seamen, J.F. Particle beam fusion accelerator-I (PBFA-I) 1-48297
- Martin, V.M.,** Sega, R.M., Stewart, C.V., Burton, R.W. Applications of infrared thermography in the analysis of induced surface currents due to incident electromagnetic (EM) radiation on complex shapes 1-52551
- Martin, W.** Line tracking in nonstationary processes 1-37531
- Martin, W.E.,** Trenholme, J.B., Linford, G.J., Yarema, S.M., Hurley, C.A. Solid-state disk amplifiers for fusion-laser systems 1-51419
- Martin, W.J.,** Steinmetz, M.J. Dynamic offset null 1-36105
- Martin, W.N.** *see* Aggarwal, J.K. 1-33626
- Martin Boerner, W.,** El-Arini, M.B., Chung-Yee Chan, Mastoris, P.M. Polarization dependence in electromagnetic inverse problems 1-41208
- Martin-Pereda, J.A.,** Muriel, M.A. Total switching of unpolarized light with an electrooptic liquid-crystal device 1-51236
- Martin-Polo, F.** *see* Grimsdale, R.L. 1-37759
- Martineau, R.** *see* Koehler, T. 1-47985
- Martineau, G.,** Morini, A., Nalesso, G.F., Tenti, P. Screening of transient electromagnetic fields in superconducting turbogenerators 1-53377
- Martinelli, G.,** Salerno, M. Passive switched-capacitor low-pass filters 1-40087
- Martinelli, G.,** Salerno, M., Lucarelli, R., Orlandi, G., Turchi, M. A new two-dimensional gradient adaptive algorithm for signal processing 1-41627
- Martinelli, G.** *see* Armigliato, A. 1-40986
- Martinelli, G.** *see* Cascio, F. 1-42012
- Martinez, A.** *see* Essaid, A. 1-40511
- Martinez, A.** *see* Lou, D.Y. 1-29909
- Martinez, A.** *see* Oustry, A. 1-40457
- Martinez, E.,** Fischer, J.C., Romeo, M. The automation of a system for the measurement of transistors 1-50037
- Martinez, E.** *see* Teichholz, L. 1-48697
- Martinez, H.E.** *see* Lundberg, L.B. 1-30517

- Martinez, J., Iglewicz, B. A test for departure from normality based on a biweight estimator of scale 1-35763
- Martinez, L. Broadcast radio system for distribution communications 1-52057
- Martinez, L. *see* Joshi, N.V. 1-37005
- Martinez, S. *see* Pineiro, J.A. 1-49572
- Martinez Garcia, S. Synthesis of a new inverter with SCR. Application in AC motor control 1-31320
- Martinez-Duart, J.M. *see* Albella, J.M. 1-28150, 1-40247
- Martini, F. *De see* De Martini, F.
- Martini, K.H. Piezoelectric and piezoresistive pressure measurement methods 1-48264
- Martini, M. *see* Baribaud, G. 1-42939
- Martini, T., Szakallas, C. Equipment of an up-to-date laboratory for electric motor cars development and testing 1-31577
- Martinis, C. *de see* de Martinis, C.
- Martinoli, A.S. *see* Calovic, M.S. 1-38652
- Martinovich, I. Electric power supply of the single-phase 25 kV 50 Hz traction network of the Hungarian State Railways 1-44448
- Martins, A. *Gomes see* Gomes Martins, A.
- Martins, H. *see* Kelley, R. 1-52273
- Martins, R., Dias, A.G., Guimaraes, I. Influence of electric and magnetic DC fields on the electronic transport properties of a-Si:H alloys produced by RF glow discharge 1-45897
- Martinson, R.G. LV lighting control can save time and energy 1-35499
- Martiny, W.J. *see* Cummings, P.G. 1-44099
- Martirosyan, V.A. *see* Boguslavskii, L.B. 1-51945
- Marton, K. The problem of isomorphism for general discrete memoryless stationary correlated sources 1-33465
- Martsafei, V.V., Solodovnikov, M.A. Synthesis of weakly directional antenna with enhanced electromagnetic compatibility 1-51659
- Martsenitsen, S.I., Vrazhnev, V.N., Balanovskiy, L.I., Dzyuba, A.N., Kutasevich, V.P. Equipment for automating real-time transmission over the Post Office telegraph network 1-47344
- Martucci, P. *see* Gamble, J. 1-48317
- Martucci, R. *see* De Nicola, R. 1-47501
- Marty, J., Vallier, J.C. Performance of a small V<sub>3</sub>-Ga tape coil in high magnetic fields between 4.2K and 1.9K at atmospheric pressure 1-51100
- Marty, J. *see* Vampouille, M. 1-51182
- Martyakhin, V.A., Oleinikov, A.Ya., Smirnov, A.Ya., Stukan, V.A., Trifonov, V.I. Spectral characteristics of far-infrared detectors made from narrow-gap semiconductor n-type Bi<sub>1-x</sub>Sb<sub>x</sub> 1-33114
- Mart'yanov, A.N., Tatsenko, V.G. Computer simulation of a nonlinear tracking filter when observing Poisson processes 1-37535
- Martynov, A.F., Nikolaev, L.V., Randoshkin, V.V., Telesnin, R.V., Chervonenkis, A.Ya. Dynamics of transitions between through and dead-end magnetic bubbles in two-layer ferrite garnet films 1-32970
- Martynov, V.I. *see* Buklei, A.E. 1-30325
- Martynova, N.A. *see* Sysyov, B.I. 1-27883
- Martynova, O.I., Timofeev, Ju.I. Chemical methods with super-critical power plant in the USSR with particular regard to treatment with oxidizing agents 1-30983
- Martynova, O.I. *see* Tezikov, I.I. 1-30972
- Martynyuk, M.M. The role of the phase explosion of metals in the explosive electron emission process 1-27751
- Martynyukhin, K.V. *see* Ignatov, A.N. 1-36303
- Martynyuk, K.V. *see* Ignatov, A.N. 1-40166
- Maruani, A., Chemla, D.S. Polarization and propagation effects in active nonlinear spectroscopy of solids. Features of the multiple resonances on excitons and excitonic molecules 1-28774
- Marubayashi, K. *see* Matoba, M. 1-34482
- Marucchi, J. *see* Pommier, R. 1-27154
- Maruccio, J.F. *see* Gautron, J. 1-50806
- Maruhashi, T. *see* Hatanaka, Y. 1-44225
- Marubashi, T. *see* Nakaoka, M. 1-44236
- Marukhlenko, M.M. *see* Petrova, A.P. 1-46541
- Marullo, G. *see* Cucolo, A.M. 1-29961
- Marumo, M. *see* Shinoda, S. 1-30748, 1-34881, 1-49113
- Maruse, S. *see* Hibino, M. 1-32595
- Maruta, R., Tomozawa, A., Nishitani, T., Okada, T., Nakano, K., Araseki, T. Design and performance of a DSL terminal for domestic applications 1-29285
- Maruta, R. *see* Kanemasa, A. 1-41746
- Maruta, R. *see* Nishitani, T. 1-51813
- Marutani, Y. *see* Matsushita, K. 1-48232
- Maruthachalam, C. *see* Murari, K. 1-35688, 1-50053
- Maruvada, P.S. *see* Dallaire, R.D. 1-43729, 1-43746, 1-43747
- Maruvada, P.S. *see* Sarma *see* Sarma Maruvada, P.
- Maruvada, S.N. Application of reliability techniques to mature, near-term and future coal utilization technologies 1-43931
- Maruyama, E. *see* Shidara, K. 1-32571
- Maruyama, F., Uehara, T., Kawato, N. Hardward verification and design error diagnosis 1-40032
- Maruyama, K., Sato, N., Konishi, K. NTT CHILL implementation aspects and its application experience 1-42123
- Maruyama, M. *see* Ishii, K. 1-48324
- Maruyama, M. *see* Matsuda, H. 1-33767
- Maruyama, O. *see* Wada, H. 1-41516
- Maruyama, S. *see* Narimatsu, S. 1-44277
- Maruyama, T. *see* Hylen, J. 1-48583
- Maruyama, Y. *see* Iwasaki, K. 1-28173
- Maruyama, Y. *see* Mochui, K. 1-40490
- Marvel, O.E. A visual representation of pseudorandom number generators 1-37560
- Marvin, C.E. New developments in electronic mail switching systems 1-29385
- Marwaha, O.P. Design and performance of stripline microwave comparator for monopulse radar receiver 1-50616
- Marwick, A.D., Piller, R.C., Hobbs, J.E. A 200 kV heavy-ion accelerator for radiation damage research and its use for studies of radiation-enhanced diffusion and segregation 1-38392
- Marx, B.R. *see* Layer, H.P. 1-33185
- Marx, H.J. Maintenance as an economic task 1-39353
- Marx, M.D. *see* Grannis, P.D. 1-52696
- Marx-Hintze, M. High temperature electronics utilization for present and future nuclear instrumentation 1-38880
- Mar'yamova, I.I. *see* Zaganyach, Yu.I. 1-48063
- Marz, F.H. The ultimate connection [for TRS-80 computer telecommunication] 1-51958
- Marzilli, M. *see* Sabbah, H.N. 1-43282
- Marzocchi, G., Molinari, M., Piacentini, G.F. GaAs field effect transistors: their applications in radio link equipment and reliability evaluation 1-42166
- Marzouk Ibrahim, M., Mahmoud Hussein, S., Abd-El-Aziz Sabri Mathematical analysis of wave active filters 1-45523
- Mas, A. *see* Castaner, L. 1-35363
- Masagutova, R.V. *see* Boiko, M.E. 1-32691
- Masagutova, R.V. *see* Rud', Yu.V. 1-34298
- Masaki, A. *see* Chiba, T. 1-44669
- Masaki, S. *see* Iwazaki, M. 1-32451
- Masalov, A.V. *see* Vasil'eva, M.A. 1-37218
- Masalov, S.A., Shkil', V.M. Diffraction of H-polarized waves by a shielded 'louver'-type ribbon grating 1-51586
- Masalov, S.A., Sirenko, Yu.K., Shestopalov, V.P. Conditions for the appearance of the Malyuzhinets effect in partially periodic arrays 1-41281
- Masamura, T. *see* Tanaka, T. 1-46963
- Masana, A. *see* Avery, R. 1-42826
- Masaoka, Y. *see* Tsutsumi, M. 1-40824
- Maschke, A. *see* Gammel, G. 1-48426
- Maschke, A.W. *see* Gammel, G.M. 1-48308
- Maschke, A.W. *see* Mobley, R.M. 1-42779
- Maschke, K. *see* Baldereschi, A. 1-27830
- Maschoff, D.C. *see* Taylor, L.L. 1-49015
- Maschuw, R. *see* Burkhardt, H. 1-43210
- Masciadri, L. *see* Cerutti, S. 1-43351
- Mase, H. *see* Arai, K. 1-46686
- Mase, S. *see* Yokoyama, K. 1-32444
- Maseng, T., Bakken, P.M. A stochastic dynamic model of rain attenuation 1-37307
- Maser, E. *see* Giessler, A. 1-33804
- Masetti, G. *see* Calzolari, P.U. 1-27295
- Masetti, M. *see* Bacilieri, P. 1-38440, 1-38441
- Masetti, M. *see* Basile, M. 1-43251
- Mashhour, A.F. *see* Abouammoh, A.M. 1-50142
- Mashkautsan, V.V. *see* Siunov, N.S. 1-31245
- Mashkeev, A.K. *see* Alimov, A.K. 1-30472
- Mashkinov, L.B., Gal'perin, L.N. Voltage-frequency measuring converter 1-50601
- Masiello, R.D. Cost-benefit justification of an energy control center 1-43532
- Masiello, R.D., Wollenberg, B.F. Cost-benefit justification of an energy control center 1-34771
- Masilamani, V., Sivaram, B.M. Spectral and laser gain characteristics of solvated species of scopoletin 1-46707
- Masimov, A.Z. *see* Ismailov, T.K. 1-42623
- Maskara, S.L., Das, J. Concatenated sequences for spread spectrum systems 1-47084
- Maslak, S.H. *see* Karer, H.E. 1-38502
- Maslenikov, V.V., Myasnikov, A.K. Digital-to-analog converters with an R-2R matrix 1-36311
- Masloboev, Yu.P., Poltoratskii, E.A., Suris, R.A., Shtofich, S.V. Semiconductor laser with longitudinal-mode selection 1-28733
- Masloboev, Yu.P. *see* Emel'yanov, A.V. 1-28520
- Maslov, V.S. Analysing reliability of measurement converters with error correction 1-44761
- Maslov, V.V., Makarova, N.N., Pankratova, N.K. Predicting the behavior of electrical insulating materials and insulation systems under long term storage 1-32912
- Maslov, V.V. *see* Dzyubenko, M.I. 1-51400
- Maslova, T.A. *see* Gitman, M.I. 1-35050
- Maslowski, S. Trends in fiber optical communications 1-29759
- Maslowski, S. *see* Schenkel, K.-D. 1-33646
- Maslyuk, V.T., Fennich, P.A. Criteria for optimality of periodic semiconductor structures under conditions of technological fluctuations of parameters 1-36513
- Masniki, W., Mazurek, W. Optimization of fuel economy measuring systems for diesel engines testing 1-38892
- Masny, J. Efficiency and reliability of the shock protection systems 1-39361
- Masoero, A. *see* Prudenziati, M. 1-45815
- Mason, I. *see* Siegmund, O. 1-34438
- Mason, J. Neurosurgical intensive care 1-52800
- Mason, J.H. Assessing the resistance of polymers to electrical treeing 1-28154
- Mason, J.M., Fyfe, I.S. Assessment of single-limb activity in small rodents 1-42570
- Mason, P.I., Rees, W.D. Hazards from plastic pipes carrying insulating liquids 1-35610
- Mason, R.O., Swanson, E.B. Measurement for management decision 1-44626
- Mason, T.O., Bowen, H.K. Electronic conduction and thermopower of magnetite and iron-aluminate spinels 1-40417
- Masry, E. The reconstruction of analog signals from the sign of their noisy samples 1-33662
- Massa, F. *see* D'Agostini, G. 1-48577
- Massa, R. XPC—new and programmable synthesizer generator for 50 kHz to 1360 MHz 1-30147
- Massaglia, P. *see* Pagana, E. 1-29035
- Massai, M.M. *see* Bellazzini, R. 1-30351
- Massam, T. *see* Basile, M. 1-43250, 1-43251
- Massambani, O. *see* Rogers, R.R. 1-33335
- Massara, R.E., Al-Najjar, A.R. FDNr realisation of all-pole lowpass filters 1-45486
- Massara, R.E., Emms, D.J., McKinder, P.J. Optimum cascade realization of higher-order RC-active multi-loop filter structures 1-27498
- Mass'ari, M.A. *Al see* Al Mass'ari, M.A.
- Massart, R. Preparation of aqueous magnetic liquids in alkaline and acidic media 1-28217
- Masseboeuf, C., Simonis, R. How to test codes accurately and rapidly 1-47458
- Massey, J.L. Capacity, cut-off rate, and coding for a direct-detection optical channel 1-33440
- Massey, J.L. Effect of channel errors on certain random-access algorithms 1-33445
- Massie, N.A., Hartlove, J., Jungwirth, D., Morris, J. High accuracy interferometric measurements of electron-beam pumped transverse-flow laser media with 10-μsec time resolution 1-51499
- Massies, J., Chaplart, J., Laviron, M., Linh, N.T. Monocrystalline aluminum ohmic contact to n-GaAs by H<sub>2</sub>S adsorption 1-36514
- Massobrio, G. *see* Antognetti, P. 1-28003
- Masson, C.R. The design of stable acousto-optical spectrometers for radio astronomy 1-29827
- Masson, H. *see* Jaumotte, A. 1-49253
- Masson, J.M. *see* Flandrois, S. 1-44327
- Masson, J.P., Thomasset, D., Retif, J.M. Instantaneous speed measurement: application to a single phase synchronous micromotor 1-48237
- Massot, J.N., Meunier, J.P., Pigeon, J. Phase effect on optical power dispersion in monomode optical fibres 1-28426
- Massot, J.N. *see* Meunier, J.P. 1-46531
- Massoudi, H., Durney, C.H., Iskander, M.F. Comparison of the absorption characteristics of block and prolate spheroidal models of man exposed to near fields of short electric dipole 1-48757
- Massoudi, H. *see* Iskander, M.F. 1-30481
- Massoudi, H. *see* Lakhtakia, A. 1-43385, 1-51590
- Masternak, S. *see* Szustakowski, M. 1-42242
- Masteron, J.B. Innovative methods for installing fiber optic cables 1-33987
- Masthuba, M. *see* Pavlik, J. 1-27238
- Mastoris, P.M. *see* Martin Boerner, W. 1-41208
- Mastrolanni, M. SF<sub>6</sub> analysis is the key to maintenance 1-31348
- Mastrolanni, G. *see* Lattarulo, F. 1-43384
- Masubuchi, O., Okumura, K. Consideration of response characteristics of automatic checkweigher 1-52334
- Masud, M. *see* Wacks, K.P. 1-36666
- Masuda, H. Board applies Hamming codes to small-computer memory 1-32252
- Masuda, H. *see* Jellinek, H.H.G. 1-31143
- Masuda, I., Maejima, H., Ohmae, T. Firmware application to DDC and its performance evaluation 1-53587
- Masuda, I. *see* Odaka, K. 1-29153
- Masuda, K., Mizuguchi, H., Takeda, K., Okada, T. Automatic metal pouring system of continuous casting process 1-31722
- Masuda, M. *see* Iwade, M. 1-48178
- Masuda, M. *see* Murakami, Y. 1-28376
- Masuda, M. *see* Nabeyama, H. 1-34083
- Masuda, M. *see* Shintomi, T. 1-28374
- Masuda, S. Industrial applications of electrostatics 1-37270
- Masuda, S., Nakatani, H., Kawahara, H., Mizuno, A. Particle charging with travelling wave corona discharge 1-37276
- Masuda, S., Nonagaki, Y. Sensing of back discharge and bipolar ionic current 1-37275
- Masuda, S. *see* Yokokura, K. 1-39095, 1-44272

- Masuda, Y.**, Miyazaki, T. The sea trial of the wave power generator 'KAIMEI' 1-35092
- Masuda, Y.** *see* Matsuihoro, K. 1-40965
- Masuda, Y.** *see* Nakagawa, Y. 1-52532
- Masuda, Y.** *see* Onodera, T. 1-44227
- Masuda, Y.** *see* Oraby, A.H. 1-32697
- Masugata, K.**, Nakayama, T., Inazumi, Y., Konno, K., Nakabaru, M., Takano, S., Matsui, M., Irisawa, J., Yatsui, K. Generation and focussing of intense pulsed light-ion beam at Nagaoka-ETIGO project 1-43192
- Masuhara, T.** *see* Minato, O. 1-27470
- Masuhara, T.** *see* Yasui, T. 1-28103
- Masui, T.**, Shimizu, S., Yoshida, M., Abe, T. Recognition system for design chart drawn on section paper 1-27686
- Masukawa, M.M.** *see* Etter, D.M. 1-37551, 1-41776
- Masumoto, K.** *see* Kawasumi, I. 1-32052
- Masumoto, T.** *see* Fujimori, H. 1-40818
- Masunov, E.S.** *see* Valdner, O.A. 1-48492
- Masuo, K.** *see* Kawasaki, Y. 1-38763
- Masurkar, V.** An algorithmic pretest development for fault identification in analog networks 1-45196
- Masutomi, F.**, Sato, K. Improvement of filter connection for a low-voltage three-phase AC new guide-way transportation system 1-35437
- Masuy, J.M.** *see* Ponghis, N. 1-49829
- Masuya, T.** *see* Kitada, M. 1-43930
- Masyurenko, Yu.A.** *see* Nizhenskii, A.D. 1-45576
- Matachi, S.**, Miyashita, T., Kanamori, T. Fluoride-glass-cladded optical fibres for mid-infrared ray transmission 1-51161
- Mataloni, P.** A two frequency cavity dumped dye laser 1-46708
- Matare, J.** *see* Bochnig, W. 1-42084
- Matchak, A.T.**, Tomson, T.I. Analysis of digital phase-shifting devices 1-27443
- Matchell, R.** Colour TV camera performance: the Marconi mark IX cameras 1-38021
- Matcovich, T.J.** Trends in bonding technology 1-45847
- Mate, L.** *see* Bohus, M. 1-42507
- Mateenko, Yu.P.** *see* Slizkii, E.P. 1-38971
- Matevitskii, E.O.** *see* Omel'chenko, V.A. 1-37527
- Math, I.** CMOS circuitry 1-51011
- Matheron, G.** *see* Villegier, J.C. 1-28343
- Matheson, D.R.**, Pittampalli, E. Simulation of a real-time HVDC interactive control system 1-38727
- Matheson, T.G.**, Higgins, R.J. Magnetic breakdown in the tipped Si<sup>+</sup> superlattice<sup>+</sup> 1-28028
- Mathew, K.T.**, Nair, K.G. An analysis of the behaviour of flanged sectoral horn antennas and corner reflector systems 1-41389
- Mathews, M.V.**, Abbott, C. The Sequential Drum 1-52280
- Mathews, N.A.**, Aghvami, A.H. Binary and quaternary CPSC transmissions through non-linear channels in additive Gaussian noise and cochannel interference 1-28939
- Mathews, N.A.**, Riris, A. Performance analysis of QPSK transmission through a direct phase regenerator 1-29167
- Mathias, G.** Steam turbines 1-38895
- Mathiesen, D.W.** *see* Scherer, D. 1-30142
- Mathieson, E.** *see* Bilvin, P.J. 1-34467
- Mathieson, E.** *see* Fraser, G.W. 1-30343, 1-30344, 1-38420, 1-43214
- Mathieson, E.** *see* Gilvin, P.J. 1-48613
- Mathieu, D.** *see* Fleuret, N. 1-34479
- Mathieu, F.** *see* Fauchaux, F. 1-43281
- Mathieu, P.**, Izatt, J.R. Continuously tunable CH<sub>3</sub>F Raman far-infrared laser 1-51367
- Mathieu, P.** *see* Bernard, P. 1-37066
- Mathis, F.H.** An L<sub>∞</sub> error estimate for the Ritz-Trefftz approximation in optimal control 1-44778
- Mathis, R.A.** *see* Christophorou, L.G. 1-28159
- Mathur, M.C.**, Debnath, N.K., Sinha, A.K. Application of reliability techniques to Indian rocket systems 1-38545
- Mathur, P.C.**, Agarwal, S.K., Sethi, B.R., Jain, S.K., Sharma, O.P. Conductivity mechanisms in ZnS<sub>0.5</sub>Se<sub>0.5</sub> 1-36475
- Mathur, P.C.**, Kumar, A., Taneja, O.P., Dawar, A.L. Growth and electrical transport properties of In<sub>2</sub>Te<sub>3</sub> thin films 1-36496
- Mathur, P.C.**, Sharma, R.P., Saxena, P., Arora, J.D. Temperature dependence of minority carrier lifetime in single-crystal and polycrystalline Si solar cells 1-53628
- Mathur, P.C.** *see* Arora, J.D. 1-44369, 1-53627
- Mathur, P.C.** *see* Dawar, A.L. 1-32670, 1-40437
- Mathur, P.C.** *see* Mehra, R.M. 1-40422
- Mathur, P.C.** *see* Saxena, P. 1-32791, 1-50909
- Mathur, P.C.** *see* Sethi, B.R. 1-32637
- Mathur, R.K.** *see* Dhariwal, S.R. 1-49692
- Mathur, R.M.** A thyristor controlled static phase-shifter for AC power transmission 1-38723
- Mathur, R.M.**, Basati, R.S. A thyristor controlled static phase-shifter for AC power transmission 1-43639
- Mathur, V.K.**, Chang, C.S., Lee, C.H. Measurement of contact resistance of an ohmic contact applied to a high resistivity photoconductor 1-38271
- Mathy, F.** *see* Breskin, A. 1-34439
- Mathys, W.** *see* Briker, H. 1-30879
- Matino, H.** FET rectifier circuit 1-39902
- Matiowsky, M.A.** *see* Thomson, D.J. 1-44358
- Matis, H.S.** *see* Yang, M.-J. 1-48584
- Matis, J.H.** *see* Whitmore, R.W. 1-50151
- Matisoff, B.S.** Good shielding techniques control EMI and RFI 1-46957
- Matkari, A.K.**, Mithal, S.K., Kasarabada, C. A novel approach for higher yield in thick-film resistors 1-40239
- Matkovits, I.** *see* Fintinaru, N. 1-52453
- Matoba, M.**, Tsuji, K., Marubayashi, K., Shintake, T., Ikegami, H., Yamazaki, T., Morinobu, S., Katayama, I., Fujiwara, M., Fujita, Y. A 1.5 m single-wire position-sensitive proportional counter for a magnetic spectrograph with a large dispersion 1-34482
- Matoba, M.** *see* Yamanaka, C. 1-51348
- Matone, G.** *see* Federici, L. 1-43268
- Matouka, M.F.** *see* Jacovides, L.J. 1-53744
- Matov, A.Ya.**, Tishchenko, N.F. Mathematical models of computational systems with priority failure in the servicing 1-44803
- Matrenichev, A.M.**, Fal'kovskii, V.O. Blocking a transformer on-load tap-changing scheme in the event of component failure 1-44138
- Matriciani, E.**, Paraboni, A., Possenti, G., Tirro, S. Determination of rain anisotropy and effective spreading of the orientation of ellipsoidal raindrops during intense rainfall 1-46867
- Matson, J.L.** *see* Winch, R.G. 1-32400
- Matsu-ura, S.**, Hazama, K., Murata, T. TV tuning systems with SAW comb filter 1-38008
- Matsua, H.** *see* Yajima, K. 1-43365
- Matsubara, I.** *see* Igarashi, M. 1-34959
- Matsubara, M.** *see* Ninomiya, S. 1-43364
- Matsubara, S.**, Warabisako, T., Kuroda, E., Saitoh, T., Tokuyama, T., Enomoto, Y., Kaneko, K., Hasegawa, N. Fabrication and properties of diffused solar cells using solar-grade silicon prepared by a fluidized-bed reactor 1-44366
- Matsubayashi, Y.**, Nagatomi, K., Fukuda, E., Yamazaki, Y. Study on the sideway swaying of jumper conductor 1-38775
- Matsuda, A.**, Matsumura, M., Nakagawa, K., Yamamoto, H., Yamasaki, S., Okushi, H., Izima, S., Tanaka, K. High-conductive and wide optical-gap boron-doped Si:H films 1-50797
- Matsuda, A.**, Matsumura, M., Yamasaki, S., Yamamoto, H., Imura, T., Okushi, H., Izima, S., Tanaka, K. Boron doping of hydrogenated silicon thin films 1-27926
- Matsuda, A.**, Yoshida, T., Yamasaki, S., Tanaka, K. Structural study on amorphous-microcrystalline mixed-phase Si:H films 1-45908
- Matsuda, A.** *see* Nagata, K. 1-28327
- Matsuda, A.** *see* Tanaka, K. 1-45947
- Matsuda, H.**, Ishikawa, T., Iijima, S., Maruyama, M. Test methods and tools for facsimile storage and conversion equipment (STOC) in FICS-1 system 1-33767
- Matsuda, H.** *see* Ohashi, H. 1-40577
- Matsuda, I.** *see* Midorikawa, K. 1-33256
- Matsuda, I.** *see* Oura, N. 1-46357
- Matsuda, J.**, Takemori, E., Ueda, T. Estimation of time varying traffic parameters 1-51914
- Matsuda, J.**, Takemori, E.J., Ueda, T. Estimation of time varying traffic parameters [telephony] 1-47326
- Matsuda, K.** Holographic shearing interferometer 1-28801
- Matsuda, K.** Holographic lateral shear interferometers with twin three-beam holograms 1-28804
- Matsuda, K.** *see* Okuma, Y. 1-28857
- Matsuda, K.** *see* Takahashi, H. 1-49818
- Matsuda, K.** *see* Toriyama, K.-I. 1-33928
- Matsuda, M.** *see* Kuroda, E. 1-45075
- Matsuda, R.** Innovation in telecommunications networks 1-51932
- Matsuda, S.** *see* Mukae, H. 1-53581
- Matsuda, S.** *see* Okawa, M. 1-49635
- Matsuda, S.** *see* Okutsu, N. 1-44278
- Matsuda, T.** Computer controlled conformation radiotherapy 1-43377
- Matsuda, T.** *see* Akimoto, Y. 1-43787
- Matsudo, O.** *see* Shimizu, H. 1-42710
- Matsudo, O.** *see* Watanabe, M. 1-42822
- Matsue, S.** *see* Tsujide, T. 1-27473
- Matsue, S.** *see* Wada, T. 1-27471
- Matsueda, H.**, Fukuzawa, T., Kuroda, T., Nakamura, M. Integration of a laser diode and a twin FET 1-46562
- Matsueda, H.**, Fukuzawa, T., Nakamura, M. Integration of optical and electronic devices 1-40961
- Matsuhiro, K.**, Masuda, Y. Electrochromic properties of an a-WO<sub>3</sub> film and its application to the display devices 1-40965
- Matsuhiro, K.** *see* Ito, Y. 1-27391
- Matsui, K.** Number of bits required for digitalized television signals considering movements of false contours 1-52245
- Matsui, K.**, Sato, N. A new PWM thyristor inverter with improved commutating efficiency 1-39047
- Matsui, K.** *see* Nakajima, A. 1-33773
- Matsui, M.** *see* Masugata, K. 1-43192
- Matsui, N.**, Yamada, N. Bang-bang field control of DC motor by microcomputer 1-35182
- Matsui, S.**, Kawakatsu, H., Adachi, K. Sharpness of vacuum deposition 1-45111
- Matsui, S.** *see* Shirafuji, J. 1-40869
- Matsui, T.**, Nakamura, A. Noise behaviors of FETs for high frequencies and cryogenic temperatures 1-36619
- Matsui, T.**, Nunoshita, M. Optical tee coupler for data bus system with single multimode fibres 1-28448
- Matsui, T.** *see* Hirose, K. 1-34889, 1-43755
- Matsui, T.** *see* Miura, T. 1-34135
- Matsui, Y.** *see* Okuyama, M. 1-42624
- Matsui, Y.** *see* Sato, T. 1-32483
- Matsui, Y.** *see* Takahashi, M. 1-43423
- Matsuki, J.** *see* Uenosono, C. 1-35141
- Matsumoto, H.** *see* Kimura, T. 1-51987
- Matsumoto, G.** *see* Itoyama, K. 1-32462
- Matsumoto, G.** *see* Konishi, H. 1-40789
- Matsumoto, H.**, Inami, K. Analysis of three-phase synchronous machine with six-pulse rectifier load 1-35139
- Matsumoto, H.**, Sato, Y., Tennichi, Y., Hisano, K., Fukushima, K. Turbine control system based on prediction of rotor thermal stresses 1-35051
- Matsumoto, H.**, Sawada, K., Asai, S., Hirayama, M., Nagasawa, K. Effect of long term stress on hot electron trapping [IGFETs] 1-40599
- Matsumoto, H.**, Sawada, K., Asai, S., Hirayama, M., Nagasawa, K. Effect of long-term stress on IGFET degradations due to hot electron trapping 1-46141
- Matsumoto, H.** *see* Miyamoto, K. 1-46317
- Matsumoto, H.** *see* Wada, H. 1-41516
- Matsumoto, J.**, Mori, H. Flow control in packet-switched networks by gradual restrictions of virtual calls 1-33700
- Matsumoto, J.**, Watanabe, Y. Theoretical method for the analysis of queueing systems with overflow traffic 1-50110
- Matsumoto, K.** Preprocessing of VLBI data 1-52183
- Matsumoto, K.** *see* Hashizume, N. 1-46297
- Matsumoto, K.** *see* Ito, Y. 1-27390
- Matsumoto, M.**, Cooper, G.R. Narrowband interference in an FH-DPSK spread-spectrum communication system 1-28946
- Matsumoto, M.**, Morisako, A. An erasing method of hard magnetic recording media 1-36826
- Matsumoto, M.**, Naono, H., Akimoto, Y. Push-pull type condenser microphone for musical instruments 1-34162
- Matsumoto, M.** *see* Ogai, M. 1-36944
- Matsumoto, S.**, Hashimoto, A., Mimura, H. 2 GHz analog-digital interchangeable radio-relay system 1-29626
- Matsumoto, S.** *see* Baba, H. 1-48283
- Matsumoto, S.** *see* Murakami, H. 1-42211
- Matsumoto, T.**, Chua, L.O., Kawakami, H., Ichiraku, S. Geometric properties of dynamic nonlinear networks: transversality, local-solvability and eventual passivity 1-32148
- Matsumoto, T.**, Ikegami, G., Chua, L.O. Strong structural stability of resistive nonlinear n-ports 1-45230
- Matsumoto, T.**, Morita, T., Ishida, T. Epitaxial growth of ZnS on GaP by Zn-S-H<sub>2</sub> CVD method 1-39781
- Matsumoto, T.** *see* Kawakami, S. 1-36876
- Matsumoto, T.** *see* Ueda, J. 1-33869, 1-52022
- Matsumoto, W.** A remark of the unique continuation of the solutions for the mixed systems of parabolic type and of degenerate elliptic type 1-44786
- Matsumoto, Y.** *see* Nakagawa, K. 1-29775
- Matsumoto, K.**, Moriizumi, T., Yasuda, T. MZOS-FET-type convolver 1-36757
- Matsumura, A.** *see* Endo, H. 1-29665
- Matsumura, H.**, Furukawa, S. Properties of a fluorinated heat-resisting amorphous-silicon containing no hydrogen 1-40420
- Matsumura, H.**, Kanamori, M., Furukawa, S. Characteristics of field-effect transistor using fluorinated amorphous-silicon (a-Si:F) 1-40581
- Matsumura, H.**, Nakagome, Y., Furukawa, S. A heat-resisting novel amorphous-silicon 1-27146
- Matsumura, H.**, Nakagome, Y., Furukawa, S. Conductivity and p-n type control of fluorinated amorphous silicon (a-Si:F) without incorporating hydrogen 1-27803
- Matsumura, H.** *see* Katsuyama, T. 1-40896
- Matsumura, H.** *see* Miyamoto, K. 1-46317
- Matsumura, M.**, Hayama, H., Nara, Y., Ishibashi, K. A proposed novel amorphous-silicon image sensor 1-42540
- Matsumura, M.**, Kawashima, M. Switching characteristics of amorphous-silicon field-effect-transistors 1-46160

- Matsumura, M.**, Naruke, Y. Si JFET fabricated by lift-off method 1-36641
- Matsumura, M.**, Tsutsui, K., Naruke, Y. Submicrometre lift-off line with T-shaped cross-sectional form [FET fabrication] 1-36680
- Matsumura, M.** *see* Matsuda, A. 1-27926, 1-50797
- Matsumura, M.** *see* Tanaka, K. 1-45947
- Matsumura, S.**, Kan, H. CGPA transformers—a new technique for transporting large power transformers 1-31294
- Matsumura, S.**, Nitta, T. Surge propagation in gas insulated substation 1-39094
- Matsumura, S.**, Nitta, T. Surge propagation in gas insulated substation 1-44281
- Matsumura, S.** *see* Suzuki, A. 1-45089
- Matsumura, N.**, Betsudan, S., Katagi, T. Sidelobe level reduction by improvement of strut shape [satellite ground stations] 1-52099
- Matsunami, H.**, Fuyuki, T. Failure analysis of microelectronics—measurement of electron beam induced current 1-27914
- Matsunami, H.** *see* Fuyuki, T. 1-50756
- Matsunami, H.** *see* Kanazawa, K. 1-27955
- Matsunami, H.** *see* Kobayashi, M. 1-35963
- Matsunami, H.** *see* Saraie, J. 1-45990, 1-50328
- Matsunami, H.** *see* Suzuki, A. 1-45089, 1-50829
- Matsuno, Y.** *see* Matsushita, K. 1-50332
- Matsuo, H.** Improvement of the dynamic characteristics in multiple-output DC-DC converter by using the magnetic coupling of the energy-storage reactor 1-39055
- Matsuo, H.**, Kurokawa, F. Generalized circuit configuration of the improved forward type multiple-output DC-DC power converter 1-49581
- Matsuo, K.** *see* Aomine, T. 1-46472
- Matsuo, K.** *see* Wakuta, Y. 1-43195
- Matsuo, M.**, Kimura, S., Fujii, S., Kaneda, Y., Yoshida, M., Mure, H. A three-dimensional display system for radiation therapy planning 1-43321
- Matsuo, M.** *see* Fuji, S. 1-43323
- Matsuo, N.** *see* Mizoshita, Y. 1-40795
- Matsuo, T.**, Esashi, M. Methods of ISFET fabrication 1-50925
- Matsuo, T.** *see* Hoshimiya, N. 1-43293
- Matsuo, Y.** *see* Chang, N.S. 1-51212
- Matsuo, Y.** *see* Ohke, S. 1-46565
- Matsuoka, N.**, Hatanaka, K., Saito, T., Hosono, K., Shimizu, A., Kondo, M. A vertical-type high-purity Ge detector system for deuteron tensor analyzing power measurements 1-43201
- Matsusawa, K.** *see* Kai, T. 1-43770
- Matsushita, H.**, Miura, T., Kogure, T., Tsuji, S., Shimaki, Y., Suenaga, H., Mima, S., Konno, N., Kato, M., Imanishi, K., Sasaki, S., Taguchi, K., Shiragami, K., Inoue, H., Yamaguchi, S., Kurahashi, A. Digital audio system for professional use 1-34156
- Matsushita, T.**, Hibino, M. Time domain design of IIR filters with prescribed equiripple stop-band loss 1-36267
- Matsushita, T.**, Yamauchi, I., Sueta, T. Flexible infrared-transmissive plastic waveguides coated with evaporated aluminum 1-46527
- Matsushita, T.** *see* Akimoto, Y. 1-43787
- Matsushita, Y.**, Sakai, K., Noda, Y. New type InGaAs/InP heterostructure avalanche photodiode with buffer layer 1-46640
- Matsushita, Y.** *see* Noda, Y. 1-28712, 1-41096
- Matsushita, Y.** *see* Sakai, K. 1-41093
- Matsushita, H.** *see* Kaneda, T. 1-49838
- Matsushita, H.** *see* Mimura, Y. 1-38180
- Matsushita, H.** *see* Okada, M. 1-46165
- Matsushita, K.**, Matsuno, Y., Hariu, T., Shibata, Y. A comparative study of the deposition conditions in the plasma-assisted deposition of gallium nitride thin films 1-50332
- Matsushita, S.** *see* Kirihiara, Y. 1-33762
- Matsushita, S.** *see* Mito, I. 1-37166
- Matsushita, T.** X-ray absorption spectrometer with a dispersive as well as focusing optical system 1-34532
- Matsushita, T.**, Hayashi, H., Oh-Uchi, N., Yamoto, H. A SIPOS-Si heterojunction transistor 1-40555
- Matsushita, T.**, Susaki, S. Heavy water upgrading system in the Fugen heavy water reactor 1-35008
- Matsushita, T.** *see* Ishikawa, F. 1-30137
- Matsutera, H.** *see* Hidaka, Y. 1-51094
- Matsuura, E.** *see* Inushima, T. 1-28163
- Matsuura, H.** *see* Hosaka, T. 1-47502
- Matsuura, S.** *see* Kishimoto, K. 1-36794
- Matsuura, S.** *see* Murata, T. 1-32380
- Matsuura, T.**, Shinzaki, T. On the simultaneous approximation of three characteristics 1-45173
- Matsuura, T.** *see* Sumi, Y. 1-53526
- Matsuyama, S.** *see* Yanase, T. 1-46453
- Matsuyama, Y.** A binary noise primitive channel 1-33459
- Matsuyama, Y.** Speech compression systems using a set of inverse filters 1-33595
- Matsuyama, Y.** Mismatch robustness of linear prediction and its relationship to coding 1-39549
- Matsuzaki, E.** *see* Kamei, T. 1-28145
- Matsuzaki, M.** *see* Nonaka, S. 1-35195
- Matsuzawa, K.** *see* Akimoto, Y. 1-43787
- Matsuzawa, T.**, Tomioka, H. Steep profile resist patterns through 1:1 deep UV projection printing 1-32738
- Matsveiko, A.A.** *see* Belyaev, V.V. 1-33094
- Mattana, G.** *see* Brambilla, P. 1-36693
- Mattas, R.F.** *see* Baker, C.C. 1-35016
- Mattauch, J.** *see* Binari, S.C. 1-39807
- Mattauch, R.J.** *see* Cregger, B.B. 1-40236
- Mattauch, R.J.** *see* Setzer, C.S. 1-45639
- Mattauch, R.J.** *see* Siegel, C.M. 1-40547
- Mattei, A.** *see* Tommasino, L. 1-30369
- Mattera, P.** *see* Manes, G.F. 1-36800
- Mattes, B.L.** Growth and structure of amorphous and polycrystalline thin films 1-39810
- Matteson, R.W.** *see* Rinar, G.A. 1-34594
- Matteson, S.M.** *see* Mezey, G. 1-40507
- Matteuzzi, P.** *see* Bacilieri, P. 1-38440
- Matthay, H.** *see* Degitz, H. 1-38361
- Mattheck, C.** *see* Hammel, J.W. 1-39720
- Matthes, H.** Recent experiences with the improved EGP-10-1 tandem at Rossendorf 1-43193
- Matthes, H.** *see* Heime, A. 1-33161
- Matthes, J.** *see* Waluszyk, W. 1-33129
- Mattheus, W.H.A.** 400 V switches for subscriber line interface 1-33897
- Matthews, D.** *see* Chadwick, H. 1-47607
- Matthews, G.B.** Modular hardware block with switching capability 1-32455
- Matthews, J.L.** *see* Kinney, E.R. 1-48593
- Matthews, J.R.** The astronomy of meteor scatter [radiowave preparation] 1-46896
- Matthews, J.W.** *see* Pahlavan, K. 1-29618
- Matthews, K.A.** *see* Baxter, J.V. 1-50004
- Matthews, K.M.** *see* Gregory, L.P. 1-52685
- Matthews, M.R.** *see* Cameron, K.H. 1-42275
- Matthews, N.O.** *see* Smith, L.J. 1-30501
- Matthews, P.A.**, Robinson, G.N. Multipath propagation in the urban mobile radiochannel 1-46945
- Matthews, R.R.** Nuclear safety—policy and practice 1-30889
- Matthewson, D.K.** Video report: the Sony HVS2000P effects generator 1-29901
- Matthewson, D.K.** Video/Audio input modification for the Philips N1700 VCR 1-34112
- Matthewson, D.K.** Sony HVC 2000 P colour camera 1-47816
- Matthewson, R.** *see* Lehraus, I. 1-43249
- Matthies, H.**, Payer, H.G. Elastic-plastic post-buckling behaviour of ship plating 1-39719
- Matthijse, P.** *see* Dickema, A. 1-28492
- Mattie, M.G.**, Hsiao, S.V., Evans, D.D. Wave direction measured by four different systems 1-48871
- Mattioli, M.** *see* Federici, L. 1-43268
- Mattke, W.** *see* Dehoff, A. 1-32965
- Mattocks, P.G.** *see* Melville, D. 1-28858
- Mattos, A.C.F.** *see* de Mattos, A.C.F.
- Mattsson, C.**, Bubenko, J.A., Sr. Energy management impact on community supply economics 1-44636
- Mattsson, S.** *see* Bjornstad, T. 1-48551
- Matsumita, K.**, Marutani, Y., Shino, M., Shimizu, E., Kitahama, Y. Determination method of pattern angular orientation by projection 1-48232
- Matushkin, N.I.** *see* Burtovoi, D.P. 1-38284
- Matveev, I.N.** *see* Andreev, S.A. 1-28783
- Matveev, I.N.** *see* Badikov, V.V. 1-28422, 1-28423
- Matveev, I.N.** *see* Druchevskii, V.A. 1-38198
- Matveev, S.V.** *see* Danilenko, V.N. 1-52745
- Matveev, S.V.** *see* Stepanov, E.K. 1-38463
- Matveev, V.A.** *see* Volkov, B.S. 1-52722
- Matveev, V.A.** *see* Zhurkin, V.V. 1-52721
- Matveev, V.I.** *see* Ryabov, V.M. 1-51618
- Matveev, V.P.** *see* Koltun, M.M. 1-49666
- Matveeva, G.D.** *see* Garifulina, G.I. 1-35505
- Matveyev, R.F.** *see* Gayduk, V.I. 1-32399
- Matveyev, S.N.** *see* Il'yashenko, E.I. 1-28259
- Matvienko, V.M.** *see* Didenko, A.N. 1-48558
- Matvienko, V.S.** *see* Bruer, G.G. 1-49282
- Matvietskaya, G.I.** *see* Tsirlin, Yu.A. 1-52712
- Matyas, S.M.**, Meyer, C.H., Tuchman, W.L. Initializing vector operation on plaintext 1-29282
- Matyja, H.** *see* Lisiecki, J. 1-46421
- Matysik, K.J.**, Ramos, F.G. Junction profiles of nonplanar polycrystalline Cu<sub>2</sub>S/CdS solar cells 1-53633
- Matyuk, V.F.** *see* Mel'gui, M.A. 1-32116
- Matyushkin, B.D.** *see* Goldenberg, L.M. 1-37811
- Mau, G.S.F.** A microwave model for the dual-gate GaAs MESFET 1-46179
- Maublan, H.** *see* de Maublan, H.
- Mauer, J.L.** *see* Horng, C.T. 1-32801
- Mauer, K.O.** Beam positioning systems for electron beam welding equipment 1-44541
- Mauersberger, W.** Adaptive image transform coding: a theoretic approach and approximations for simplifying the digital implementation 1-33668
- Mauersberger, W.** System and signal theoretic analysis of optimum memoryless quantizers 1-47083
- Mauersberger, W.** An analytic function describing the error performance of optimum quantizers 1-51777
- Maujean, J.-M.** Digital control of a thermal power station boiler 1-31023
- Mauldin, G.H.** Wet capacitor impregnant enhances reliability and energy storage 1-39137
- Mauldin, T.P.** *see* Hall, J.F. 1-34910
- Maurel, J.** *see* Ursenbach, F. 1-29014
- Mauri, M.**, Paraboni, A. Attenuation statistics at 11.6 GHz from satellite SIRIO after three years' activity in Italy 1-41233
- Mauri, M.** *see* Macchiarella, G. 1-33336
- Maurin, G.** *see* de Maublan, H. 1-35085
- Maurin, J.C.** *see* Grenier, Y. 1-41610
- Mauro, M.P.** *see* Izadpanah, G. 1-38119
- Maurras, J.F.**, Truempker, K., Akgul, M. Polynomial algorithms for a class of linear programs 1-44989
- Maury, C.** High track density from magnetic disk drives with an 'embedded servo' positioning system 1-40797
- Maury, S.** *see* Burg, J.P. 1-52679
- Mausbeck, H.** *see* Hennines, H.H. 1-43858
- Mausner, M.** *see* Leibson, S. 1-47384
- Maushart, R.** Development of measuring instruments for radiation protection 1-43197
- Mauthe, M.** *see* Betzl, H. 1-50549
- Mauthe, M.** *see* Klar, H. 1-27484, 1-27494, 1-40090
- Mauthe, M.** *see* Schreiber, R. 1-32331
- Mautz, J.R.**, Adams, A.T. Electromagnetic scattering from a thin rectangular plate 1-51596
- Mauzy, R.E.** *see* Archer, J.W. 1-50464
- Mavis, D.G.** *see* Barker, M.D. 1-43164
- Mavis, D.G.** *see* Dunham, J.S. 1-43168
- Mavis, D.G.** *see* Haeberli, W. 1-43150
- Mavko, G.E.** *see* Winer, I.M. 1-47993
- Mavor, J.**, Reekie, H.M., Denyer, P.B., Scanlan, J.O., Curran, T., Farrag, A. Realisation of a switched capacitor voltage wave filter 1-40142
- Mavor, J.**, Reekie, H.M., Denyer, P.B., Scanlan, S.O., Curran, T., Farrag, A. Switched-capacitor voltage-wave filter 1-32345
- Mavor, J.** *see* Arthur, J.W. 1-45443
- Mavor, J.** *see* Cowan, C.F.N. 1-32321, 1-32888, 1-45531
- Mavor, J.** *see* Denyer, P.B. 1-36688
- Mavor, J.** *see* Rafat, H.A. 1-27489
- Mavrogenes, C.S.** *see* Cho, Y. 1-42901
- Mavrogenes, G.**, James, M.B., Koontz, R.F., Miller, R.H. Beam measurements on Argonne linac for collider injector design 1-48475
- Mavrogenes, G.S.** *see* Cho, Y. 1-42872
- Mavrogenes, G.S.** *see* Khoe, T.K. 1-42892
- Mawira, A.** Statistics of rain rates, some worst-month considerations 1-28878
- Mawira, A.**, Neessen, J., Zelders, F. Estimation of the effective spatial extent of rain showers from measurements by a radiometer and a rain gauge network; prediction of rain attenuation on slant paths [satellite communications] 1-46918
- Max, E.** *see* Kuenzel, U. 1-28241
- Maxemchuk, N.F.**, Wilder, H.A. Experiments in merging text and stored speech 1-29378
- Maxey, H.D.** Optically powered and controlled electronically alterable key labeling 1-38247
- Maxfield, L.** *see* Patterson, R.P. 1-52803
- Maximovsky, S.N.**, Revocatoa, I.P., Selezneva, M.A. Photostimulated epitaxy of II-VI and IV-VI layers 1-35948
- Maximov, D.A.** *see* Chan, J.Y. 1-32250, 1-32293
- Maxwell, E.**, Shalom, A., Kelland, D.R. Particle size dependence in high gradient magnetic separation 1-37288
- Maxwell, H.R., Jr.**, Knolle, W.R. Densification of SIPOS 1-32766
- Maxwell, M.R.** *see* Murthy, D.N.P. 1-39451
- May, E.J.P.**, Mehdi, H.H. Low-noise state-space realisation of bandpass active filter 1-50546
- May, H.**, Kienzler, R. Limitations of MOS-memory cells 1-46293
- May, H.**, Mosebach, H., Weh, H. Three-dimensional numerical treatment of finite-width effects in linear motors 1-49500
- May, H.** *see* Weh, H. 1-49506
- May, M.**, Edwards, H., Harrison, M., Jagger, J., Isiminger, R. Mechanical design of Lamberton magnets for injection into the Energy Saver 1-43083
- May, M.** *see* Henriot, M.P. 1-41793
- May, M.** *see* Kerns, Q. 1-43070
- May, M.** *see* Krafczyk, G. 1-43065
- May, T.H.**, Stamm, G.L., Blodgett, J.A. Applications of digital processing to calibrated infrared imagery 1-52395
- Mayall, E.J.** *see* Guilbeau, E.J. 1-30396
- Mayata, T.**, Takakubo, Y., Watahiki, T. Improvement of the charge-transfer A/D converter accuracy 1-45588
- Mayaux, G.** *see* Benichou, J. 1-52639
- Maybeck, P.S.**, Jensen, R.L., Harnly, D.A. An adaptive extended Kalman filter for target image tracking 1-34205
- Maybeck, P.S.** *see* Kendrick, J.D. 1-34654
- Maybell, M.J.** Ray structure method for coupling coefficient analysis of the two dimensional Rotman lens 1-51690
- Maydan, D.** *see* Wang, D.N.K. 1-40669
- Mayer, A.** WKC 3830 VD: a Grundig car receiver with synthesizer station tuning 1-42394

- Mayer, A., Ferrer, J., Farre, J.R. Real-time processing of a biological signal. Case of the His bundle 1-30459
- Mayer, C.B. Torsional vibration problems and analyses of cement industry drives 1-39262
- Mayer, D. Method of co-state variables: a new network description 1-32124
- Mayer, D., Ulrych, B. Numerical calculation of ironless coil inductance 1-36369
- Mayer, D., Ulrych, B. Examination of the magnetic field of the exciting system of a magneto-hydrodynamic generator 1-39133
- Mayer, D.C., Perkins, W.E. Analysis of the switching speed of a submicrometer-gate CMOS/SOS inverter 1-40703
- Mayer, D.J. *see* Norton, J.H. 1-42168
- Mayer, F.J. Protecting the quality built into your transformer 1-39041
- Mayer, G.J. *see* Kostishack, D.F. 1-38205
- Mayer, H.A., Hog, G. New generation of nonhalogenated, flame retardant compounds and cables 1-32448
- Mayer, I. The application of operators formalism for the calculation of quasi-steady states and for the harmonic analysis of inverter currents 1-44223
- Mayer, J. Failure processes: mathematical models and coherence. III 1-39468
- Mayer, J. *see* Deak, I. 1-48933
- Mayer, J. *see* Wiggall, M. 1-37825
- Mayer, J.L. *see* Gradman, A.H. 1-48728
- Mayer, J.W. *see* Chu, W.K. 1-50824
- Mayer, J.W. *see* Lau, S. 1-36524
- Mayer, L., Barbieri, S. Characteristics of acid copper sulfate deposits for printed wiring board applications 1-40310
- Mayer, M. *see* Lalicica, F. 1-37840
- Mayer, N., Sand, R. Digital processing of composite colour signals—Separation into components and reconstitution without loss of quality 1-34034
- Mayer, N., Sand, R. Digital processing of composite colour signals. Separation into components and reconstitution without loss of quality 1-51812
- Mayer, R., Minatti, N. Performance of a superconducting 65-cell-structure in X-band [for accelerator application] 1-42834
- Mayer, T.M. *see* Smolinsky, G. 1-32770
- Mayergoyz, I. *see* Grossmann, J.M. 1-42817
- Mayes, P.E., Cwik, T. The hybrid slot, a low-profile energy-density antenna 1-29021
- Mayes, R. High performance speeds plotting in R&D situations 1-34313
- Mayinger, F. *see* Hennies, H.H. 1-43859
- Maynard, G.S. Q-multiplier and spiral loop antenna 1-29038
- Maynard, J.D. *see* Roth, J.A. 1-27584
- Mayne, A.J. *see* Edge, S.W. 1-37761
- Mayne, D.Q., Polak, E., Heunis, A.J. Solving nonlinear inequalities in a finite number of iterations 1-35880
- Mayniel, H. *see* Las Vergnas, M. 1-50208
- Mayo, J.W. *see* Landgrebe, A.R. 1-31408
- Mayo, R. Surface-acoustic-wave devices in electronic systems 1-40768
- Mayo, R.H. Surface acoustic waves 1-32927
- Mayo, W.R. *see* Walker, R.S. 1-42345
- Mayr, A. Characteristics of operation of nuclear power stations compared with conventional power stations 1-30876
- Mayr, M., Risken, H., Vollmer, H.D. Periodic and chaotic breathing of pulses in a ringlaser 1-28743
- Mayrogenes, G., Gallagher, W.J. Investigation of the disc-and-washer structure 1-43085
- Mayron, H. *see* Lindsey, D.E. 1-31888
- Mays, I.D., Holmes, B.A. Developing the variable geometry vertical axis wind turbine for production 1-49391
- Maysov, V.M. *see* Popov, V.P. 1-32831
- Mayya, Y.S. *see* Kotrappa, P. 1-52700
- Mazaika, P.K. Orientation of measurement sensors for optimum end-of-life performance 1-34660
- Mazaki, H. *see* Kurakado, M. 1-48587, 1-48588
- Mazandarany, F.N. *see* Asher, J.A. 1-31407
- Mazandarany, F.N. *see* Browall, K.W. 1-31439
- Mazarakis, M.G., Berry, G.H., Colton, E.P.  $\text{Xe}^{+n}\text{-Xe}^{+n}$  charge exchange experiment using a split-beam and beam intersection technique 1-43094
- Mazarskii, V.L. *see* Golovanov, L.B. 1-30307
- Mazataud, E. *see* Fleuret, N. 1-34479
- Mazavin, S.M. *see* Andreev, A.Ts. 1-28478
- Maziewski, A. The magnetic domain structure in low anisotropy epitaxial garnet films 1-46402
- Mazin, V.D. Method for raising the precision of measuring instruments and transducers 1-38076
- Mazo, J.E. Analysis of decision-directed equalizer convergence 1-29042
- Mazumder, B.C. *see* Saha, A.R. 1-27364
- Mazumder, M.K., Wanchoo, S., McLeod, P.C., Ballard, G.S., Mozumdar, S., Caraballo, N. Skin friction drag measurements by LDV 1-52603
- Mazumder, M.K. *see* Renninger, R.G. 1-30265
- Mazur, A., Pollmann, J., Schmeits, M. Electronic structure of segregated Ge-(110)GaAs overlayer systems 1-27853
- Mazur, B.A., Taylor, D.P. Demodulation and carrier synchronization of multi-h phase codes 1-29067
- Mazur, G., Carrier, R., Ranade, S.T., Wess, T. Converter control and protection of the Nelson River HVDC Bipole 2 commissioning and first year of commercial operation 1-38732
- Mazur, J. *see* Bak, J. 1-53774
- Mazur, M.M. *see* Zhokhov, V.Z. 1-45910
- Mazur, P. *see* Bedeaux, D. 1-28358
- Mazur, U. *see* Hipps, K.W. 1-32790
- Mazurek, B., Cross, J.D., Srivastava, K.D. Point-to-plane breakdown in vacuum at cryogenic temperatures 1-32526
- Mazurek, B. *see* Juchniewicz, J. 1-32907
- Mazurek, W. *see* Masnik, W. 1-38892
- Mazurenko, S.N. *see* Basov, Yu.G. 1-31649
- Mazurov, V.-. *see* Gorbatshev, S.V. 1-30218
- Mazuruk, K. *see* Bryskiewicz, T. 1-50302
- Mazzei, U. *see* Buzzelli, S. 1-29350
- Mazzer, M.A. *see* Zavodny, A.T. 1-48889
- Mazzoldi, A. *see* Dalla Porta, F. 1-52777
- Mazzone, A.M., Rees, H.D. Transferred-electron oscillators at very high frequencies 1-45638
- Mead, C.N. *see* Clark, K.W. 1-52786
- Meade, R.A. *see* Rogers, W.A. 1-31633
- Meador, J.S. *see* Pickett, D.F. 1-31435
- Meadows, W.S. *see* Hillier, W.E. 1-36400
- Meads, F., Jr. On the multimode injection of high-power beams into an accumulator ring 1-43064
- Meagher, R.E. *see* Mansuria, M.S. 1-50014
- Meakin, J.D. *see* Hall, R.B. 1-44354
- Meakin, J.D. *see* Rothwarf, A. 1-44384
- Mealing, A.W. The introduction of an automatic standby AC power plant for rural telephone exchanges 1-43974
- Mealy, G.L., Lee, J.G., Acharya, N.A. Power system dynamic modeling and state estimation 1-48981
- Mealy, G.L. *see* Tang, W. 1-52901
- Meares, L.G. Flux-balanced variable frequency inverter 1-53541
- Mears, C.L., Batchman, T.E. Low noise amplifiers for optical heterodyne receivers 1-41020
- Mechev, V.S., Slobodyanyuk, V.S., Jamsonov, M.A., Engel'sht, V.S. Electromagnetic forces in the welding arc 1-44535
- Meckliff, C.C., Boardman, J.T. Circuit optimisation algorithm for electrical networks using dynamic contingency analysis 1-43632
- Mecklenbrauer, V.F.G. *see* Claassen, T.A.C.M. 1-33631, 1-37499, 1-37592, 1-45240
- Mecklenburg, R. *see* Pfeifer, T. 1-31895
- Medan, C. *see* Michel, P. 1-35529
- Medaugh, R.S., Griffiths, L.J. A comparison of two fast linear predictors 1-37614
- Medeiros Filho, F.C., Jayasuriya, D.A.R., Cole, R.S. Probability distribution of amplitude scintillations on a line-of-sight link at 36 GHz and 56 GHz 1-37304
- Medeiros Filho, F.C. *see* Jayasuriya, D.A.R. 1-46933
- Medford, L.V., MacLennan, C.G., Rosenfeld, P.E., Lanzerotti, L.J., Acuna, M.H. Low-power portable geophysical data acquisition system and its use in geomagnetic measurements 1-38582
- Medford, L.V., Meloni, A., Lanzerotti, L.J., Groggi, G.P. Geomagnetic induction on a transatlantic communications cable 1-33912
- Medgyesi-Mitschang, L.N. *see* Shaeffer, J.F. 1-41292
- Medhaffer, K. *see* Boussin, J.L. 1-31382
- Medicherla, T.K.P. *see* Billinton, R. 1-43564, 1-48957
- Medin, S.A. *see* Bazarov, G.P. 1-53693
- Meditch, J.S. Optimal capacity assignment in message-switched networks subject to end-to-end delay constraints 1-29243
- Meditch, J.S., Gorecki, F.D. Minimum hop flow assignment and routing in computer-communication networks 1-29444
- Medko, B.V. *see* Zhdanov, I.M. 1-39243
- Medley, M. *see* Besser, L. 1-45657
- Medlock, R.S. Future trends in measurement, control and automation 1-47869
- Mednikov, E.I. The steps in the scale of cross-section areas of conductors and cables 1-43695
- Medrano, L.G. Series-parallel conversion with detection of overloading and reading time 1-37515
- Medved, F. Frequency converter 'FRAM' for control of induction motors 1-49443
- Medvedev, A.F. *see* Nikitin, M.M. 1-48291
- Medvedev, Yu.V. *see* Akhmanov, V.B. 1-34357
- Medvedeva, R.L., Puzryeva, O.B., Ostrovskaya, V.M. A rapid method for the semiquantitative determination of copper content by means of reactive indicator paper 1-43886
- Medvedkin, G.A., Podolskii, V.V., Rud', Yu.V. Influence of an external voltage on the polarization characteristics of p-n junctions made of  $\text{CdSnP}_2$  1-37038
- Medvedkin, G.A., Rud', Yu.V. Polarization-controlled inverter of the sign of the photocurrent in anisotropic semiconductors 1-33112
- Medvedkin, G.A., Rud', Yu.V. Photoresponse anisotropy in an isotropic semiconductor 1-42627
- Medvedkin, G.A. *see* Rud', Yu.V. 1-34298
- Meeberg, L.v.d. *see* v.d. Meeberg, L.
- Meehan, S.J. *see* Carhoun, D.O. 1-33555, 1-41519, 1-47137
- Meehan, W.J., Bates, J.F. Computerized auxiliary electric system design and analysis 1-43616
- Meekes, M.A.A.M. *see* Goovaerts, H.G. 1-42523
- Meeks, M.L., Reed, R.W. Multiple diffraction effects in VHF propagation 1-46922
- Meer, D.E. *see* Robinson, S.R. 1-29616, 1-33661
- Meer, S.van der *see* van der Meer, S.
- Meerbaum, S. *see* Garcia, E. 1-52771
- Meerbergen, J. *see* Van Meerbergen, J.
- Meerovich, E.A., Saparov, A.I., Chal'yan, K.M., Kukhtikov, V.A., Bazykin, R.V., Timonin, V.K. Study of electromagnetic transients in phase-by-phase screened current conductors 1-43681
- Meese, W.J., Beausoliel, R.W. Evaluation of electrical connections for branch circuit wiring 1-40290
- Megahed, R. *see* Sofrata, H. 1-53799
- Megill, N.D. TDRs profile impedances of backplanes and PC boards 1-47880
- Megill, N.D. Simple pull-up technique reduces test fixture noise 1-52345
- Meguro, T., Kurita, H., Itoh, T. Evaluation of the pinhole density in  $\text{SiO}_2$  film by plasma etching 1-46071
- Meguro, T. *see* Shibayama, K. 1-28200
- Meguro, T. *see* Yamanouchi, K. 1-32940
- Mehdi, H.H. *see* May, E.J.P. 1-50546
- Mehdi, I.S. Will power-by-wire replace power-by-hydraulics? [aircraft flight control] 1-52884
- Mehendru, P.C., Agrawal, J.P., Jain, K., Warrior, A.V.R. The effect of doping on the dielectric relaxations of polycarbonate thin films 1-32894
- Mehendru, P.C. *see* Radhakrishnan, S. 1-35972
- Mehlhorn, H. *see* Bruckner, H. 1-49841
- Mehmedovic, M., Jurkovic, N., Marincic, P. Behaviour of synchronous machine during the static frequency converter starting 1-53393
- Mehra, R.K., Eterno, J.S. Model algorithmic control for electric power plants 1-31041
- Mehra, R.M., Agarwal, S.C., Rani, S., Shyam, R., Mathur, P.C. Conduction mechanism in amorphous Si films 1-40422
- Mehravari, N. *see* Berger, T. 1-37674
- Mehrotra, K.G. *see* Hartmann, C.R.P. 1-33549
- Mehta, D.B., Eapen, A. Socio-economic, technical and institutional aspects of rural electrification in a developing country 1-43574
- Mehta, M.B. *see* Ketkar, A.V. 1-44030
- Mehta, N. *see* McCready, L. 1-51807
- Mehta, S.K., Sengupta, S. Mixed field dosimetry with  $\text{Al}_2\text{O}_3(\text{Si,Ti})$  thermoluminescent phosphor 1-52818
- Mei, K.K. *see* Coen, S. 1-43459
- Mei Len *see* Len Mei
- Mei-Ling Ting *see* Block, H.W. 1-50133
- Meier, E. Review of small transformers design 1-44141
- Meier, E. A simple method of calculation for matching turbochargers 1-49310
- Meier, E. *see* Gammel, G. 1-48426
- Meier, F. *see* Krahenbuhl, P. 1-53751
- Meier, H.E. Circuit board testing 1-32491
- Meier, H.E. Testing printed circuitry 1-36397
- Meier, H.E. Embedded reference or voltage plane for metallized ceramic substrate 1-40315
- Meier, K.L., Girrens, S.P., Dickinson, J.M. Titanium heat pipes for space power systems 1-30518
- Meier, P.J., Breuer, K.D., Cohen, L.D., Worontzoff, N., Lepore, J., Gunther, J. Channelized receiver covering 26 to 60 GHz with planar integrated-circuit components 1-47735
- Meier, R. *see* Afili, M. 1-51732
- Meier-Hirmer, R., Reichert, T., Kupfer, H. Critical current density and superconducting parameters  $T_c$ ,  $H_{c2}$ , and  $\kappa$  in neutron-irradiated and annealed  $\text{V}_3\text{Si}$  1-28301
- Meierer, R. *see* Tisornis, C. 1-40582
- Meignand, D. Reliability study of GaAs MESFETs at high frequencies 1-36616
- Meijer, G.C.M. *see* de Haan, G. 1-34277
- Meijer, W.J.H., Bergveld, P. The simulation of the abdominal MECG 1-30444
- Meijer, W.J.H. *see* Bergveld, P. 1-30443
- Meijler, F.L. *see* Herbschleb, J.N. 1-48737
- Meikle, A.G., Moore, R.S. In-line data transmission monitor 1-41962
- Meiksin, Z.H., Dolny, G.M. Finite element study of punch-through in short channel MOSFETs 1-40621
- Meindl, J.D., Ratnakumar, K.N., Gerzberg, L., Saraswat, K.C. Circuit scaling limits for ultra-large-scale integration [MOS technology] 1-28125
- Meindl, J.D. *see* Chau-Chun Lu, N. 1-32609, 1-40632
- Meindl, J.D. *see* Gerzberg, L. 1-28083
- Meindl, J.D. *see* Knutti, J.W. 1-34595

- Meinel, H. *see* Adelseck, B. 1-36323
- Meinel, H. *see* Reinhold, G. 1-47555
- Meiners, L.G., Wieder, H.H. Charge-carrier transport in semi-insulating InP surface layers 1-27826
- Meinhardt, T. *see* Pommerrenig, D.H. 1-47969
- Meinke, K. *see* Kutschera, J. 1-43352
- Meir, O. *see* Dagan, J. 1-34624
- Meir, P. Earth leakage protection. II. Current operated e.l.c.bs 1-39079
- Meirhaeghe, R.L. *see* Van Meirhaeghe, R.L.
- Meiri, A.Z., Porat, B. Nonlinear estimation of generalized vector shot processes 1-47172
- Meisenburg, R., Radlbeck, W. Digital VHF-electronics for a broadband communication system 1-29780
- Meisner, K. *see* Owen, C.W. 1-48346
- Meissner, K.-J. *see* Eberle, G. 1-35435
- Meister, G. State and trends of the precision measuring technique in the range of the physical limits of the measurability. I 1-47862
- Meister, G. The state and tendency of precision measurement techniques and physical limits of measurability. II 1-52317
- Meister, W.A. *see* Harvilchuck, J.M. 1-27945
- Meitlis, I. *see* French, R.L. 1-31121
- Meizhen Shao *see* Shao Meizhen
- Mekerta, S. *see* Guillon, P. 1-40222, 1-45617
- Mekhtiev, A.Sh. *see* Ismailov, T.K. 1-42623
- Melamed, B. *see* Beutler, F.J. 1-37391
- Melamed, I.I. *see* Gabovich, Ye.Ya. 1-35830
- Melas, N. Microwave chip capacitors fundamentals and technology 1-40244
- Melchart, G., Charpak, G., Sauli, F., Petersen, G., Jacobs, J. The multistep avalanche chamber as a detector for thermal neutrons 1-48615
- Melchart, G. *see* Charpak, G. 1-34469
- Melcher, J.R. *see* Radun, A.V. 1-34909
- Meldizon, A. *see* Maczka, D. 1-52659
- Meldrum, S.J. *see* Macpherson, P.C. 1-30414
- Mele, P.J. *see* Avazian, J.F. 1-50017
- Meledin, G.F. Standardless calibration of the sensitivity of an electromagnetic thickness gauge 1-38186
- Melekhin, A.N., Sokolov, L.K. The results of commercial use of the oil heating control system using the viscosity signal 1-35054
- Melen', M.V., Shklyarskii, V.I. Bipolar pulse shaper-amplifier 1-50436
- Melen, R. A new generation control system at SLAC 1-42906
- Melen, R. The PEP instrumentation and control system 1-48470
- Melen, R.D. *see* Chong-Cheng Fu 1-30579
- Melen, R.E. *see* Richter, B. 1-42876
- Melendez, R. *see* Briggs, R.J. 1-48400
- Meleshko, A.N. *see* Komarov, S.A. 1-33284
- Melford, N.J. Computer-aided management of an electricity distribution system 1-53034
- Mel'gui, M.A., Ivanov, F.D., Shidlovskaya, E.A., Matyuk, V.F., Merkalov, V.A. Monitoring the mechanical properties of longeron hot-rolled 30T steel strip 1-32116
- Mel'gui, M.A., Piuov, V.D. Dependence of the gradient of residual magnetic field intensity on the dimensions of the inspection piece and on the mode of its magnetization 1-35999
- Melheim, C. *see* Maquisi, M. 1-34097
- Melillo, L., Raj, K. Ferrofluids as a means of controlling woofer design parameters 1-29926
- Melin, A. *see* Cockerill, D. 1-43233
- Melindo, F. *see* Girardi, G. 1-29557
- Meliopoulos, A.P., Webb, R.P., Joy, E.B. Analysis of grounding systems 1-30810
- Meliopoulos, A.P., Webb, R.P., Joy, E.B. Computer simulation of faulted URD cables: analysis and results 1-38747
- Meliopoulos, A.P., Webb, R.P., Joy, E.B. Computer simulation of faulted URD cables: analysis and results 1-38757
- Meliopoulos, S.P. Computer-aided instruction of energy source utilization problems 1-44615
- Meliss, M. Regenerative energy sources 1-38844
- Mel'kanovich, A.F. Generation of echo pulses having a prescribed waveform by means of piezoelectric transducers 1-38623
- Mel'kanovich, A.F., Kushkulei, L.M., Pyabus, G.V. Spectral characteristics of the electroacoustic section of devices using a shock-excited oscillator 1-38624
- Mel'kin, A.A., Kopli, V.A. Possibility of using halogen lamps in surgical light sources 1-30467
- Mell, H. *see* Beyer, W. 1-45952
- Meller, R. *see* Billing, M. 1-42862
- Meller, R. *see* Rice, D. 1-42989
- Meller, R. *see* Seeman, J. 1-43023
- Meller, R. *see* Sundelin, R. 1-43084
- Meller, R.E., Siemann, R.H. Coherent normal modes of colliding beams 1-42985
- Melliard-Smith, C.M. *see* Barns, R.L. 1-36937
- Melliard-Smith, P.M. *see* Schwartz, R.L. 1-37770
- Mello, A.A. High-speed electronic test circuit for MCP modules 1-44677
- Mello, F.P. *see* de Mello, F.P.
- Mello, L.A. Campos *see* Campos Mello, L.A.
- Mellor, F. *see* Sproule, D.E. 1-33800
- Mellor, T.W. *see* Prince, E.A. 1-53564
- Mellot, J. *see* Le Mellot, J.
- Melman, P., Carlsen, W.J. Interferometric measurement of time-varying longitudinal cavity modes in GaAs diode lasers 1-51434
- Melman, P., Carlsen, W.J. Interferometric measurement of temporal coherence and time-varying longitudinal-mode wavelengths in GaAs diode lasers 1-51481
- Melngailis, I. Narrow-gap semiconductor detectors and lasers 1-37097
- Melngailis, I. *see* Leonberger, F.J. 1-28431
- Melnick, W. *see* Brindle, J. 1-30208
- Mel'nik, I.V. *see* Nesterova, Z.V. 1-28786
- Mel'nik, N.I. *see* Bakanovich, E.A. 1-36310
- Mel'nik, V.P. *see* Scherbina, Yu.V. 1-43494
- Melnik, V.P. *see* Shcherbina, Yu.V. 1-43501
- Melnik, V.T. Controlled reactor for digital-analog physical package in power system investigation 1-49163
- Mel'nikov, A.N. *see* Dyubua, P. 1-38591
- Mel'nikov, F.F. Control and protection of three-phase symmetric mains from asymmetric operating conditions 1-34941
- Melnikov, G.V. *see* Didenko, A.N. 1-46664
- Mel'nikov, I.V. Use of vector-difference transducers for electromagnetic structuroscopy of steel balls under static and dynamic conditions 1-45153
- Mel'nikov, N.S., Razuvaev, E.A., Semenov, V.K. Distribution of coordinates of centers of gravity of electromagnetic showers in hodoscopic spectrometers 1-30317
- Mel'nikov, N.S. *see* Vasil'chenko, V.G. 1-50731
- Mel'nikov, N.S. *see* Vishnevskii, N.K. 1-30377
- Mel'nikov, R.V. *see* Zhdanov, I.M. 1-39243
- Mel'nikov, V.D., Sevast'yanov, B.N. Sampling differentiating converter 1-50603
- Mel'nikov, V.I., Rovnov, S.F. Device for recording form of repeating pulses 1-30166
- Mel'nikov, Yu.F., Pastukhov, A.A. Thyristor converter for traction substation in a mine 1-49747
- Mel'nikov, Yu.M., Petrova, V.G., Borisov, N.N. Interference screening of radio relay antennas 1-37379
- Melo, J.C., Garrote, M.C. False synchronization in TDM 1-29248
- Meloni, A. *see* Medford, L.V. 1-33912
- Meloni, F. *see* Baldareschi, A. 1-27830
- Melot, J.-P. *see* Damerell, C. 1-38450
- Melsa, J.L., Cohn, D.L., Kreske, J., Arora, A., Pande, A. A waveform encoder for speech transmission over 9.6 KB/s noisy channels 1-29366
- Melsa, J.L., Pande, A.K. Mediumband speech encoding using time domain harmonic scaling and adaptive residual coding 1-37477
- Melsa, J.L. *see* Cohn, D.L. 1-33597, 1-41579
- Melton, H.E., Jr. Parallel-focusing and speckle reduction in medical ultrasonic imaging 1-38505
- Melville, D., Rayner, D.L., Khan, W.I., Matlocks, P.G., Al-Rawi, K.M. Copper-steel composites for generating intense pulsed magnetic fields 1-28858
- Melvin, D.K. Single frequency signaling: a new way to perform an old function [LSI chip] 1-52011
- Melvold, D.J., Miske, S.A. Surge arrester application considerations for 230 kV cable circuits 1-49158
- Memmert, G. *see* Levi, H.W. 1-30920
- Memmi, G. *see* Martin, R. 1-42101
- Menarquez Abella, J. *see* Figuera De Vargas, J.F. 1-38852
- Mende, F.F., Spitsyn, A.I., Dubrov, N.N. Effect of surface impedance anisotropy waveguide and resonator parameters 1-37352
- Mende, G. Ion implantation influence on the anodic oxidation rate of silicon 1-36571
- Mendecki, J. *see* Paglione, R. 1-34637
- Mendecki, J. *see* Paglione, R.W. 1-48749
- Mendel, C.W., Jr. *see* VanDevender, J.P. 1-33376
- Mendel, E. *see* Burdick, R.D. 1-32765
- Mendel, E. *see* Finkeldie, F.J. 1-27900
- Mendel, E. *see* Holley, B.R. 1-27898
- Mendelovitz, A. *see* Mendelovitz, E. 1-51739
- Mendelovitz, E., Oestreich, E.T., Mendelovitz, A. Angle of arrival performance bounds in an interfering environment [antenna arrays] 1-51739
- Mendelsohn, A.J., Normandin, R., Harris, S.E., Young, J.F. A microwave-pumped XeCl\* laser 1-33174
- Mendelsohn Ytrehus, A., Haave, B. Training in problem solving methods by laboratory experiments 1-44613
- Menders, J. *see* Diels, J.-C. 1-28676
- Mendez, J.A. *see* Bescos, J. 1-41807
- Mendez, M. *see* de Mendez, M.
- Mendiratta, R.G. *see* Rao, K.H. 1-40415
- Mendolia, J. *see* Lemoine, D. 1-32638
- Mendonca, M. *see* Alvarez, R.A. 1-28411
- Mendyk, J. *see* Przyluski, J. 1-49703, 1-53621
- Meneghetti, J. *see* Avery, R. 1-42826
- Menemenlis, C. *see* Kosztaluk, R. 1-43736
- Menemenlis, N. *see* Ooi, B.T. 1-34844
- Menez, J., Galiano, J.F., Galand, C. Comparative study of 16 kbps adaptive predictive coders 1-41559
- Menezes, S., Lewerenz, H.J., Thiel, F.A., Bachmann, K.J. Electrolyte-oxide-semiconductor junction at the p-InP/V<sup>2+</sup>-V<sup>3+</sup> interface 1-36542
- Menezes, S., Schneemeyer, L.F., Lewerenz, H.J. Efficiency losses from carrier-type inhomogeneity in tungsten diselenide photoelectrodes 1-40988
- Meng, R.L., Huang, S.Z., Chu, C.W. Corrosion resistant alloys Mo-Ru-X (X=Fe, Co, and Ni) 1-27158
- Menga, P. *see* Taschini, A. 1-39159
- Mengali, U., Pirani, G. Timing jitter growth in a chain of regenerative repeaters for optical fibre transmissions 1-29730
- Mengali, U. *see* Luvison, A. 1-29729, 1-47684
- Mengoli, G. *see* Cucchi, S. 1-42128
- Menhennett, J.R. *see* Maiden, D.W. 1-36197
- Menil, R. *see* De Leeuw, S. 1-38439
- Menkes, H.E. A stored-program controlled TRI-PORT UPS 1-42234
- Menna, R.J. *see* Kumar, M. 1-45693
- Menon, K.V. *see* Eidinger, A. 1-49592
- Menon, P.R. *see* Levendel, Y.H. 1-36212
- Menrad, R. *see* Toussaint, G.T. 1-44905
- Mensa, D. *see* Wade, G. 1-30420
- Menschikov, A.A. Design of the output transformer for a thyristor unipolar current-pulse generator 1-45333
- Men'schikov, V.A. *see* Kadochnikov, A.I. 1-36010
- Menshchikova, L.V. *see* Khokhlov, Yu.I. 1-39225
- Menshikov, I.I. *see* Venikov, N.I. 1-48456
- Men'shov, B.G., Al'shuler, E.B., Shinaev, A.G. Determining the parameters of the gradient structure of permafrost when designing earthing systems 1-34931
- Mensing, R. *see* Dietrich, B. 1-45884
- Menth, A., Streit, P. Present state and development potential of solid-state varistors 1-27629
- Menyuk, N., Killinger, D.K. Temporal correlation measurements of pulsed dual CO<sub>2</sub> lidar returns 1-37972
- Menyuk, N. *see* Killinger, D.K. 1-47745, 1-48865
- Menz, H. Sound output for electronic instruments [electronic music] 1-47834
- Menzefricke, U. Bayesian clustering of data sets 1-35771
- Menzefricke, U. A decision-theoretic approach to variable selection in discriminant analysis 1-44854
- Menzel, H.G. *see* Elrod, J.W. 1-38790
- Menzel, W. *see* Itoh, T. 1-28976
- Menzies, D.R. *see* Inculat, I.I. 1-37274
- Menzies, G.D.M. Treatment of copper surfaces in printed circuit manufacture 1-27689
- Menzies, R.W. *see* Gole, A.M. 1-44201
- Menzione, A. *see* Amendolia, S.R. 1-43238
- Meot, F. *see* Bossart, R. 1-48473
- Mercer, H.D. *see* Younse, J.M. 1-26958
- Mercer, R.L. *see* Bahl, L.R. 1-29127, 1-29128, 1-29130, 1-41602, 1-41607
- Mercer, R.L. *see* Nadas, A. 1-41603
- Mercereau, J.E. *see* Ben-Zvi, I. 1-48428
- Mercereau, J.E. *see* Delayen, J.R. 1-28412
- Mercereau, J.E. *see* Yogi, T. 1-28291
- Merchant, G.A., Parks, T.W. Inverse filtering for systems with unit circle zeroes 1-37602
- Merchant, J. Application of exact area registration to scene matching 1-47960
- Merches, M., Wallace, W.E., Craig, R.S. Magnetic and structural characteristics of some 2:1 rare earth-cobalt systems 1-51079
- Mercier, B., Osborn, J., Rappaz, J., Raviart, P.A. Eigenvalue approximation by mixed and hybrid methods 1-39701
- Mercier, D. *see* Reed, C.G. 1-48804
- Mereanu, A. The improvement of the dynamic condition mechanical characteristic of three phase induction motors 1-53429
- Meredith, B. *see* McCandless, W. 1-29349
- Meredith, D., Witmer, E.A. A nonlinear theory of general thin-walled beams 1-39634
- Merenda, P. *see* Servet, B. 1-27179
- Merenkov, V.N. *see* Grudinskii, M.A. 1-41720
- Meretz, W. The calculation of remote-supply distribution networks in the functional unit technique [broadband communications telephone transmitting equipment] 1-29339
- Mereur, J.N. Interface units in digital switching: technological and functional evolution 1-42059
- Mergerian, D., Malarkey, E.C. Integrated-optic spectrum analyzer: current status 1-42581
- Mergerian, D., Malarkey, E.C., Pautienus, R.P., Bradley, J.C., Kellner, A.L., Mill, M.D. Guided wave optics RF spectrum analyzer 1-46568
- Merhaut, J. Theory of electroacoustics 1-44593
- Meric, P., Bronner, B., Correze, J.L., Seylaz, J. Stability of gamma ray detectors and measurement of blood flow by isotope clearance 1-30417
- Mericle, R.G., Perry, L.D. Input/output cable attachment assembly 1-40285
- Merikoski, J.K. On operator norms of submatrices 1-39488
- Merja, C.L. *see* Lindberg, E.E. 1-50965
- Merkalov, V.A. *see* Mel'gui, M.A. 1-32116
- Merkhalev, S.D. *see* Davydova, L.I. 1-34923

Merkulov, A.E. *see* Bagdasarov, R.E. 1-36082  
Merkulov, V.V., Shishlov, A.V. Directive gain of three-dimensional phased array antennas 1-47028  
Merlin, A. State of the art of use of computer aids for decision-making in control centres 1-30633  
Mermelstein, P. *see* Rubin, P. 1-51801  
Mermikides, M.E. Data analysis for bubble chamber and hybrid systems 1-48653  
Mero, L. An optimal line following algorithm 1-51857  
Merren, G.T. Dormant storage reliability assessments-data based 1-44767  
Merrick, D., Lessard, R.D., Giramonti, A.J. Compressed air energy storage using coal-fired fluidised bed combustors: a preliminary evaluation 1-49302  
Merrick, D. *see* Giramonti, A.J. 1-31057  
Merrick, D. *see* Holmes, J. 1-49296  
Merrick, G. The Space Shuttle 1-48770  
Merrill, P. *see* Leemann, B.T. 1-43073  
Merrill, R.B. *see* Terman, L.M. 1-28130  
Merrill, W., Leininger, G. Identification and dual adaptive control of a turbojet engine 1-52922  
Merritt, C.R. *see* Allen, G.W. 1-45842  
Merritt, F.R. *see* Henry, C.H. 1-46738  
Merritt, N. PPM and BS9000/CECC 1-39426  
Merritt, R.P. *see* Aspnas, J. 1-39027  
Merritt, R.P. *see* Aspnas, J.D. 1-39038  
Mersch, S.H., Harris, J.S., Mullen, D.L. Profiling focused CO<sub>2</sub> high energy laser (HEL)  $\mu$ sec pulses with a pyroelectric vidicon camera 1-46768  
Mersch, S.H., Harris, J.S., Mullen, D.L. Imaging CO<sub>2</sub> high energy laser  $\mu$ sec pulses with a pyroelectric vidicon camera 1-47950  
Mersereau, R.M., Seay, T.S. Multiple access frequency hopping patterns with low ambiguity 1-47174  
Mersereau, R.M. *see* Schafer, R.W. 1-29177  
Mersereau, R.M. *see* Speake, T.C. 1-41766, 1-41767  
Mertens, J.-F., Zamir, S. Incomplete information games with transcendental values 1-44821  
Mertens, K. *see* Kaltschmidt, G. 1-30430  
Mertzios, B.G. *see* Paraskevopoulos, P.N. 1-45170  
Merwe, D.G. Van der *see* Van der Merwe, D.G.  
Merx, W. *see* von Essen, R. 1-52787  
Merz, E. Will nuclear power become acceptable only as a result of an energy crisis? 1-30867  
Merz, J.L. *see* Mizuta, M. 1-36454  
Merz, L. The dual face of reactor safety 1-53197  
Merz, W., Dixon, R., Harrison, M., McCarthy, J. Large dynamic range beam profile measurement in a high background environment 1-42971  
Merzlyakov, N.S. *see* Yaroslavskii, L.P. 1-49862  
Mes, H. *see* Hargrove, C.K. 1-43237  
Mesaros, V., Poliacik, I. Generation of stimulated emission on a dye 1-28667  
Mesarovic, M. Reliability theory of large systems as applied to electrical engineering 1-35664  
Mescua, J. *see* Fischl, R. 1-49056  
Mese, E.D. *see* Giulii, D. 1-52927  
Mesenzhnik, Ya.Z. Solution of non-linear problems of calculation of the electrical characteristics of cables submerged in wells 1-41931  
Meshcherskii, N.N., Karvitskii, S.M., Gol'dberg, R.D., Ibragimov, R.R. An amplifier for volt-ampere-phase indicator type VAF-85 (M) 1-42639  
Meshkov, A.M. *see* Vinnikov, A.Ya. 1-27814  
Meshkov, A.N. *see* Gromov, E.A. 1-27351  
Meshkov, I. *see* Kells, W. 1-48527  
Meshkovskii, I.K. *see* Aliev, F.M. 1-33093  
Meshkovskii, I.K. *see* Gritsevskii, E.A. 1-36598  
Mesli, N. *see* Grob, A. 1-36557  
Mesmaeker, I. De *see* De Mesmaeker, I.  
Messenger, P., Cronshaw, K., Cunningham, C., Deuse, M. A distribution system for rural zones with low consumption rate 1-49098  
Messenger, P., Thibon, D. Models and theoretical laws of the development of distribution systems: examples of applications 1-49096  
Messale, E. *see* Morselli Labate, A.M. 1-50371  
Messemer, G. *see* Dolensky, B. 1-46480  
Messer, H., Gilboa, H., Bar-Ness, Y. SAW time scaling techniques 1-40769  
Messer, H. *see* Bar-Ness, Y. 1-38259  
Messlerle, H.K. *see* Trung, D.T. 1-53690  
Messerschmidt, E., Dodel, H. Concepts for satellite-aided maritime distress call systems 1-29706  
Messerschmidt, D., Li, W.H., Chi-Foon Chan, Vernia, C. Programmable processor for speech synthesis 1-41530  
Messerschmitt, D.G. Adaptive balancing of hybrids in telephony 1-52035  
Messerschmitt, D.G. *see* Chu, P.L. 1-37462  
Messerschmitt, D.G. *see* Honig, M.L. 1-37497, 1-37608  
Messier, R. *see* Krishnaswamy, S.V. 1-40405  
Messier, R.F. *see* Kardauskas, M.J. 1-45982  
Messina, G. *see* Faro, A. 1-28004, 1-29440, 1-47402  
Messinger, B.J. *see* Owen, J.F. 1-36881  
Messner, B. As to the design by calculation of SC filters 1-45492  
Mestdagh, D. *see* Fullwood, L. 1-27702  
Mester, A. *see* Beldiman, C. 1-32286  
Mester, A. *see* Ispas, I. 1-40560  
Mestre, J. A detector for the circulation of toy trains 1-27550  
Mesuda, E. *see* Kawasaki, T. 1-52332  
Mesyats, G.A. *see* Belomytsev, S.Ya. 1-50737  
Metaxas, A.C. The future of electrical techniques in the production of printed tufted carpets 1-49802  
Metcalf, W.T. *see* Collesidis, R.A. 1-41750  
Metra, P. *see* Lanfranconi, G.M. 1-49123  
Metrou, N., Kanellopoulos, J.D., Roumeliotis, J.A., Fikioris, J.G. Cut-off wavenumbers of the symmetrical modes for an eccentric clad, three-layer, dielectric waveguide 1-51649  
Metselaar, R., Van Tol, R.E.J., Piercy, P. The electrical conductivity and thermoelectric power of Mn<sub>3</sub>O<sub>4</sub> at high temperatures 1-50794  
Mettee, H., Otvos, J.W., Calvin, M. Solar induced water splitting with p/n heterotype photochemical diodes: n-Fe<sub>2</sub>O<sub>3</sub>/p-GaP 1-41017  
Mettler, S.C., Gotthardt, M.R. Index-of-refraction matching materials for optical fiber splicing 1-36945  
Mettler, S.C. *see* Kummer, R.B. 1-36942  
Mettler, S.C. *see* Miller, C.M. 1-46558  
Metwali, M., Saleh, F., Elifayoumi, A. Stored patterns transmission of digital video signals 1-47770  
Metwally, A.D.M., Mahmoud, S.F. Input impedance of vertical dipoles near a lossy half space 1-33402  
Metwally, M. *see* Azarm, A. 1-31062  
Metz, U. A microcomputer-controlled laboratory model for through-switching of PCM signals [training applications] 1-42057  
Metze, G.M., Levy, H.M., Woodward, D.W., Wood, C.E.C., Eastman, L.F. GaAs integrated circuits by selective molecular beam epitaxy 1-50304  
Metze, G.M. *see* Gammel, J.C. 1-42235  
Metzger, G. Transformer oil conditioning and regenerating plant 1-44135  
Metzger, R.M., Staber, E. Universal call simulator for testing trunk equipment 1-37804  
Metzler, R., Griffiths, S. Changing trends in oscilloscope calibration 1-34312  
Metzler, R.E. Programmable modules link up easily into custom test systems 1-52336  
Metzler, T. Microstrip series arrays 1-29028  
Metzmacher, K. *see* Fiander, D. 1-48355  
Meuleman, L.J. *see* van de Grijp, A. 1-42230  
Meulen, E.C. Van der *see* Van der Meulen, E.C.  
Meulenbelt, V. Paper machine central vacuum system drive 1-39259  
Meunier, J.P., Pigeon, J., Massot, J.N. A perturbation approach to the propagation characteristics of inhomogeneous optical fibres with deformed core boundaries 1-46531  
Meunier, J.P. *see* Massot, J.N. 1-28426  
Meunier, O. *see* Aubourg, P. 1-51522  
Meunier, R. *see* Camplan, J. 1-38366, 1-48662  
Meurice, J.C. Localization of control circuits to achieve failing field replaceable unit localization 1-29470  
Meuris, C., Mailfert, A. Influence of the spacers on the stability of channel cooled superconducting coils 1-28403  
Meuris, C. *see* Seyfert, P. 1-51123  
Meusbarger, G. 1.5 V 1 K-CMOS-RAM with only 8 pins 1-40034  
Meusel, E. Technical problems in the manufacture of flexible polyester based printed circuits and in their use in electronic equipment 1-50686  
Meuser, R. *see* Althaus, R. 1-43113  
Meuser, R. *see* Gilbert, W.S. 1-48532  
Meuser, R. *see* Taylor, C. 1-43114, 1-51112  
Meuser, R.B. *see* Taylor, C.E. 1-43096  
Mevel, J.-Y., Launay, G. Aircraft recognition using monostatic radar 1-52138  
Mey, G. De *see* De Mey, G.  
Mey, H. Microprocessors-application and development 1-32287  
Meyer, C., Filippini, J.C. Effect of oxygen on water trees in polyethylene 1-28149  
Meyer, C.H., Tuchman, W.L. Internal key generation for block ciphers 1-29283  
Meyer, C.H. *see* Matyas, S.M. 1-29282  
Meyer, D.D. *see* Allen, L.B., Jr. 1-28724  
Meyer, D.I. *see* Harnew, N. 1-52668  
Meyer, E.A., Armstrong, D.D., Schneider, J.D. Performance optimization of a cusp-field ion source and high-pervance extractor 1-43185  
Meyer, E.-P. *see* Koglin, H.-J. 1-27641  
Meyer, E.W., Jr., Graham, K.A., Kenyon, B.F., Kissel, W.R. Outstanding features of Chrysler's new electronic fuel and engine control system 1-31624  
Meyer, G. Superconductivity and superconductors 1-51136  
Meyer, G. *see* Dunn, W.R. 1-38560  
Meyer, G.A. *see* Hop kins, F.F. 1-35985  
Meyer, G.H. The method of lines and invariant imbedding for elliptic and parabolic free boundary problems 1-32039  
Meyer, G.H. An analysis of the method of lines for the Reynolds equation in hydrodynamic lubrication 1-32040  
Meyer, H.P. *see* Biamonte, R.A. 1-50411  
Meyer, I. *see* Rahman, M. 1-52695  
Meyer, J. *see* Jensch, P. 1-48696  
Meyer, J. *see* Kotler, R. 1-31807  
Meyer, J.P. *see* Barret, J.P. 1-35151  
Meyer, J.P. *see* Barret, J. 1-49412  
Meyer, J.R., Bartoli, F.J. Phase-shift calculation of ionized impurity scattering in semiconductors 1-40374  
Meyer, K. *see* Blanchette, P.E. 1-40307  
Meyer, K.H. The reluctance force in a loudspeaker drive 1-38058  
Meyer, R.A. *see* Lin, J. 1-38414  
Meyer, R.G., Blauschild, R.A. A four-terminal wideband monolithic amplifier 1-27326  
Meyer, R.G. *see* Kukielka, J.F. 1-27346  
Meyer, T. *see* Behrend, H.-J. 1-43229  
Meyer, T. *see* Burkhardt, H. 1-43210  
Meyer, T.O. *see* Armantrout, J.D. 1-31423  
Meyer, W., Schilz, W.M. Feasibility study of density-independent moisture measurement with microwaves 1-38315  
Meyer, W.E. *see* McNutt, M.J. 1-40595  
Meyer, Y.H., Nenchev, M.N. Single-mode dye laser with a double-action Fizeau interferometer 1-28670  
Meyer zu Horste, U. Efficient points and Bayes-solutions in vector optimization 1-44955  
Meyer-Berkhout, U. *see* Schiemenz, P. 1-43156  
Meyer-Erkelenz, D. *see* Bethe, K. 1-30101, 1-30103  
Meyer-Erkelenz, J.D. *see* von Essen, R. 1-52787  
Meyerhofer, D. *see* Kaplan, M. 1-32748  
Meyerova, R.S., Popov, A.V. The use of the parabolic equation method in design of irregular gas-dielectric waveguides 1-33382  
Meyers, M.H. Computing the distribution of a random variable via Gaussian quadrature rules 1-31930  
Meyers, R.H. *see* Khuri, A.I. 1-39536  
Meynaud, P., Leloup, A. The operation of the EDF network and its behaviour while supplying the two-phase load of the French Railway TGV (high speed trains) 1-35447  
Meyr, H., Muller, H.R., Bapst, U., Bouten, H. Manchester coding with predistortion: an efficient and simple transmission technique in local digital ring networks 1-29330  
Meyruis, P. *see* Fontaine, J. 1-52393  
Meyruis, P. *see* George, F. 1-47964  
Meyenburg, H. Substituting electric power for oil 1-44504  
Mezdrogina, M.M. *see* Andreev, A.A. 1-32666  
Mzek, M. *see* Vencelj, A. 1-49187  
Mezentsev, A.P. Broadening the application range of multiway radiators in ventilation and heating systems 1-31020  
Mezera, J. *see* Latos, T. 1-31339  
Mezey, G., Matteson, S.M., Gyulai, J. High-dose Ge implantation into (100)Si 1-40507  
Mezey, G. *see* Lohner, T. 1-50888  
Mezhenniy, S.Ya. *see* Lysenko, V.L. 1-49066  
Mezhevo, V.S. *see* Babichev, A.P. 1-51380  
Mezhevo, V.S. *see* Baranov, V.Yu. 1-51369  
Mezhevo, V.S. *see* Malyuta, D.D. 1-51350  
Mezzalira, L. Computers hardware and software: a new design philosophy 1-45802  
Mgbenu, E.N. Study of the growth kinetics of Ni<sub>2</sub>Si using a sheet resistance method 1-32086  
Mgombeo, H.R. Effect of length of each transmission line in Roy transformer on wideband matching 1-36370  
Mian, G.A., Nainer, A.P. Computation of impulse response autocorrelation sequence of an AR model 1-33413  
Mian, G.A., Nainer, A.P. On the performance of optimum linear phase low-pass FIR digital filters under impulse response coefficient quantization 1-47198  
Miao-hong Liu *see* Liu Miao-hong  
Miara, A. *see* Durante, C. 1-27450  
Micca, G. *see* Garibotto, G. 1-47218, 1-52761  
Micciarelli, A., Mossotto, C. Technical aspects of the introduction of a public data communication network 1-29474  
Micciarelli, A. *see* Accarino, N. 1-47432  
Micciarelli, A. *see* Cardarelli, C. 1-41871  
Micciarelli, A. *see* D'Atri, M.L. 1-47430  
Michael, D. *see* Brando, T. 1-34483  
Michaels, R.S. D-a glitch-causes abound but solutions are rare 1-36307  
Michaelsen, R. *see* Becchetti, F. 1-38330, 1-48388  
Michaelsen, R. *see* Busse, W. 1-43134  
Michail, M.S., Moore, R.D. Accurate overlay between patterns written by E-beam and light optical lithography systems 1-46038  
Michal, R. Theoretical and experimental determination of the magnetic blast field due to the current flow in the electrodes 1-32467  
Michalec, R.T. *see* Kulda, J. 1-30301  
Michalek, J. *see* Burger, I. 1-50365  
Michalke, W. *see* Ufert, K.D. 1-27834  
Michalsen, P. A new method for the description of radiation classes and the bandwidths required for radio equipment 1-34027  
Michalski, K.A., Pearson, L.W. Source-synthesis considerations in SEM equivalent circuits for energy-collecting structures 1-51676  
Michard, J. *see* Barret, P. 1-49412

- Michaux, J. Applications of signalling system no.7 in the Belgian network 1-51918
- Micheels, R.H., Darrow, A.D., II., Rauh, R.D. Photoelectrochemical deposition of microscopic metal film patterns on Si and GaAs 1-50890
- Michel, A.E. *see* Horng, C.T. 1-27994
- Michel, C., Nguyen, P.H., Ravelet, S., Linh, N.T. Experimental study and electrical model of MIS n-InP structures prepared by oxidation in acid medium 1-46020
- Michel, H.P. *see* Grenier, Y. 1-41610
- Michel, J.P. Large area gas discharge displays 1-27773
- Michel, J.W., Murphy, R.W. Condenser designs for binary power cycles 1-31068
- Michel, P. Computerised systems available for design of signalling equipment 1-35454
- Michel, P., Medan, C., Thomassin, R. The application of electricity in industry. Factors likely to be positive during the next decade 1-35529
- Michel, P., Thomassin, R., Orfeuil, M. Economic and technical factors likely to promote the use of electricity in industry over the next ten years 1-31697
- Michel, Y. *see* Chekroun, C. 1-33408
- Michelato, P. *see* Guazzoni, P. 1-48643
- Michalet, A.H. *see* Bogusch, R.L. 1-41239
- Micheli, G. *see* De Micheli, G.
- Micheli, S. *see* De Micheli, S.
- Michelli, J.A. *see* Drake, J.M. 1-27335
- Michelli, T.J. An access area digital communications structure 1-29332
- Michels, F. Storage operated by heat pumps 1-44502
- Michelson, P.F., Giffard, R.P. Microwave impedance measurements of point-contact Josephson weak links 1-28337
- Michelson, R.C. The automated remote tracking of the Florida manatee (*Trichechus manatus*) 1-42315
- Micheron, F. *see* Broussoux, D. 1-27180
- Micheron, F. *see* Ravinet, P. 1-36719, 1-47845
- Micheron, F. *see* Servet, B. 1-27179
- Michikami, O. *see* Yabumoto, N. 1-40519
- Michon, G.J. *see* Grafinger, A.B. 1-47972
- Michon, M. *see* Pinson, P. 1-46677
- Mick, J. Memory control management 1-32279
- Mickel, T.J. *see* Childress, J.J. 1-30551
- Mickelsen, R.A. *see* Chen, W.S. 1-35376
- Mickelson, A.R., Eriksud, M. Role of modal distribution in determining power backscattered from fibres with diameter perturbations 1-51166
- Mickelson, R.A. Industrial applications of polycrystalline thin-film devices 1-40529
- Mickle, M.H. *see* Shanblatt, M.A. 1-53041
- Miclet, L. *see* Grenier, Y. 1-41610
- Micocci, G. *see* De Blasi, C. 1-33141
- Micolet, R., Lebidois, G. POLYUSE: a new analog custom array 1-40684
- Middelhoek, J. TH Twente and microelectronics 1-35575
- Middelhoek, S., Noorlag, D.J.W. The applications of sensors in microelectronics 1-42595
- Middendorf, E. Train controlled platform illumination 1-44469
- Middlebrook, R.D. Power electronics: an emerging discipline 1-45278
- Middlebrook, R.D. Power electronics: topologies, modelling, and measurement 1-50425
- Middlebrook, R.D. *see* Brown, A.R. 1-53560
- Middlecote, A.A. Ten years' progress in international standardization for electrical installations 1-26866
- Middlemann, H. Heavy oils: an attractive fuel for gas turbines—again 1-43960
- Middlemiss, J.J. Reciprocating compressor drives 1-44412
- Middleton, B.K. An analytical model for the recording of transitions in thin magnetic recording media with linearized hysteresis loops 1-28240
- Middleton, F. An all metal UHV flange seal for dissimilar materials [in Aladdin Accelerator Project] 1-42832
- Midgley, D. *see* Torrance, K. 1-30071
- Midorikawa, K., Matsuda, I., Nakazawa, T., Obara, M., Fujioka, T. CCl<sub>4</sub>/F<sub>2</sub> optical filter for a TEA CO<sub>2</sub>-laser-pumped NH<sub>3</sub> laser 1-33256
- Midwinter, J. The year of optical fibres 1-37912
- Midwinter, J.E. European applications of fiber systems: a rationale 1-37920
- Miecielia, M. Correlation of piezoceramics functional qualities and ferroelectric hysteresis loop shape 1-36717
- Miedema, A.K. *see* Lifson, D.P. 1-53003
- Miedema, H. *see* Heiter, G.L. 1-47539
- Mielczarski, W. Methods of harmonic current elimination in industrial power systems 1-44222
- Mielke, H. Semiconductor devices for telephony 1-29518
- Mielke, J. Limits for the transmission of additional information in VHF sound broadcasting 1-34036
- Mieno, H., Touchi, J.-I. A natural language system whose inference process is fuzzy in selecting building materials 1-50213
- Miensi, R. A method of determining costs of production losses caused by limitations of power absorbed by an industrial plant 1-44521
- Mier, E.M.A. Impact of m.n.o.s. on memory storage 1-28113
- Mieras, H., Bennett, C.L. Wideband radar target response modeling 1-52135
- Might, D.D. *see* Lugtu, R.L. 1-34829
- Migitaka, M. *see* Wada, Y. 1-38362, 1-40672, 1-50980
- Migliorini, P. *see* Barbaliscia, F. 1-28904
- Migliorini, P. *see* Damosso, E. 1-28885
- Migneco, E. Status report of the Laboratorio Nazionale del Sud 1-43125
- Mignosi, A. *see* Blanchard, A. 1-48786
- Miguel, B. The Dolby HX—a new system of noise reduction 1-29946
- Miguel, B. Stereo decoder with progressive switching 1-52300
- Miguel, B. An engine speed indicator 1-53757
- Miguel, M. *see* De Miguel, M.
- Migulin, A.V. *see* Galkin, S.V. 1-34713
- Migulin, V.V. *see* Kuzmin, L.S. 1-28338
- Migulin, V.V. *see* Likharev, K.K. 1-46478
- Migus, A., Martin, J.L., Astier, R., Orszag, A. A model of ultra-short pulse amplification 1-28678
- Mihai, D. *see* Popescu, Gh. 1-31505
- Mihail, G. *see* Bratu, A. 1-30803
- Mihaila, A. *see* Dancila, M. 1-34974
- Mihaileanu, C., Potlog, D.M., Rugina, V. Means of combating the effects of voltage failures upon industrial consumers of electrical energy 1-30671
- Mihaileanu, M. Effect of emitter doping on low frequency noise of bipolar silicon transistors 1-46113
- Mihailescu, D., Pantelimon, M. Adverse electrical phenomena and interference levels in railway traction 1-44440
- Mihailescu-Suliciu, M., Suliciu, I. A rate type constitutive equation for the description of the corona effect 1-49135
- Mihailov, N.I. Generation of high-power current pulses with arbitrary shape 1-36145
- Mihailovskaya, L.G. On the optimal stopping of a controlled diffusion process 1-44886
- Mihalache, M. Experimental methods for the dimensionless expression of the parameters of the synchronous machine excitation winding 1-31201
- Mihalic, D. Analysis of electrical equipment condition in HPP 'Nikola Tesla' 1-31003
- Mihara, Y. *see* Wakabayashi, T. 1-46980
- Miiler, A.P. *see* Cezairliyan, A. 1-34390
- Mijnarends, H. Power electronic circuits, need for design to reduce harmonic injection into 50 Hz mains 1-39890
- Mijnarends, H. Selection of electric motors 1-53399
- Mikadze, I.S., Tavalashvili, V.D. Probability characteristic of the performance of a time-redundant technical system 1-39430
- Mikaelyan, G.T. *see* Bogatov, A.P. 1-37146
- Mikaelyan, R.G. *see* Ershov, K.G. 1-42487
- Mikami, N., Kawamura, A., Yukiyoishi, A. Twin Bessel Horn-type speaker 1-34159
- Mikami, O. 1.55  $\mu$ m GaInAsP/InP distributed feedback lasers 1-46748
- Mikami, O. *see* Kanbe, H. 1-51273
- Mikami, O. *see* Noda, J. 1-46486
- Mikawa, T. *see* Kagawa, S. 1-33134
- Mikazuki, T. *see* Koshimoto, Y. 1-51090
- Mikelsons, A. *see* Camisa, R.L. 1-45662
- Mikhael, W.B., Tu, S. Frequency compression employing switched-capacitor oscillators (SCOs) and its application to FM detection 1-45343
- Mikhael, W.B., Tu, S. Switched capacitor oscillators with linear frequency control 1-45511
- Mikhael, W.B., Tu, S. Multi-phase oscillators 1-50450
- Mikhael, W.B., Yassa-Greiss, F.F. Frequency domain adaptive filtering and its application to subscriber lines balancing 1-45513
- Mikhael, W.B., Yassa-Greiss, F.F. A frequency-domain adaptive echo-cancellation algorithm 1-46964
- Mikhailov, G.A., Musikhin, S.G. Monte Carlo design algorithms for complex (nuclear) reactor cells 1-49232
- Mikhailov, G.Kh. Equipment for investigating and testing the metrological characteristics of digital instruments and their units 1-34315
- Mikhailov, I.E. *see* Borisov, V.M. 1-45007
- Mikhailov, L.V. *see* Gangskii, Yu.P. 1-52704
- Mikhailov, M.V. *see* Buber, V.B. 1-38282
- Mikhailov, N.I. Thyristor power supply for storage capacitor banks of solid-state lasers 1-41124
- Mikhailov, O.E. *see* Buklei, A.E. 1-30325
- Mikhailov, S.I. *see* Zubarev, I.G. 1-28695
- Mikhailov, V.F. *see* Bleikhan, V.S. 1-47220
- Mikhailov, V.G. Asymptotic normality of the number of empty cells for group allocation of particles 1-27004
- Mikhailov, V.I. Investigation into code recording onto thick magnetic carrier 1-42729
- Mikhailov-Teplov, N.N. *see* Belozero, L.I. 1-42416
- Mikhailov-Teplov, N.N. *see* Gershberg, A.E. 1-29899
- Mikhailova, V.N. *see* Garifulina, G.I. 1-35505
- Mikhailovskii, S.S., Vinogradov, M.S. Mechanism of formation of a 'memory' in amorphous chalcogenide switches 1-32784
- Mikhalevich, G.A., Zaruba, N.I., Sheverdina, Z.N. The characteristics of elastance of mathematical models of valve rectifier circuits 1-31334
- Mikhaylova, A.V. *see* Beliakov, I.I. 1-31027
- Mikhedov, N.A. *see* Prakhovnik, A.V. 1-30662
- Mikheev, L.D. *see* Basov, N.G. 1-51375
- Mikheev, M.N., Somova, V.M., Gorkunov, E.S. Magnetic inspection for quality control of heat treatment of products made of structural steel grades 45 and 50 1-36000
- Mikheev, M.N. *see* Aronson, E.V. 1-36021
- Mikheev, P.A. *see* Bianki, N.A. 1-36886
- Mikheev, V.N. *see* Aleksandrov, E.M. 1-27187
- Mikheev, V.P. *see* Galuev, S.V. 1-46815
- Mikhelashvili, V.N. *see* Bagratishvili, G.D. 1-46023
- Mikhlyayev, S.V., Chugui, Yu.V. Correlation method of tolerance control of component dimensions using splitting filters 1-39409
- Mikhnov, S.A., Kononov, V.A., Mikhnova, R.V., Korochkin, L.S. Temporal development of pulses in lasers with passive Q-switches 1-51423
- Mikhnova, R.V. *see* Mikhnov, S.A. 1-51423
- Mikhova, R.N. *see* Bondrachek, G.I. 1-32480
- Miki, H. *see* Morita, Y. 1-30566
- Miki, N. *see* Iisaku, S. 1-39512
- Miki, N. *see* Miyayana, Y. 1-41547
- Miki, N. *see* Nomura, T. 1-43276
- Miki, N. *see* Sakagami, I. 1-40199
- Miki, N. *see* Suzuki, M. 1-45539, 1-46979
- Miki, S., Yagura, Y., Kaneku, S. Recursive composite filtering of two-dimensional images 1-33652
- Miki, S., Yoshida, K., Kaneku, S. Adaptive detection of unknown signal in colored noise of unknown parameters 1-51837
- Miki, T. An electronically controlled automobile fuel-injection system 1-53756
- Miki, T., Yamagata, J. Public telecommunication undersea transmission systems [optical links] 1-37896
- Miki, T. *see* Horiguchi, T. 1-42238
- Miki, Y. *see* Makino, J. 1-34940
- Mikilev, A.I. *see* Aleksandrov, I.V. 1-28475
- Mikitrichev, A.A. *see* Vasil'ev, S.V. 1-49746
- Mikkelsen, J.C., Jr. Ternary phase relations of the chalcopyrite compound CuGaSe<sub>2</sub> 1-39760
- Mikkelsen, J.C., Jr. *see* Galeener, F.L. 1-27959
- Mikkelsen, J.M., Hall, L.A., Malhortra, A.K., Seccombe, S.D., Wilson, M.S. An NMOS VLSI process for fabrication of a 32b CPU chip 1-32311
- Mikolaitis, V.A., Subbotin, F.M., Tsukerman, N.S. Noise characteristics of electrophotographic materials during coherent light operation 1-37017
- Mikolinnas, T.A., Wollenberg, B.F. An advanced contingency selection algorithm 1-34782
- Mikolinnas, T.A. *see* Pang, C.K. 1-53024, 1-53025, 1-53026
- Mikoshiba, H. Stress-sensitive properties of silicon-gate MOS devices 1-32834
- Mikoshiba, N. *see* Morita, M. 1-27129
- Mikoshiba, N. *see* Noguchi, T. 1-32999
- Mikoshiba, N. *see* Sasaki, H. 1-46401
- Mikoshiba, N. *see* Sumune, I. 1-41100
- Mikoshiba, N. *see* Tsubouchi, K. 1-32953
- Mikoshiba, S., Shinada, S. Use of barium cold cathodes for low voltage DC-gas discharge color display panels 1-42696
- Mikoshiba, S., Shirai, S., Shinada, S. A 100 lm/V efficacy low-pressure Xe discharge tube 1-45876
- Mikov, A.I. Determination of the characteristics of waiting in a single-line system from the moments of the initial distributions 1-44801
- Mikov, M.M. *see* Hristov, S.N. 1-40179
- Mikov, M.M. *see* Khristov, S.N. 1-45332
- Mikula, J. Operational properties of switched capacitor components 1-39879
- Mikula, J. Analysis of circuits with switched capacitors 1-39882
- Mikula, P. *see* Kulda, J. 1-30301
- Mikulec, M. Compensation ferrometer 1-51077
- Mikulich, J.B. *see* Wrabetz, V.E. 1-46861
- Mikulicic, V. Reliability of the component and its mathematical model 1-35666
- Mikulicic, V. Reliability and availability computing in complex systems and their mathematical model 1-39434
- Mikulicic, V. Reliability and availability of substation 1-42529
- Mikulicic, V., Tomisa, T. Reliability and availability of distribution networks 1-43656
- Mikumo, T. *see* Seki, S. 1-42848
- Mikutskii, A.S. *see* Antonov, Yu.F. 1-49558
- Milam, D., Willis, J.B., Rainer, F., Wirtenson, G.R. Determination of laser damage thresholds by comparison with an absolute laser damage standard 1-33261
- Milan, J.M. An architecture for an unattended radar signal processor 1-42310

- Milana, E., Rasello, F. The control of machined surface finish using a laser system and a micro-computer 1-39247
- Milanich, A.I. *see* Glotov, E.P. 1-28651
- Milano, B. *see* Gish, W.B. 1-43986
- Milano, R.A., Chin, R., Liu, Y.Z. Ohmic contacts to lightly doped n-AlGaAsSb 1-36522
- Milanovic, V. *see* Tjapkin, D. 1-28032
- Milanovic, V.B., Mitrinovic, M.D. Determination of the energy level of the two dimensional electron gas in the junction field effect transistor by variational calculus 1-36620
- Milanovic, Z. Use of gas turbines in heat and electrical energy generation 1-53284
- Milborrow, D.J. *see* Nickols, W.R. 1-49390
- Milburn, R.H. *see* Hylen, J. 1-48583
- Mildebrath, M., Cipolla, S. A digital read-out interface between a multichannel analyzer and a remote computer 1-38451
- Mildice, J.W., Valgora, M.E. Power management for multi-100 KWe space systems 1-31120
- Mildner, D.F.R. *see* Berliner, R. 1-38427, 1-48610
- Mildonian, H.A., Jr. *see* Graczyk, J.F. 1-29590
- Milenin, E.S. *see* Sisakyan, E.V. 1-36858
- Milenin, N.K. Color television cameras on matrix picture signal shapers 1-52243
- Milenin, V.M., Timofeev, N.A. On the possibility of enhancing the luminous efficacy of low-pressure discharge sources 1-35493
- Miler, M. Theoretical study of thin off-axis hologram 1-33287
- Miles, J. *see* Faugier, A. 1-48459
- Miles, R.O., Dandridge, A., Tveten, A.B., Giallorenzi, T.G. Fabry-Perot interferometric sensor [using semiconductor laser cavity] 1-42611
- Miles, R.O., Dandridge, A., Tveten, A.B., Giallorenzi, T.G., Taylor, H.F. Low-frequency noise characteristics of channel substrate planar GaAlAs laser diodes 1-41081
- Miles, R.O. *see* Dandridge, A. 1-28446, 1-37163
- Miles, R.O. *see* Goldberg, L. 1-51455
- Milewski, J. *see* Vedenev, A.A. 1-33172
- Milewski, K.S. *see* Benedict, Q.L. 1-36076
- Miley, G.H. *see* Prelas, M. 1-46674
- Milgram, D.L., Bjorklund, C.M. 3-D model matching for missile guidance 1-48812
- Milhoj, A. A test of fit in time series models 1-35749
- Milic, M.M., Bajic, V.B. Bounds on the complete response of linear time-varying networks 1-50399
- Milinkevich, A.V. Generation of a train of subnanosecond pulses in a solid-state laser with a saturable absorber in an auxiliary resonator 1-33211
- Militaru, P. The prevention of cascaded damages in high voltage (transmission) lines 1-49105
- Mill, M.D. *see* Mergerian, D. 1-46568
- Millane, R.P. *see* Bates, R.H.T. 1-37293
- Millanta, L. *see* Bini, M. 1-34643
- Millar, C.A. Direct method of determining equivalent-step-index profiles for monomode fibres 1-40895
- Millar, C.A., Mallinson, S.R., Gooch, D.J. Fibre end preparation by cleaving - a detailed study using a new measurement device 1-40950
- Millbank, P. New maglev link opens door to world sales 1-31536
- Millbank, P. Distribution switchgear must balance sophistication with simplicity 1-35264
- Millbank, P. Get automated - but first check that it's viable [industrial equipment] 1-35625
- Miller, A.D. Brunswick-2 water chemistry 1-53227
- Miller, A.K.H. Simple 100 W inverter 1-50424
- Miller, B. *see* Heller, A. 1-35353
- Miller, B.I. *see* Coldren, L.A. 1-28741
- Miller, B.I. *see* Furuya, K. 1-51215
- Miller, B.R. Programming for a challenge [telephone companies] 1-33750
- Miller, C.G. *see* Sliney, D.H. 1-48755
- Miller, C.K. *see* Kryskow, J.M. 1-29268, 1-33787
- Miller, C.M., Kummer, R.B., Mettler, S.C., Ridgway, D.N. A high performance optical fiber switch 1-46558
- Miller, D. *see* Parker, S.I. 1-43235
- Miller, D.A. *see* Finkeldie, F.J. 1-27900
- Miller, D.J. *see* Brisson, V. 1-43241
- Miller, D.L., Newman, P.G. Low cost spinner for semiconductor surface preparation prior to MBE growth 1-50887
- Miller, D.L. *see* Cohen, M.J. 1-35383
- Miller, D.L. *see* Zehr, S.W. 1-35386
- Miller, D.R. Lighting power levels for buildings: report of the Massachusetts Lighting Code Project 1-35508
- Miller, E.K., Landt, J.A., Deadrick, F.J., Burke, G.J. Computer graphics applications in electromagnetic computer modeling 1-41332
- Miller, F.J. The role and education of paraprofessionals 1-26810
- Miller, F.Q. *see* Richardson, P.W. 1-31119
- Miller, G. Functional testing using vacuum fixtures 1-50688
- Miller, G.E. Functional testing and vacuum fixtures [PCB testing] 1-45787
- Miller, G.H. Method of making continuous length superconducting wires using chemical vapour plating 1-32993
- Miller, H.C. Improving the voltage holdoff performance of alumina insulators in vacuum by quasimetallizing or doping 1-32921
- Miller, H.C., Furno, E.J., Sturtz, J.P. Determining the mode of high-voltage breakdowns in vacuum devices 1-32550
- Miller, H.W. *see* Kerns, Q. 1-43070
- Miller, J., Hatch, M., Green, K. Predicting performance of optical systems undergoing thermal/mechanical loadings using integrated thermal/structural/optical numerical methods 1-40876
- Miller, J. *see* Muller, R.W. 1-48336
- Miller, J.A. The HORIZON Communications System - now better than ever 1-33845
- Miller, J.E. *see* Borman, W.M. 1-52199
- Miller, J.F. *see* Wyckoff, R.D. 1-34457
- Miller, J.G. Communication information for living systems 1-38038
- Miller, J.G. *see* O'Donnell, M. 1-39832
- Miller, J.L., Dickie, J.W., Kan, T., Ball, D.G., Hill, J.V., Davin, J.M. High PRF e-beam preionized XeCl laser 1-51389
- Miller, J.P. *see* Lippitt, M.E. 1-37710
- Miller, J.R. *see* Elrod, S.A. 1-28308
- Miller, J.R. *see* Lue, J.W. 1-28289
- Miller, L. Microprocessor methods sire mm-wave counter 1-48144
- Miller, L.E. Aerospace nickel-cadmium/nickel-hydrogen electrode process facility 1-31424
- Miller, L.E., Lee, J.S. Error analysis of time delay estimation using a finite integration time correlator 1-41656
- Miller, L.J. *see* Brault, R.G. 1-32746, 1-50857
- Miller, M., Aretz, A.J. Software considerations in the design of computer generated flight displays 1-52894
- Miller, M.B. *see* Gangskii, Yu.P. 1-30356
- Miller, M.H. *see* Thomae, I.H. 1-34788, 1-43535
- Miller, M.J., Lin, S. The performance analysis of some selective-repeat ARQ schemes with finite receiver buffers 1-33536
- Miller, M.J., Shu Lin. The analysis of some selective-repeat ARQ schemes with finite receiver buffer 1-29061
- Miller, M.R., Tuttle, R.P. 5.4/3:40 P.M.: A drive method for electroluminescent matrix displays 1-48172
- Miller, P. *see* Antaya, T. 1-48363
- Miller, P. *see* Bellomo, G. 1-34408
- Miller, P.A., Halbleib, J.A., Poukey, J.W., Verdeyen, J.T. Inverse ion diode experiment 1-38389
- Miller, P.F. *see* Brooks, S.R. 1-29802
- Miller, P.S. *see* Carroll, R.L. 1-29484
- Miller, R. *see* Koontz, R. 1-42926
- Miller, R. *see* Lothrop, F. 1-48275
- Miller, R. *see* Simard, R. 1-38882
- Miller, R.B., Poukey, J.W., Epstein, B.G., Shope, S.L., Genoni, T.C., Franz, M., Godfrey, B.B., Adler, R.J., Mondelli, A. Beam transport issues in high current linear accelerators 1-48397
- Miller, R.B. *see* Adler, R.J. 1-48421
- Miller, R.B. *see* Genoni, T.C. 1-48306
- Miller, R.E., Hediger, R., Lonsky, P. Silicon transformer fluid 1-31270
- Miller, R.F. *see* Doversberger, K.W. 1-31621
- Miller, R.H. *see* Clendenin, J.E. 1-42991
- Miller, R.H. *see* James, M.B. 1-48419
- Miller, R.H. *see* Mavrogenes, G. 1-48475
- Miller, R.H. *see* Richter, B. 1-42876
- Miller, R.H. *see* Sinclair, C.K. 1-43176
- Miller, R.J. Multiple option radar tracing of a single target 1-42291
- Miller, R.J., Treciokas, R. Tracker feedback for adaptive threshold control 1-42305
- Miller, R.J. *see* Howard, J.K. 1-27632
- Miller, R.L. Corrosion and materials selection for geothermal systems 1-31070
- Miller, R.L., Newman, B.B. Synchronization of Reed-Solomon codes 1-33544
- Miller, R.L. *see* Greenhall, C.A. 1-33518, 1-41505
- Miller, S.E. *see* Copeland, J.A. 1-51264
- Miller, S.P. Instruments for environmental monitoring 1-30048
- Miller, T., Malik, A.K. Monitoring techniques to improve the availability of 350 MW and 500 MW alternators 1-44075
- Miller, T. *see* Foster, P.R. 1-41339
- Miller, T.E. *see* Thieberger, P. 1-42849
- Miller, T.J., Nicol, D.A. Compositional variations in individual MCVD layers prior to consolidation [optical fibres] 1-36946
- Miller, T.R., Sampathkumaran, K., Biello, D.R., Vannier, M.E. Evaluation of computer display systems using digital test patterns [nuclear medicine] 1-48685
- Miller, W.C. *see* Julien, G.A. 1-41833
- Millet, J.-M. *see* Jespers, P.G.A. 1-41012
- Milligan, J.M. *see* Kostenko, A. 1-40642
- Milligan, T. Universal patterns ease circular horn design 1-41299
- Millington, D. *see* Lines, P.W. 1-29776
- Millman, M. *see* Dutta, K. 1-38549
- Millman, M.W. *see* Jaffey, S.M. 1-47961
- Millner, A.R. *see* Hay, R.D. 1-31495
- Milloni, G. *see* Bruscaioni, P. 1-37319
- Millot, C. *see* Lamy, A. 1-52947
- Mills, F. *see* Conetti, S. 1-42877
- Mills, F. *see* Forster, R. 1-42976
- Mills, F. *see* Kells, W. 1-43030
- Mills, F.E. *see* Cilyo, F.F. 1-48373
- Mills, G.R. *see* Sadler, M.A. 1-49269
- Mills, J. Micro logic analysers 1-48024
- Mills, J.P., Moeller, C.E. Optical alignment of the Airborne laser laboratory's gas dynamic laser cavity 1-46757
- Mills, M.D. *see* Durkin, M.F. 1-47738
- Mills, R.G. Fusion-fission hybrid reactors 1-30929
- Mills, R.G. Fusion-fission hybrid reactors 1-35019
- Mills, T.G. *see* Carruthers, T.F. 1-32782
- Mills, T.M. *see* Goodenough, S.J. 1-32013
- Mills, W.C., Day, J.B., Butler, W.T. A microprocessor based high speed modem 1-42014
- Mills, W.L., Mullis, C.T., Roberts, R.A. Low roundoff noise and normal realizations of fixed point IIR digital filters 1-47189
- Milne, A.D. The technical importance of growth defects 1-32054
- Milne, E.N.C. *see* Nalcioğlu, O. 1-34592
- Milne, K. Radar systems requirements for high-performance antennas 1-42333
- Milner, S. *see* Fiander, D. 1-48355
- Milner, W.T. *see* Lord, R.S. 1-42893
- Milnes, A.G. *see* Gaughag, P. 1-36477, 1-36569
- Milnes, H.W., Gilbert, J.A. Precise synchronization of high-speed DC motors 1-39002
- Milnani, P.W. Saturation of anomalous dispersion in CW HF lasers 1-37052
- Milosevic, L., Ronsin, M., Charavit, J.-C. SIN-TAC and its localisation performance 1-42351
- Milovanov, A.F. *see* Evdokimov, V.M. 1-50818
- Milovanova, R.A. *see* Ivanov, V.P. 1-43254
- Milroy, I.P. *see* Griffiths, D.B. 1-26818
- Mil'shtein, S., Mordowicz, D. Automatic system for optical measurements 1-38096
- Milstein, L., Davidovici, S., Schilling, D.L. The effect of comb jammer on a direct sequence spread spectrum communication system 1-29060
- Milstein, L.B. Maximum-likelihood estimation of the angular position and extent of a target 1-42289
- Milstein, L.B. *see* Das, P. 1-29620
- Milstein, L.B. *see* Shklarsky, D. 1-36749
- Milstein, L.B. *see* Yao, K. 1-37889
- Milto, A.A., Tala, N.S. Gas laser branding and marking machine with programme control 1-37240
- Milton, R.T. *see* Anderson, R.E. 1-42209
- Milutinovic, V. Cumulative algebraic adder acting as a simple I/O port 1-36174
- Milutinovic, V. Generalized detection procedure based on the weighting of partial decisions 1-37566
- Milutinovic, V., Paunovic, R., Nedic, S., Jetrovic, M. One approach to multimicroprocessor implementation of MODEM for data transmission over HF radio 1-27368
- Milutinovic, V.M. A/D converter acting as a simple input port 1-32373
- Mil'vidskii, M.G. *see* Vdovin, V.I. 1-32690
- Mil'vidskij, M.G. *see* Aarik, J.A. 1-33239
- Mil'vidsky, M.G., Ovsensky, V.B., Shiffrin, S.S. Effect of doping on formation of dislocation structure in semiconductor crystals 1-35936
- Mil'vidsky, M.G. *see* Dolginov, L.M. 1-41089
- Milward, F.E. Compliance testing - or making sure it works 1-35639
- Milyakh, A.N., Barabanov, V.A., Lavrienko, V.A., Kireev, V.G. Equations for three-degree electric machines with permanent magnets 1-44128
- Milyakh, A.N., Barabanov, V.A., Lavrienko, V.A., Kireev, V.G. Equations for two-stage electrical machines with permanent magnets 1-49398
- Milyavskii, Yu.S. *see* Aleksandrov, I.V. 1-28475
- Milyavskiy, Yu.S. *see* Grigor'yants, V.V. 1-33057
- Milyukov, V.V., Stadnik, I.P. Charge distribution on a detached conducting plate of complex shape 1-46826
- Milyuts, G.B. *see* Balabanov, I.G. 1-35129
- Milz, K. The economic importance of power electronics for traction techniques 1-35480
- Mima, K. *see* Taguchi, T. 1-28611, 1-37049, 1-41042
- Mima, S. *see* Matsushima, H. 1-34156
- Mimaki, H. *see* Yamauchi, J. 1-41397
- Mimaki, T., Tanabe, M., Wolf, D. The multipole property of the distribution densities of the level-crossing intervals of a Gaussian random process 1-50148
- Mimila-Arroyo, J., Marfaing, Y. Direct determination of the life time of minority carriers in CdTe(n) 1-36471
- Mimis, V. *see* Shiva, S.G.S. 1-33550
- Mimitsuka, T. *see* Tani, C. 1-46587
- Mimura, H. *see* Matsumoto, S. 1-29626

- Mimura, T., Hiyaizumi, S., Joshin, K., Hikosaka, K. Enhancement-mode high electron mobility transistors for logic applications 1-40597
- Mimura, T., Joshin, K., Hiyaizumi, S., Hikosaka, K., Abe, M. High electron mobility transistor logic 1-50511
- Mimura, T. *see* Hiyaizumi, S. 1-32674, 1-40443
- Mimura, T. *see* Kobayashi, S. 1-41090
- Mimura, T. *see* Yokoyama, N. 1-28135
- Mimura, Y., Yanagi, T., Matsushita, H. Time constant of thermocouple in premixed flames 1-38180
- Min Huang De *see* De Min Huang
- Min Si-gui *see* Wu Dao-huai 1-51250
- Min Si-gui *see* Wu Duo-huai 1-33121
- Min Wang *see* Wang Min
- Min Zhang *see* Zhang Min
- Min-Chiang Wang, Van Ryzin, J. A class of smooth estimators for discrete distributions 1-35758
- Min-Ho Park, Gyu-Ha Choe A.C. current control scheme for R-L load 1-49570
- Min-hua Jiang *see* Jiang Min-hua
- Min-Hwa Chi, Chenming Hu Errors in threshold-voltage measurements of MOS transistors for dopant-profile determinations 1-36635
- Min-Yen Wu A successive decomposition method for the solution of linear time-varying systems 1-27057
- Min-ying Feng *see* Feng Min-ying
- Minac, J. The distributivity property of valuation rings 1-31919
- Minaev, I.G., Malyi, E.N. Calculation of the parameters of elastic strain-gauge systems for measuring pressure 1-48057
- Minaev, Yu.N. Unified formal-heuristic algorithm for solution of a problem of integer linear programming 1-50219
- Minaev, Yu.N., Fesenko, E.P., Filippov, V.E. Optimal unification of metrological support facilities in automated quality-control systems 1-44735
- Minagawa, S., Lee, K.F., Gibbons, J.F., Magee, T.J., Ormond, R. LPE growth of silicon from poly Si/Si structure using CW argon laser 1-35947
- Minakata, M. *see* Yamada, S. 1-27562, 1-33043, 1-51224
- Minakov, M.D., Serednyakov, S.I., Karpov, Yu.M., Pavlov, Yu.P. Results of testing rectangular NaI(Tl) crystal counters 1-52708
- Minami, A., Itoh, K., Ogawa, S. Development of head flight testing system and feasibility study on high density magnetic disk 1-46406
- Minami, K. Experiment on the extraction of microwave pulses from a superconducting cavity 1-40875
- Minami, M. Weak Pareto optimality of multiobjective problems in a locally convex linear topological space 1-50231
- Minami, S., Tsutsumi, S., Takeya, Y. PCM data processing systems for ion temperature probe on board K-9M-70 sounding rocket 1-48855
- Minami, S.-I. *see* Kondo, R. 1-40702
- Minami, T. *see* Hosoe, T. 1-33769
- Minamida, K. *see* Sugai, T. 1-29977
- Minashin, M.E. *see* Komissarov, O.V. 1-38874
- Minashin, V.P. *see* Kantor, L.Ya. 1-37884
- Minasian, R.A. Volterra series analysis of MES-FET mixers 1-32826
- Minasyan, S.E. *see* Gamburyan, K.A. 1-49428
- Minato, O., Masuhara, T., Sasaki, T., Sakai, Y., Yoshizaki, K. Hi-CMOSII 4K static RAM 1-27470
- Minato, O. *see* Yasui, T. 1-28103
- Minatti, N. *see* Mayer, R. 1-42834
- Minchev, P., Dimitrov, M., Petrov, A. Calculation of the electric parameters of induction crucible furnaces at variable metal level 1-35513
- Mincheva, N. *see* Khinov, K. 1-50422
- Minck, J. Comprehensive audio test instrument 1-38216
- Minczuk, A. *see* Jujszczyk, S. 1-53078
- Minczuk, A. *see* Kujszczyk, S. 1-53076, 1-53079
- Minder, Ch.E. *see* McMillan, I. 1-44843
- Minder, R., Gilby, D. Substitution of diesel power plants by solar and wind electricity generators: a case study for a tropical island 1-53316
- Minder, R. *see* Kiss, M. 1-38888
- Mine, H., Hatayama, K. Reliability analysis and optimal redundancy for majority-voted logic circuits 1-39455
- Mine, H. *see* Fukushima, M. 1-44986
- Mine, N., Funakubo, H. Study on evaluation of voice output of leading information for a car driver 1-33727
- Minegishi, K., Imai, K., Kiuchi, K., Hirata, K., Yorime, Y. A new self-aligned framed mask method for selective oxidation 1-40709
- Minegishi, S., Ohmori, T., Echigo, H., Sato, R. Effect of additional circuit to voltage and current transients at electrical contacts on opening 1-45732
- Minen, V.F. *see* Golubkov, G.E. 1-32910
- Minemoto, T., Takahashi, T. Construction of a holographic deblurring filter using a thermoplastic film 1-51245
- Mineo, N., Speziale, G., Troja, P. Criteria of safety in carrying out measurements by imposed current of the earthing system of an electrical substation 1-30791
- Miner, C. *see* Maniv, S. 1-45116
- Miner, C.J. *see* Baraff, D.R. 1-42692
- Minerbo, G.N., Sander, O.R., Jameson, R.A. Four-dimensional beam tomography 1-42930
- Minerbo, G.N. *see* Chamberlin, D.D. 1-42964
- Minetti, R.H., Thierfelder, W.G. A premolded plastic enclosure for thick-film ceramic resistor network SIPs [use on PWBs] 1-45792
- Minetti-Mezzetti, E. *see* Demichelis, F. 1-31461, 1-53650
- Minevich, M.L. *see* Gut, R.E. 1-41472, 1-51660
- Ming Lin Chong *see* Chong Ming Lin
- Ming Ma, Z. *see* Hylen, J. 1-48583
- Ming-Chang-Wang, Wu-Cheng Wang, Xin-Fen Cheng Analysis of the tuning linewidth of the waveguide laser 1-46760
- Ming-shan Yan *see* Yan Ming-shan
- Mingle, J.O., Reagan, C.E. Legal and moral responsibilities of the engineer 1-26827
- Minguzzi, P. *see* Di Lieto, A. 1-28623
- Mingxin Qiu *see* Qiu Mingxin
- Minh Duc Duong *see* Duong Minh Duc
- Minin, G.A., Finitsky, S.I. System of training of specialists and scientific research on the USSR railways 1-31560
- Mink, A.W. Digital sensor simulation at the Defense Mapping Agency Aerospace Center 1-48782
- Mink, J.W. Sensitivity of microstrip antennas to admittance boundary variations 1-28984
- Mink, J.W. *see* Carver, K.R. 1-28996
- Minkoff, J. SSTDMA steady state synchronization: general analysis and operation during deep signal fades [Earth stations] 1-29702
- Minkovich, V.P. *see* Grigor'yants, V.V. 1-33057
- Minneci, G. *see* Petersen, R.C. 1-30483
- Minnema, D.M., Hudson, C.G., Jones, J.D. A comparison of Ge(Li) detectors with different efficiencies for low-level general purpose counting 1-30316
- Minnich, R.P. *see* Lankford, W.F. 1-48609
- Minnich, S.H. Incremental permeabilities for transient analysis of large turbine generators by the finite-element method 1-49416
- Minnich, S.H. *see* Dougherty, J.W. 1-49409
- Minondo, R. Study of the propagation of voltage distortion in distribution networks 1-49543
- Minor, L.G. Application of pattern recognition and image processing techniques to lock-on-after-launch missile technology 1-42321
- Minoura, M. *see* Sumiyoshi, M. 1-38318
- Minoux, M., Serreault, J.-Y. Optimal synthesis of a telecommunication network with security constraints 1-47256
- Minovic, M. Some problems relative to the evaluation of partial discharges in high-voltage cables 1-30742
- Minovskii, Yu.P. *see* Kuznetsov, B.A. 1-53075
- Minowa, Y. *see* Tsukada, K. 1-38526
- Minozuma, F. Status of automotive electronics in Japan 1-31619
- Minski, M.J. *see* Habib, S. 1-30340
- Minter, T.C., Jr. Minimum Bayes risk image correlation 1-47963
- Mints, M.Ya., Chinkov, V.N. Digital phase detector 1-36160
- Mints, M.Ya., Chinkov, V.N. Accuracy of time interval measurement by pulse counting 1-48246
- Mintzer, L. *see* Strauss, J.P. 1-36266
- Mioduszewski, J. *see* Padamsee, H. 1-28413, 1-43106
- Mionet, H. *see* Audegan, B. 1-47512
- Miotti, B. The influences of IEC tests on the design of distribution voltage switchgear 1-31367
- Miotti, B. New measuring and switching station of the electricity and water supply works, Suhr 1-31368
- Mirabella, O. *see* Faro, A. 1-29440
- Mirabella, O. *see* Faro, A. 1-28004
- Miracle, D.E. A polarization comparison method with ECM applications 1-51620
- Miracle, D.E. Study of the effects of maneuver compensation on beam pointing accuracy 1-51666
- Miraldi, F. *see* Haaga, J.R. 1-34612
- Miranda, F.Silva *see* Silva Miranda, F.
- Mirandola, P. *see* Gargiuli, R. 1-49089
- Miranker, W.L., Chern, I.-L. Dichotomy and conjugate gradients in the stiff initial value problem 1-39500
- Mirbod, A. *see* Dewan, S.B. 1-39057
- Mircea-Roussel, A., Jacob, G., Hallais, J.P. Influence of annealing on the electrical properties of semi-insulating GaAs 1-27822
- Mircea-Roussel, A. *see* Hallais, J. 1-50779
- Mirels, H. Source flow effect on line shape 1-28614
- Mirels, H. Multimode low-pressure CW chemical laser performance including source flow effects 1-51322
- Mirlin, G.A., Ageev, V.I., Barashev, V.V. Arc welding with modulated current 1-53828
- Miro, J.M., Puerta, A. Speed and ignition advance measurements in diesel engines. I. Hardware 1-53242
- Mirolubov, V.N., Tinin, M.V. Possibility of employing the ray method for investigating grazing propagation of short radio waves 1-37315
- Miron, E. *see* Lavi, S. 1-33258
- Mironchenko, V.A. *see* Tabarnyi, V.G. 1-50984
- Mironenko, E.V. *see* Lelechuk, S.M. 1-50058
- Mironenko, V.R. Influence of spatial inversion-burnup inhomogeneities on the optimal position of the active medium in a laser for intracavity spectroscopy 1-28745
- Mironenko, Yu.P. *see* Loshchilov, V.I. 1-43376
- Mironov, A.B. *see* Zubarev, I.G. 1-28695
- Mironov, A.F. *see* Kurilkin, V.V. 1-50553
- Mironov, A.M. Experience in introduction of the safeguard for stimulation circuits from short circuit on the ground of TGW-300 type turbogenerators 1-53360
- Mironov, A.V. *see* Kapralov, V.P. 1-41056
- Mironov, L.G., Chelnokov, G.I., Simonov, V.A., Skorokhvatov, A.S., Dudkin, L.D. Semiconductor thermoelectric information transducers for medical purposes 1-30394
- Mironov, O.N. *see* Bokov, S.S. 1-52586
- Mironov, V.L. *see* Belen'kii, M.S. 1-51626
- Miroshnik, A.V. *see* Rozhavskii, S.M. 1-38739
- Miroshnikov, M.M. Thermovision in medicine 1-38482
- Miroshnikov, M.M., Padalko, G.A., Svetlakov, V.P., Prochukhan, A.G., Shabashev, O.K. 'Rubin-3' thermal viewing system 1-38145
- Mirra, C. *see* Gargiuli, R. 1-49089
- Mirsagatov, Sh.A. *see* Azimov, S.A. 1-53617
- Mirtich, V.L. Fiber optics offers promise in data-network design 1-41956
- Mirza, M.S. *see* Cheng-Tzu Thomas Hsu 1-45012
- Mirzinski, H. Single field synchroniser 1-38018
- Misakian, M. Generation and measurement of DC electric fields with space charge 1-51562
- Misakian, M. *see* van Brunt, R.J. 1-36713
- Misawa, T., Iwersen, J.E., Loporcaro, L.J., Ruch, J.G. Single-chip per channel codec with filters utilizing  $\Delta\Sigma$  modulation 1-52009
- Misawa, T. *see* Marsh, D.G. 1-52006
- Misawa, Y., Hachino, H., Hara, S., Ogawa, T., Yagi, H. Surface charges in a zinc-borosilicate glass/silicon system 1-36533
- Miscally, A.E. *see* van Horne, P.R. 1-34805, 1-43613
- Mischenko, E.F., Nikol'skii, M.S., Satimov, N. Pursuit-evasion problem 1-31941
- Mischke, C.F.W. *see* Raubenheimer, B.C. 1-34487
- Mischke, J. State of project and conceptual design work on the WA-350 reprocessing facility 1-43862
- Mischler, W.R., Rosenberry, G.M., Frischmann, P.G., Tompkins, R.E. Test results on a low loss amorphous iron induction motor 1-44125
- Misek, J. *see* Theilacker, J. 1-42825
- Mishima, T. *see* Takai, S. 1-46544
- Mishima, Y., Hirose, M., Osaka, Y. Current transport mechanism of hydrogenated amorphous silicon Schottky barrier diodes 1-27983
- Mishima, Y. *see* Hirose, M. 1-45105
- Mishnaevskii, P.A., Ovyvan, P.P. Effect of bends and twists on the attenuation in a multimode waveguide 1-33059
- Mishra, C.P. *see* Tripathi, L.N. 1-28572, 1-33130
- Mishra, R.K., Thomas, G., Yoneyama, T., Fukuno, A., Ojima, T. Microstructure and properties of step aged rare earth alloy magnets 1-46427
- Mishra, R.K. *see* Belli, Y. 1-28227
- Mishra, R.K. *see* Goo, E.K.W. 1-40744
- Mishra, R.K. *see* Roth, T.F. 1-27093
- Mishra, S. *see* Pavlasek, T. 1-37322
- Mishra, U.K. *see* Simmons, J.G. 1-36529
- Mishurnyi, V.A. *see* Akhmedov, D. 1-28730, 1-28731
- Misic, V.B. Sensitivity evaluation for multiple feedback active filters 1-27487
- Misiewicz, J. *see* Nauka, K. 1-45964
- Misiuk, A. *see* Barycka, I. 1-27720
- Miske, S.A. *see* Melvold, D.J. 1-49158
- Miske, S.A., Jr. *see* Hamann, J.R. 1-30807, 1-38822
- Mis'kevich, A.I., Dmitriev, A.B., Il'yashchenko, V.S., Salamakha, B.S., Stepanov, V.A., Gorodkov, E.M. Lasing in Cd vapor pumped by products of the nuclear reaction  $\text{He}^{3(n,p)}\text{T}$  1-33189
- Miskin, L., Peltz, G., Pickvance, R., Dieringer, H. VMOS application ideas. I 1-28112
- Miskin, L., Peltz, G., Pickvance, R., Dieringer, H. VMOS application ideas. III 1-45570
- Miskin, L., Peltz, G., Pickvance, R., Dieringer, H. VMOS application ideas. II 1-32202
- Miskinova, N.A. *see* Landa, P.S. 1-40341
- Miskolczy, G. *see* Goodale, D.B. 1-31480

- Misme, P., Waldteufel, P. Computation of attenuation due to rain on an Earth-satellite path 1-28893
- Misra, B. *see* Baker, C.C. 1-35016
- Misra, D.K. *see* Singh, S.P. 1-30238
- Misra, J., Chandy, K.M. Proofs of networks of processes 1-47386
- Misra, K.B., Sharma, A. Performance index to quantify reliability using fuzzy subset theory 1-50050
- Misra, K.B. *see* Bansal, V.K. 1-35695
- Misra, K.B. *see* Gadani, J.P. 1-35677, 1-35694
- Misra, M., Sinha, N.P. Photoresponse and barrier height of Al-A-Ge-n-Si-Mn structures 1-27887
- Misra, S.K., Eddy, N.W. AIFOM, an analytical formula for universal assessment of goodness-of-fit of gamma ray spectra 1-48595
- Misra, T.N. *see* Ghosh, A. 1-45959
- Misselt, A.L. *see* Thorson, J.M., Jr. 1-34786, 1-43520, 1-43533
- Missirlis, N.M., Evans, D.J. On the acceleration of the preconditioned simultaneous displacement method 1-45041
- Missou, N.F. *see* Klaus, G.F. 1-36827
- Missout, G. *see* Belanger, G. 1-28174
- Mistetskii, G.E. *see* Lyashko, I.I. 1-31095
- Mistretta, C.A. *see* Kruger, R.A. 1-34590
- Miszak, P. *see* Ecabert, R. 1-31025
- Mitachi, S., Miyashita, T., Kanamori, T. Fluoride-glass-cladded optical fibres for mid-infrared ray transmission 1-51170
- Mitachi, S., Shibata, S., Manabe, T. Preparation of preforms for fluoride glass fibers 1-39824
- Mitachi, S. *see* Jinguiji, K. 1-40905
- Mitachi, S. *see* Shibata, S. 1-27182
- Mitamura, K., Sekiguchi, K., Mizote, M., Yano, H. Integrated electronic device for automotive time control signals 1-31628
- Mitani, E. *see* Okamoto, Y. 1-34344
- Mitani, K. *see* Mizuno, M. 1-43790
- Mitani, M. *see* Nagami, K. 1-49610
- Mitani, M. *see* Ueguri, S. 1-44551
- Mitani, T. Parametric study of the 357.7-nm oscillation in a TE (transversely excited) N<sub>2</sub> laser 1-51352
- Mithy, J.S. *see* Goretzki, J.A. 1-36296
- Mitchell, A.C., Nellis, W.J. Diagnostic system of the Lawrence-Livermore National Laboratory two-stage light-gas gun 1-38356
- Mitchell, A.R. *see* Barnhill, R.E. 1-35898
- Mitchell, C.E. *see* Douglas, D.H. 1-49536
- Mitchell, C.W. *see* Berg, H.M. 1-46557
- Mitchell, D., Secker, P.E. A high efficiency passive neutralizer system 1-37280
- Mitchell, D.M., Sabia, R. Development, characterization, and performance of an improved cable filling compound 1-32432
- Mitchell, G., Proffitt, W. Subpicosecond pulses from synchronously mode-locked travelling-wave ring dye laser 1-51493
- Mitchell, G.L. Optical measurements with the lights on 1-42756
- Mitchell, I.V. *see* Shepherd, F.R. 1-46164
- Mitchell, J.P. *see* Welsher, T.L. 1-32918
- Mitchell, J.W., Pawletko, J.P., Sambucetti, C.J. New nebulizer-electrode system for electrochromic printing 1-44566
- Mitchell, J.W. *see* Chai, H.D. 1-26953
- Mitchell, N. Boron ball shutdown device at Hinkley Point A power station 1-53211
- Mitchell, O.R. *see* Delp, E.J. 1-37655
- Mitchell, R.J. Surface-shadow generation for the preparation of synthetic imagery 1-47949
- Mitchell, R.L., McPherson, D.A. Generating non-stationary random sequences 1-47173
- Mitchell, R.M., Hing, C.R., Bashford, K.H. Management of engineering design office operations through utilisation of computer systems and application of industrial engineering techniques 1-49927
- Mitchell, R.O., Tabatabai, A.J., Delp, E.J. Subpixel measurement of edge location 1-37572
- Mitchell, S.M. *see* Clegg, T.B. 1-43153
- Mitchell, T., Heeler, R. Toward a theory of acceptable outcomes [games] 1-50115
- Mitchell, W.J., Bendett, R.M., Sabatino, F.R. Land navigation system with a precision azimuth and elevation 1-44451
- Mitchler, D.W., Elmasry, M.I. A CMOS pipelined single channel digital echo canceller 1-52047
- Mitenkov, F.M. *see* Egorov, V.V. 1-43881
- Mitera, T. *see* Fujimori, H. 1-40818
- Mitev, K.D., Kolev, Kh.S., Prodanov, I.F., Iliev, I.P. Work algorithm and structure of a microprocessor system for the regulation of electrometers 1-48133
- Miteva, M.G. *see* Kamshilin, A.A. 1-28802
- Mithal, S.K. *see* Matkari, A.K. 1-40239
- Mitina, S. *see* Green, M.A. 1-51125
- Mito, I., Kaede, K., Kitamura, M., Kobayashi, K., Matsushita, S. InGaAsP planar buried heterostructure laser diode for optical communications 1-37166
- Mitoya, T. *see* Miyagawa, M. 1-49817
- Mitra, D. *see* McKenna, J. 1-47264
- Mitra, S.K., Vaidyanathan, P.P. Design of switched-capacitor filter networks with minimum capacitor ratio and total capacitance 1-45519
- Mitra, S.K. *see* Ananthakrishna, P. 1-36268
- Mitra, S.K. *see* Clark, G.A. 1-37504
- Mitra, S.N. Horizontal drift in the ionosphere—a review 1-30546
- Mitra, S.S. *see* Rose, J.W. 1-51190
- Mitra, V. *see* Edlinger, B. 1-36502
- Mitrani, M.S., Bayle, L.-J., Delagnes, A. Bivocal TELSAT 30 equipment for simultaneous telephone and telegraph or data transmission over a telephone circuit (speech plus duplex equipment) 1-41999
- Mitreska, Z. *see* Bahcevandziev, S. 1-51532
- Mitreski, M. *see* Ristov, M. 1-51249
- Mitrinovic, M.D. *see* Milanovic, V.B. 1-36620
- Mitrofanov, K.P. *see* Reiman, S.I. 1-30376
- Mitroshin, E.I. *see* Petrov, B.N. 1-38547
- Mitskevich, G.F. Tasks in the further development of low voltage equipment manufacture 1-31873
- Mitsuhashi, T. A study of the relationship between scanning specifications and picture quality [TV receivers] 1-29868
- Mitsuhashi, Y. Saturable Fabry-Perot filter for nonlinear optical image processing 1-28779
- Mitsuhashi, Y., Shimada, J., Mitsutsuka, S. Voltage change across the self-coupled semiconductor laser 1-41091
- Mitsui, A. *see* Kumazawa, S. 1-46638
- Mitsui, H., Yoshida, K., Inoue, Y., Kawahara, K. Mechanical degradation of high voltage rotating machine insulation 1-53365
- Mitsui, H. *see* Terase, H. 1-44042
- Mitsui, K. Characteristics of a gas proportional chamber for observations of shower particles, with applications to the shower transition curve in the high energy region 1-48606
- Mitsui, K. Measurements of characteristics of the gas proportional chamber in cosmic ray showers 1-52671
- Mitsui, S. *see* Suzuki, T. 1-40600
- Mitsui, Y., Kobiki, M., Wataze, M., Segawa, K., Otsubu, M., Ishii, T. 10-GHz 10-W internally matched flip-chip GaAs power FETs 1-28021
- Mitsuishi, A. *see* Murakami, Y. 1-28372
- Mitsunaga, Y., Katsuyama, Y., Ishida, Y. Optical cable deformation characteristics under lateral load 1-36890
- Mitsunaga, Y., Katsuyama, Y., Ishida, Y. Reliability assurance for long-length optical fibre based on proof testing 1-46514
- Mitsunaga, Y. *see* Katsuyama, Y. 1-33981
- Mitsunobu, S., Hosoyama, K., Yamamoto, A., Kishiro, J., Kohriki, T., Kubo, T., Hirabayashi, H., Kimura, Y. Test dipole magnets for the TRISTAN superconducting proton ring 1-42828
- Mitsunobu, S. *see* Ninomiya, S. 1-48464
- Mitsuoka, H. *see* Takahashi, M. 1-33991
- Mitsuoka, T. *see* Okano, S. 1-40762
- Mitsutsuka, S. *see* Mitsuhashi, Y. 1-41091
- Mitsuya, S. *see* Tsunashima, S. 1-32962
- Mittal, K.K., Venetsanopoulos, A.N. On the dynamic control of the Urn scheme for multiple access broadcast communication systems 1-47273
- Mittelhammer, R.C. On specification error in the general linear model and weak mean square error superiority of the mixed estimator 1-39533
- Mittelmann, H.D. On the efficient solution of nonlinear finite element equations. Bound-constrained problems 1-32016
- Mitter, W. *see* Rammerstorfer, F.G. 1-39659
- Mittle, V.N., Venkatesan, K., Gupta, S.C. Digital computation of transients in a static slip energy recovery drive 1-53710
- Mitra, R., Kastner, R. A spectral domain approach for computing the radiation characteristics of a leaky-wave antenna for millimeter waves 1-47015
- Mitra, R., Ko, W.L., Sheshadri, M.S. A novel technique for the computation of secondary patterns of reflector antennas 1-41344
- Mitra, R. *see* Kastner, R. 1-51591
- Mitra, R. *see* Trinh, T.N. 1-46996, 1-47062
- Mittwich, E. Power supplies for fixed and mobile apparatus 1-27283
- Mitusova, L.V. *see* Shmakov, G.S. 1-44539
- Mitzinger, W. Present state and further development of the GDR energy industry 1-43817
- Miura, A. *see* Nakajima, A. 1-33773
- Miura, C. *see* Kozawa, T. 1-46251
- Miura, K. *see* Nagata, K. 1-26951
- Miura, R. Spacing estimation of the asymptotic variance of trimmed rank estimators of location 1-31946
- Miura, S., Kanno, I., Miura, Y., Uemura, K. Electronic design for hybrid emission computed tomography HEADTOME 1-38496
- Miura, S. *see* Ohmori, S. 1-51663
- Miura, T., Ishida, K., Ono, N., Matsui, T., Kawana, H., Hasegawa, K. Studio-use multi-channel tape recorder RS-14D24 (RS-14D16) 1-34135
- Miura, T. *see* Matsushima, H. 1-34156
- Miura, T. *see* Sugita, K. 1-38155
- Miura, Y. *see* Miura, S. 1-38496
- Miwa, J., Obara, M., Makino, S., Kido, K. A method of spoken word recognition using nonlinear spectral matching 1-33581
- Miwa, S., Isobe, A., Kashiwa, T. Wave-interferenced error on a FM radar resulting from multipath propagation 1-52126
- Mix, L.P. *see* Johnson, D.J. 1-30309
- Miya, T., Kawana, A., Terunuma, Y., Hosaka, T., Ohmori, Y. Low loss zero-dispersion single-mode fibers in the 1.5  $\mu$ m wavelength region 1-33063
- Miya, T. *see* Furui, Y. 1-36950
- Miya, T. *see* Hosaka, T. 1-36892, 1-46509
- Miyagawa, M., Mitoya, T. Refrigerating screw compressors and related applications 1-49817
- Miyagi, H., Taniguchi, T. An expanded Lyapunov function of the synchronous generator with the effect of flux decay 1-53400
- Miyagi, M. Bending losses in hollow and dielectric tube leaky waveguides 1-33024
- Miyagi, M., Hongo, A., Kawakami, S. Attenuation characteristics of a metallic hollow waveguide with inner dielectric layers for 10.6  $\mu$ m wave transmission-slab-waveguide model 1-51203
- Miyagi, M. *see* Yoshikawa, Y. 1-51201
- Miyahara, A. *see* Kobayashi, N. 1-48423, 1-48424
- Miyahara, A. *see* Okamura, H. 1-48565
- Miyahara, H., Hasegawa, T. Flexible multiplexing technique with two types of packet for circuit and packet switched traffic 1-51908
- Miyahara, H., Watanabe, T. Time characteristics of a multi-wire  $4\pi\beta$ -counter 1-52715
- Miyahara, H. *see* Suda, T. 1-42218
- Miyahara, H. *see* Watanabe, M. 1-47285
- Miyahara, K. *see* Kojima, C. 1-46807
- Miyahara, M. Considerations of overall picture quality in the design of high-quality low-field-rate television systems 1-47807
- Miyahara, N., Watanabe, T., Endo, M., Yamada, S.-i. A new CAD system for automatic logic interconnection verification 1-46230
- Miyahara, Y. *see* Cilyo, F.F. 1-48373
- Miyahara, Y. *see* Forster, R. 1-42976
- Miyaji, K. *see* Yamada, H. 1-47728
- Miyajima, H. Computer controlled systems for experimental physics V 1-29992
- Miyajima, Y., Ishihara, K., Kakii, T., Toda, Y., Tanaka, S. Long-length fibre containing high-strength splices 1-51169
- Miyakawa, H., Harashima, H., Tanaka, Y. A simple method for improvement of the error probability performance of PSK 1-29094
- Miyakawa, T. *see* Fukatsu, T. 1-40998, 1-40999
- Miyakawa, T. *see* Sasaki, M. 1-41000
- Miyake, K. *see* Aomine, T. 1-46472
- Miyake, K. *see* Kusumegi, A. 1-48580
- Miyake, K. *see* Suzuki, T. 1-34936, 1-43760, 1-43784
- Miyake, K. *see* Tachi, S.I. 1-46072
- Miyake, K. *see* Tanifuji, T. 1-52595
- Miyake, K. *see* Tokuyama, T. 1-35955
- Miyake, M., Fujino, T., Umeda, Y. Simple methods to construct one-coincidence codes 1-51789
- Miyake, T. *see* Noda, A. 1-31833
- Miyake, Y. *see* Murase, H. 1-41821
- Miyake, Y. *see* Nasu, T. 1-48689
- Miyake, Y. *see* Sakabe, S. 1-38770, 1-38782
- Miyake, Y. *see* Takei, T. 1-52114
- Miyama, H. *see* Furuya, N. 1-36763
- Miyamichi, K. *see* Nakanishi, R. 1-44286
- Miyamoto, K., Matsumoto, H., Ohbayashi, Y., Ohkura, I., Matsumura, H. A new breakdown phenomenon in fine structured VLSI circuits 1-46317
- Miyamoto, K. *see* Kawanobe, T. 1-45832
- Miyamoto, M., Yamauchi, R., Inade, K. Length dependence of bandwidth for fibers with small axial profile fluctuations 1-40941
- Miyamoto, S., Nakayama, K. Determination of the conservation time of periodicals for optimal shelf maintenance of a library 1-50233
- Miyamoto, S. *see* Ohno, Y. 1-45406
- Miyamoto, S. *see* Sakai, H. 1-45868
- Miyamoto, T. *see* Ueda, Y. 1-35310
- Miyamoto, T. *see* Ushio, T. 1-49615
- Miyamura, T. Significance test for location parameter using attribute sampling data—case for symmetric density function and unknown scale parameter 1-39553
- Miyana, I. *see* Moriuchi, S. 1-30332
- Miyana, Y., Miki, N., Nagai, N., Hatori, K. Adaptive simultaneous estimation of time variable autoregressive and moving-average parameters 1-41547
- Miyano, N. *see* Suzuki, Y. 1-51714
- Miyao, M. *see* Tamura, M. 1-39809
- Miyashita, H. *see* Nakanishi, H. 1-51256
- Miyashita, S. *see* Seely, M.L. 1-43165
- Miyashita, T. *see* Matsui, S. 1-51161
- Miyashita, T. *see* Mitachi, S. 1-51170
- Miyashita, Y. *see* Shinoda, T. 1-45881
- Miyata, A. *see* Mochida, Y. 1-37899
- Miyata, M. *see* Iwamura, J. 1-27476
- Miyata, T., Kameishi, M. A serial ternary D/A converter using charge-redistribution techniques 1-45587
- Miyata, T., Tamagawa, K., Watahiki, T. A realization of a symmetric ternary-to-analog converter with a low power dissipation 1-45586

- Miyauchi, E. *see* Horimatsu, T. 1-36919  
 Miyauchi, H. *see* Fukagawa, H. 1-43701  
 Miyauchi, K. *see* Hayashi, K. 1-47903  
 Miyauchi, K. *see* Takehana, Y. 1-30112  
 Miyauchi, M. *see* Ogai, M. 1-36944  
 Miyawaki, S., Ueda, H., Iida, Y., Morita, M. The microwave amplification by discharge Osaka tube 1-45299  
 Miyawaki, T. *see* Izumi, K. 1-29362  
 Miyazaki, K. *see* Maeda, M. 1-43372  
 Miyazaki, M. *see* Munakata, C. 1-32742  
 Miyazaki, M. *see* Takahashi, K. 1-34367  
 Miyazaki, N., Kurihara, R., Kato, R., Isozaki, T., Ueda, S. PRTHRUST-J1 code for calculation of blowdown thrust force and its experimental verification [nuclear power plants] 1-43875  
 Miyazaki, O. *see* Tanaka, K. 1-46422  
 Miyazaki, S. *see* Nakagawa, Y. 1-39453, 1-44746  
 Miyazaki, T., Ishitsuka, A. Large-sized graphic fluorescent indicator panel (FIP) and its driving method 1-48165  
 Miyazaki, T., Yamamoto, Y., Uyemura, T. Intensity modulation by vibrating an object in the cavity of laser 1-41118  
 Miyazaki, T. *see* Masuda, Y. 1-35092  
 Miyazaki, T. *see* Nakamura, T. 1-28098  
 Miyazaki, Y., Taki, K., Akao, Y. Optical propagation and conversion properties of hybrid modes in gyrotropic YIG film waveguides with anisotropic crystal cover layers 1-40978  
 Miyazawa, S. *see* Nakano, J. 1-46711  
 Miyazima, T. *see* Tada, A. 1-40572  
 Miyazoe, Y. *see* Maeda, M. 1-28631  
 Miyazono, T. *see* Terziyski, V. 1-32725  
 Miyoshi, M. *see* Ohno, Y. 1-45406  
 Miyoshi, T. *see* Kaneko, N. 1-52539  
 Mizeracki, M.T. A surveillance system for nuclear power plants 1-52251  
 Mizicko, D. *see* Theilacker, J. 1-42825  
 Mizobuchi, A. *see* Hattori, T. 1-48383  
 Mizobuchi, A. *see* Noda, A. 1-43038  
 Mizoshita, Y., Matsuo, N. Mechanical and servo design of a 10 inch disk drive 1-40795  
 Mizote, M. *see* Mitamura, K. 1-31628  
 Mizuashi, K. *see* Iimura, O. 1-29312  
 Mizugaki, S. *see* Ooishi, A. 1-41101  
 Mizuguchi, H. *see* Masuda, K. 1-31722  
 Mizuishi, K., Hirao, H., Tsuji, S., Sato, H., Nakamura, M. Degradation rates of InGaAsP/InP BH lasers during accelerated aging 1-37170  
 Mizukami, A. *see* Yoshida, N. 1-49819  
 Mizukami, K. *see* Wada, Y. 1-38362, 1-40672, 1-50980  
 Mizukawa, K. *see* Fujii, T. 1-45128  
 Mizumachi, Y. Partial linearization of the RF voltage of a storage ring to reduce bunch diffusion 1-48495  
 Mizumachi, Y., Muto, K. RF phase shake and counterphase at phase transition 1-43024  
 Mizumoto, M. Properties of fuzzy sets under various operations 1-39598  
 Mizumoto, T., Naito, Y. Nonreciprocal propagation characteristics of YIG thin-film 1-46553  
 Mizumoto, Y. *see* Iwata, S. 1-30350  
 Mizunami, T. *see* Maeda, M. 1-28631  
 Mizuno, A. *see* Masuda, S. 1-37276  
 Mizuno, K. *see* Aomine, T. 1-46472  
 Mizuno, M., Hayashi, M., Kitani, K. Thermal stability and life of the gapless surge arrester 1-38823  
 Mizuno, M., Hayashi, M., Mitani, K. Thermal stability and life of the gapless surge arrester 1-43790  
 Mizuno, T., Takahashi, E. SPC system introduction to upgrade existing C400 crossbar exchange 1-29539  
 Mizuno, T. *see* Murakami, H. 1-42211  
 Mizuno, T. *see* Satoh, G. 1-47605  
 Mizuno, T. *see* Ueguri, S. 1-44551  
 Mizuo, S., Higuchi, H. Retardation of Sb diffusion in Si during thermal oxidation 1-32614  
 Mizuo, S., Higuchi, H. Anomalous phosphorus diffusion in Si directly masked with Si<sub>3</sub>N<sub>4</sub> films 1-32615  
 Mizuo, S. *see* Tamaki, Y. 1-32767  
 Mizusawa, M. *see* Homma, Y. 1-47071  
 Mizusawa, M. *see* Urasaki, S. 1-47078  
 Mizushima, K. An application of electron-ion mixed conductors-lithium battery 1-31405  
 Mizushima, Y. *see* Sakaue, M. 1-38130  
 Mizushima, Y. *see* Tamama, T. 1-40584  
 Mizushima, Y. *see* Urisu, T. 1-51351  
 Mizuta, M., Sheng, N.H., Merz, J.L. Luminescence investigations of laser-annealed Si 1-36454  
 Mizutani, H., Kasagi, N., Hirayama, N. Movement and deformation prediction for pluvial distributions 1-43442  
 Mizutani, T., Kaneko, K., Ieda, M. Anomalous discharging currents due to space charge 1-51036  
 Mizutani, T. *see* Ida, M. 1-36685  
 Mizutani, T. *see* Ieda, M. 1-32919  
 Mizutani, T. *see* Ohmori, M. 1-45436  
 Mizutani, Y., Maeguchi, K., Mochizuki, T., Kimura, M., Isobe, M., Uchida, Y., Tango, H. High speed MoSi<sub>2</sub>-gate CMOS/SOS devices 1-40710  
 Mizutani, Y. *see* Isobe, M. 1-27469  
 Mizuya, Y. *see* Hirose, K. 1-34889, 1-43755  
 Mizyuk, G.L. A comparison of two types of an equivalent noise circuit of an amplifier 1-27311  
 Mizyuk, G.L., Mizyuk, L.Ya. On a correlation between equivalent noise sources of an amplifier, its relationship with correlation admittance and a measuring method 1-36114  
 Mizyuk, L.Ya. *see* Mizyuk, G.L. 1-36114  
 Mizzi, J.V. *see* Karsch, A.F. 1-31508  
 Mjornmark, U. *see* Cockerill, D. 1-43233  
 Mjornmark, U. *see* Henning, S. 1-43244  
 Mkami, N. *see* Ohba, R. 1-38187  
 Mladek, J., Beran, Z. Sample geometry, temperature and density factors in the microwave measurement of moisture 1-48260  
 Mladenov, G.M., Emmoth, B. Polymethyl methacrylate sensitivity variation versus the electronic stopping power at ion lithography exposure 1-46032  
 Mladenov, S.S. *see* Gradinarov, P.G. 1-46635  
 Mladenovic, D.A. *see* Popovic, R.S. 1-27976  
 Mlakar, F. The concept of the survey of measuring in metrological capabilities in Slovenia 1-38251  
 Mlekodaj, R.L. A new high temperature ISOL ion source with an electron-extracting grid 1-52656  
 Mlinar, M.J., Piotrowski, W.S., Raue, J.E. A K-band high power low loss latching switch 1-45625  
 Mlinarevic, Z. Economic aspects of reliability in power electric systems 1-38645  
 Mlynski, D.A. *see* Rothermel, H.-J. 1-46238  
 Mlynski, D.A. *see* Wiesel, M. 1-40663, 1-46231  
 Mnatsakanyan, E.A., Morozov, V.N., Popov, Yu.M., Tsetkov, V.A., Yakovlev, G.D. Feasibility of using optoelectronics in a logic device for multiplying a matrix by a vector 1-41006  
 Mnukhin, L.A. *see* Prostoyakov, A.A. 1-31716  
 Mo Dang, Lu Yincheng, Li Danhui, Liu Shanghe, Lu Wuxing Ellipsometric study of radiation damage and annealing effect in As<sup>+</sup> ion implanted silicon 1-27785  
 Mo Kang Sung *see* Sung Mo Kang  
 Mo Ying-an *see* Wu Chang-zheng 1-33192, 1-46675  
 Moaty, M.A. *see* Zdanowicz, W. 1-45953  
 Mobarak, M.A. *see* Gooi, H.B. 1-49261  
 Mobedjina, D. Nariman *see* Nariman Mobedjina, D.  
 Moberly, L. *see* George, P.K. 1-40832  
 Mobius, A. *see* Eckert, T.A. 1-51115, 1-51133  
 Mobius, K.-H. *see* Egelhof, P. 1-43163  
 Mobley, F.F. Magsat performance highlights 1-34697  
 Mobley, F.F. *see* Heffernan, K.J. 1-34651  
 Mobley, F.F. *see* Potemra, T.A. 1-34695  
 Mobley, L.W. Engineering's part in material requirements planning 1-31835  
 Mobley, R. *see* Gammel, G. 1-48426  
 Mobley, R.M., Brodowski, J.J., Gammel, G.M., Keane, J.T., Maschke, A.W., Sanders, R.T. MEQUALAC: (multiple electrostatic quadrupole array linac): a new approach to low beta RF acceleration 1-42779  
 Mobley, R.M. *see* Gammel, G.M. 1-48308  
 Mochalov, I.V. *see* Kaminskii, A.A. 1-46715  
 Mochida, Y., Miyata, A. Video transmission [optical links] 1-37899  
 Mochidi, K. *see* Hasegawa, K. 1-48618  
 Mochizuki, J., Shinbo, S., Nikko, K., Honda, B. Private-tie-line terminal automation system C (PTAS-C) 1-33840  
 Mochizuki, K. Effect of the deviation from stoichiometry of a source specimen on the vapor transport of CdTe 1-27096  
 Mochizuki, K. Electrical conductivity of N-type CdTe at low temperatures 1-27806  
 Mochizuki, K. Effect of supersaturation on the vapor phase transport of CdTe 1-39745  
 Mochizuki, K., Namiura, Y., Wakabayashi, H. Dispersion measurements in single-mode fibres using sum-frequency mixing as a picosecond optical shutter 1-51165  
 Mochizuki, M. *see* Kasuga, M. 1-39798  
 Mochizuki, M.T. *see* Yamanaka, C. 1-51412  
 Mochizuki, S. *see* Takahashi, H. 1-47600  
 Mochizuki, T. *see* Isobe, M. 1-27469  
 Mochizuki, T. *see* Mizutani, Y. 1-40710  
 Mochizuki, T. *see* Taguchi, T. 1-28611, 1-37049, 1-41042  
 Mochui, K., Maruyama, Y., Murai, F., Okazaki, S., Takeda, Y., Asai, S. Negative patterning of AZ1350J by electron-beam desensitization of photo-sensitive compound 1-40490  
 Mocik, B., Hudec, P., Kudjak, V. Transformation properties of the negative impedance converter in a broader frequency band 1-36237  
 Mockovciak, J., Jr. *see* Olsen, R.E. 1-52832  
 Modell, G., Blake, J., Collins, R.W., Viktorovitch, P., Paul, D.K., von Roedern, B., Paul, W. Comparison of a-Si:H produced by RF sputtering and plasma decomposition methods 1-45896  
 Modell, G. *see* Viktorovitch, P. 1-50796  
 Modelli, A. *see* Conti, M. 1-45991  
 Modena, I. *see* Barbanera, S. 1-30410  
 Modestino, J.W., Daut, D.G. Block transform image coding in the presence of channel errors 1-37654  
 Modestino, J.W., Daut, D.G., Vickers, A.L. Combined source-channel coding of images using the block cosine transform 1-29116  
 Modestino, J.W., Vasudev, B., Anderson, J.B. Tree encoding of images in the presence of channel errors 1-33666  
 Modestino, J.W. *see* Daut, D.G. 1-33672  
 Modestov, A.P. Capacitance of ion sheath around a cylindrical low-frequency antenna mounted on a satellite 1-41290  
 Modrusan, M. Rectifiers for charging the capacitors of surge generators 1-31308  
 Modulina, A.N., Novgorodtsev, A.B. The characteristics of electrooptical laser modulators employing code-relay crystals 1-28523  
 Moebius, L.F. When microprocessor-driven instruments don't make sense for ATE systems 1-38109  
 Moeller, C.E. *see* Mills, J.P. 1-46757  
 Moeller, M., Plaetner, R.D., Stetter, W., Rauscher, B. Properties of fluorinated amorphous silicon solar cells 1-33679  
 Moeller, R.P. *see* Bulmer, C.H. 1-36958, 1-46555  
 Moeller, R.P. *see* Burns, W.K. 1-28705  
 Moeller, R.P. *see* Koo, K. 1-36921  
 Moeller, R.P. *see* Sheem, S.K. 1-28430  
 Moeller, R.P. *see* Villarruel, C.A. 1-28443  
 Moen, D.N., Thomas, T.C. Up/down counter with gated clocks 1-27408  
 Moens, L., De Donder, J., Lin Xi-lei, De Corte, F., De Wispelare, A., Simonits, A. Calculation of the absolute peak efficiency of gamma-ray detectors for different counting geometries 1-52681  
 Moerdyke, D. *see* Noges, E. 1-48814  
 Moeschke, B., Wlodarski, W. Effect of hydrostatic pressure on forward-biased p-n junction devices characteristics 1-36506  
 Moeschke, B. *see* Wlodarski, W. 1-50834  
 Moffatt, D.L. Ramp response radar imagery spectral content 1-37954  
 Moffatt, D.L., Young, J.D., Ksienski, A.A., Lin, H.-C., Rhoads, M.C. Transient response characteristics in identification and imaging 1-41202  
 Moffatt, D.L. *see* Chan, L.C. 1-37956, 1-42308  
 Moffett, D.R., Barner, R.L. An intense H<sup>-</sup> source for the IPNS-I rapid cycling synchrotron 1-43182  
 Moffett, D.R. *see* Kramer, S.L. 1-42915  
 Moffett, D.R. *see* Schultz, P.F. 1-43181  
 Mogensen, G. *see* Faber Andersen, E. 1-42268  
 Moghal, G.R. Calculations and controlling techniques of theoretical threshold voltage for MOS transistors 1-46167  
 Moghe, S.B., Gray, R.E., Tsai, W.C. A 1.75-6 GHz miniaturized GaAs FET amplifier using quasi-lumped element impedance matching networks 1-45678  
 Mogilevskaia, L.Ya. *see* Loginov, M.M. 1-45307  
 Mogil'nitskii, M.I. *see* Adonin, V.M. 1-32119  
 Mogl'estue, C. Monte Carlo particle modelling of local heating in n-type GaAs FET 1-46151  
 Moglia Panighini, L. *see* De Luca, A. 1-39250  
 Mogro-Campero, A. *see* Bartlett, D.F. 1-52724  
 Mogueva, O.V. *see* Vostroknutov, N.N. 1-52352  
 Mogul, K.M. Glass fibre-mica based electrical insulating materials-applications and indigenous availability 1-51055  
 Mohaghegh, A. *see* Christoloveanu, S. 1-30111  
 Mohamadein, A.L., Deghidie, S., Mostafa, M.Z. Dynamics of a synchronous motor when used as a servo motor 1-53417  
 Mohamadein, A.L., Hamdi, E.S. An improved single phase synchronous-generator with induced excitation 1-49437  
 Mohammad-Djafari, A., Heron, F., Duperdu, R., Perrin, J. Noninvasive recording of the His-Purkinje system electrical activity by a digital system design 1-43341  
 Mohammadi, A. *see* Haque, A.K.M.M. 1-38393  
 Mohammed, O.A. *see* Demerdash, N.A. 1-49537, 1-49538  
 Mohammed, S.A. Design of filters with ideal amplitude and any prescribed phase [wavelength filter application] 1-45619  
 Mohammed, S.A. *see* Lind, L.F. 1-45442  
 Mohammed, S.A. *see* Pilgrim, M. 1-42173  
 Mohan, C., Al-Bayaty, A.Y.E. A numerical procedure for the sensitivity analysis of generalized geometric programming problems 1-35834  
 Mohan, C., Tahir, M.B. A least-square algorithm for nonlinear optimization problems 1-32017  
 Mohan, M.A. *see* Fleming, R.J. 1-43522  
 Mohan, M.V. *see* Ramanujam, S. 1-27521  
 Mohan, N. *see* Kappenman, J.G. 1-30813, 1-34948

- Mohan, S., Anderson, J.B. Optimal metric-first code tree search algorithms 1-33557
- Mohan, T.R. Rama see Rama Mohan, T.R.
- Mohan Rao, G.R., White, L.S., Jr., Gossen, R.N. Epitaxial layer blocks unwanted charge in MOS RAMs 1-40696
- Mohanani, V. see Pancholy, M. 1-29920
- Mohanavelu, K.S. see Rao, B.S. 1-42216
- Mohankrishnan, N. see Shridhar, M. 1-37459
- Mohanty, N.C. Adaptive equalizer for carrier-modulated data transmission 1-33740
- Mohanty, N.C. Computer tracking of moving point targets in space 1-52161
- Mohanty, N.C., Taylor, K., Pasek, J. Image enhancement and recognition of moving objects in cluttered background 1-37962
- Moharir, P.S., Varma, S.K. A new class of orthogonal normal transforms 1-39725
- Mohiuddin, K.M., Shankar Narayan, S., Chen, K., Peterson, A.M. A general purpose real time digital speech processor 1-37474
- Mohl, D. see Lefevre, P. 1-48322
- Mohlmann, M.A., Koo, J.C., Wise, J.H. Mn-Al-C for permanent magnets 1-46431
- Mohr, C.M. see Ramer, O.G. 1-36967
- Mohr, D.L. see Penner, S. 1-38340, 1-42871
- Mohr, F. see Koester, W. 1-52104
- Mohr, H. see Kyser, K. 1-43305
- Mohr, P. see Hablutzel, R. 1-49153
- Mohr, R. see Lagakos, N. 1-46489
- Mohr, R.K., El-Bayoumi, O.H., Ingel, R.P. Static fatigue in glass optical fibres having surface compression 1-28434
- Mohr, R.K., El-Bayoumi, O.H., Ingel, R.P. Static fatigue in glass optical fibres having surface compression 1-46496
- Mohr, R.K., El-Bayoumi, O.H., Lagakos, N., Hojaji, H., Dong Sung Ma Compressive strengthening of optical fibres by a porous glass process 1-28433
- Mohr, R.K., El-Bayoumi, O.H., Lagakos, N., Hojaji, H., Dong Sung Ma Compressive strengthening of optical fibers by a porous glass process 1-46495
- Mohr, S. see Fleming, T. 1-32376
- Mohrhauer, H., Krey, M., Severin, D.J.E. Uranium enrichment by centrifuges 1-43861
- Mohringer, P. see Steffen, P. 1-36233
- Mohsen, Z.A. see Bishara, B.A. 1-48625
- Mohsiti, T. see Hirose, K. 1-34889, 1-43755
- Moinester, M.A. see Baer, H.W. 1-34516
- Moir, D.C. see Elliott, J.C. 1-43188
- Moir, J. Magnetic recording review. II. Performance of modern cassette tapes 1-28246
- Moir, J. 'Just detectable' distortion levels 1-29952
- Moisan, R.W. Distribution substation and feeder automation 1-43601
- Moiseev, A.G. see Konyashenko, E.A. 1-51661
- Moiseev, M.B. see Nikitin, M.M. 1-48291
- Moiseyeva, G.G. A combined system of phase-shift keyed signals 1-41727
- Moisin, L.H. A circuit for power variation rate measurements in a nuclear reactor 1-34956
- Moisson, M. The use of test data and field data in designing splice closures 1-32453
- Mojeko, K., Subotowicz, M. Structure and growth mechanisms in thin epitaxial PbTe films 1-35957
- Mojoli, F. A new approach to the visibility problems in line-of-sight hops 1-41252
- Mojzis, M. Fatigue of an elastic-magnetic pressure sensor 1-48035
- Mok, C.K. Designing satellite microwave filters using graphite fibre epoxy composite 1-45600
- Mok, T. see Baxter, W. 1-29532
- Mokerov, V.G. see Burgov, V.Ya. 1-28418
- Mokhoff, N. The continuing quest for 3-D television 1-38023
- Mokhoff, N. Local data nets: untying the office knot 1-41960
- Mokhov, N. see Kidd, J. 1-43067
- Mokhtar, S., Osman, W. The use of tellurium in thin film spectrally selective solar absorbing coatings 1-36857
- Mokkapati, C., Venkata, S.S. A technique for optimal sequential maintenance scheduling 1-44753
- Mokrosinski, A. see Dziarnowski, K. 1-53497
- Mokrousov, V.A. see Kal'nishkevskii, V.Y. 1-31031
- Mol, C. De see De Mol, C.
- Mol, J.M.F. see Rijcken, W.J. 1-38510
- Molchanov, L.N. see Deineka, V.S. 1-45010
- Moldavskiy, M.A. Solution of continuous vector optimization problems 1-32003
- Moldo, R.J. see Hoffman, H.S. 1-42760
- Moldovan, D.I. A feasibility study of microprocessor-based digital filters 1-40119
- Moldoveanu, C., Maniitu, V. Oil insulated distribution transformers overloading 1-35213
- Moldoveanu, M., Cramarescu, R., Boiciuc, D., Craciunescu, F., Duta, A. Primary standard gauge for the reproduction and transmission of the unit of plane angle 1-52578
- Mole, D. see Rogers, H. 1-51943
- Mole, P.J. The modelling and simulation of CMOS/SOS circuits [universal logic array] 1-40071
- Molea, M., Dudu, D., Munteanu, I. Possible use of subnanosecond microwave pulse technique for medical investigation and diagnosis 1-38495
- Molen, T. Van der see Van der Molen, T.
- Molesini, G., Quercoli, F. Interference filters as Fourier processors 1-40984
- Molev, V.I. see Shchavlev, O.S. 1-35981
- Molina, A.S. see Arcece, A. 1-33463
- Molinari, F. see Grossoni, M. 1-30674
- Molinari, G. see Gargioli, R. 1-49089
- Molinari, M. see Marzocchi, G. 1-42166
- Molinaro, M. see Beccari, C. 1-50538
- Moline, A. see Degitz, H. 1-38361
- Molinelli, J. see Murphy, B.T. 1-32316
- Molino, J.A., Zerdy, G.A., Lerner, N.D., Harwood, D.L. Modification of transmission line audible noise spectra to reduce environmental impact 1-34904
- Molino, J.A., Zerdy, G.A., Lerner, N.D., Harwood, D.L. Modification of transmission line audible noise spectra to reduce environmental impact 1-43730
- Molins, H. Principles of electric power supply to electrified traction equipment 1-35445
- Molis, Z., Sadecky, B., Vitek, V. The method of decomposition of the global aim-function of power system control 1-38642
- Moll, M. Effects of input power fluctuations on passive sonar receiver performance 1-42343
- Moll, R. see Braun, D. 1-31343
- Molle, D. Dalle see Dalle Molle, D.
- Molle, M.L. Bounds on the capacity of infinite population multiple access protocols 1-37675
- Mollenauer, L.F. Color center lasers 1-41078
- Mollenauer, L.F. Laser-active, defect-stabilized  $F_2^+$  center in NaF-OH<sup>-</sup> and dynamics of defect-stabilized center formation 1-46713
- Mollendorff, H. von see von Mollendorff, H.
- Mollenhoff, K., Pohl, L. Short-circuit-proof low-voltage heavy-duty knife-type fuse cartridges according to VDE 0636 1-40293
- Moller, D. Performance and application of PLL-procedure 1-36161
- Moller, G., Presser, G., Stahler, J. Heavy particle detection characteristics of an MWPC operating at low ( $1 \leq p \leq 30$  mbar) gas pressures 1-52691
- Moller, K. Trends in insulation research 1-51053
- Moller, L. see Bergel, J. 1-48985
- Moller, O. A mobile test system EPS for rational error detection in wheel and chain vehicles 1-47920
- Moller, R. see Cockerill, D. 1-43233
- Moller, W. see Fischer, K. 1-33973
- Mollicone, R.A. see Cunningham, J.A. 1-48795
- Mollo, C.R., Bennon, R.J., Juves, J.A. Evaluating transmission strategies 1-34837
- Molnar, Gy., Racz, M. Small size quartz thermostat 1-35327
- Molnar, L. see Gyorfi, Z. 1-38512
- Molnar, P. Management of quality development in the GDR. II 1-50030
- Molnar, P. see Frajka, B. 1-33886
- Molnar, S. von see von Molnar, S.
- Molodykh, E.I. see Arlantssev, S.V. 1-37078
- Molokovskii, S.I. see Blokhin, A.A. 1-36975
- Moltgen, G., Neupauer, H. An electric supply network convenient method for the railway power supply system by means of direct inverter 1-49064
- Moltgen, G., Neupauer, H. An electric supply network convenient method for the railway power supply system by means of direct inverter 1-53726
- Molvik, A.W., Munger, R.H., Duffy, T.J., Correll, D.L. Geometrically focused neutral beam accelerators 1-48453
- Molyneux Child, J.W., de Voil, G.F. Human equivalent circuit for static discharge 1-31860
- Molz, K.F. Insights into estimating avionics hardware costs using PRICE parametric estimating model 1-49935
- Molz, W. see Botner, O. 1-34444
- Molz, W. see Cockerill, D. 1-43233
- Moment, R.L., Trenka, A.R. Interim status report on DOE prototype development SWECS 1-31151
- Momoi, S. see Sugita, E. 1-45759
- Momose, T., Akada, K., Onodera, Y., Yamashita, T. Surface resistance of superconducting lead  $Tm_{010}$  mode cavities fabricated by an inside surface electroplating technique 1-36854
- Momot, V.I. see Markus, A.M. 1-52619
- Momozawa, M. see Yanai, T. 1-38037
- Monyer, W.R., Littauer, E.L. Development of a lithium-water-air primary battery 1-31418
- Mon, J.-P., Weill, A. Effect of tropospheric disturbances on a 4.1 and 6.2 GHz line-of-sight path 1-28886
- Mon, J.-P. see Gole, P. 1-28899
- Mon Yen Tsai see Chao, H.H. 1-28129
- Monaco, G. Modern engineering approach to costly drive system problems 1-49825
- Monaghan, M.J., Rothman, M.T., Jewitt, D.E. A microcomputer-based system for handling echocardiographic data 1-48695
- Monashkin, M., Raila, E. How to establish and insure a 40-year qualified life for pre-insulated connectors 1-34907
- Monchalin, J.-P., Kelly, M.J., Thomas, J.E., Kurnit, N.A., Szoke, A., Zernike, F., Lee, P.H., Javan, A. Accurate laser wavelength measurement with a precision two-beam scanning Michelson interferometer 1-28758
- Monchaud, S., Prat, R. Detection of obstacles by ultrasonic distance measurement 1-42748
- Monchinsky, V.A. see Baldin, A.M. 1-42889
- Mondahl, T.A. Equivalent circuit model for a shaded-pole induction motor. I. One shading coil and a uniform air gap 1-35175
- Mondelli, A. see Miller, R.B. 1-48397
- Monden, Y., Yamada, M., Arimoto, S. A new recursive method for identification of multivariate linear systems from impulse response and output covariance information 1-41761
- Monden, Y. see Yamada, M. 1-50565
- Mondot, J., Bertheau, M., Bisiaux, B. Automatic control of welds 1-44737
- Monegal, J.W. Up/down glide tone generator 1-50443
- Monem, S.A. Recursive analysis and synthesis of cascaded transmission line networks 1-50389
- Monoe, J.R. de F., Juvels, I., Vallmitjana, S., Ros, D. General method for the reconstruction of an object affected by random noise 1-37641
- Monerie, M. Polarization-maintaining single-mode fiber cables: influence of joins 1-51144
- Monerie, M., Lamouler, P. Birefringence measurement in twisted single-mode fibres 1-28445
- Monetti, G. see Brody, A. 1-34436
- Monetti, G. see Bridges, D. 1-43234
- Money, J.B. see Gindi, A.M. 1-40794
- Monfils, A. see Jamar, C. 1-48113
- Monford, L., Arndt, G.D., Seyal, J.W. Cost and sizing sensitivities for the Solar Power Satellite 1-30678
- Monforte, R.J. Protection of electric machines. Some simulation methods of a physical system 1-31164
- Mong, K.T. Electronics industry expansion in South East Asia 1-35554
- Mongelluzzo, R., Piccolo, A., Rossi, F. Modeling environmental effects of EHV and UHV transmission lines 1-53106
- Mongodin, G. New automatic wafer handling equipment for semi standard plastic carriers [semiconductor wafers] 1-35633
- Monham, K.L., Burgess, J.W., Mabbitt, A.W. High impedance receivers for long wavelength fibre optic communication systems 1-42277
- Moni, R.S., Radhakrishna Rao, K., Reddy, M.A. Analysis of a high-quality gyrator filter 1-36245
- Moni, R.S. see Radhakrishna Rao, K. 1-36248
- Monich, E.A. see Baldin, B.Yu. 1-34484
- Monich, E.A. see Vasil'chenko, V.G. 1-50731
- Monich, G. Beam-forming in the nearfield of small spherical reflectors [antennas] 1-41365
- Monji, M. see Teshima, K. 1-52111
- Monkewich, O., Steenart, W. Deadband effects and limit cycles in stored-product digital filters 1-45553
- Monkhouse, R., Orr, T. Speech synthesis from text 1-41615
- Monkowski, J.R. Gettering processes for defect control 1-50863
- Monkowski, J.R. see Rijks, H.J. 1-36464
- Monnier, D.J. see Edenborough, N.B. 1-50352
- Monnig, F. see Behrend, H.-J. 1-43229
- Monoszon, N.A. see Ageyev, A.I. 1-42866
- Monsen, P., Tromp, L.D., Clifford, K.M. Peak power limitation in digital troposcatter communication 1-29059
- Monseu, M. see Phi, D.T. 1-34824
- Montag, A. see Cester, R. 1-34429
- Montague, A.E. see Bowyer, A.W. 1-30727
- Montague, B.W. Prospects for polarised beams in LEP 1-42860
- Montague, B.W. Beam-beam-driven coupling resonance of fourth order 1-48513
- Montague, B.W. Non-linear coupling from the beam-beam force in electron-positron storage rings 1-52632
- Montalenti, U. The CNR urban electric vehicles development programme 1-39156
- Montanet, F. see Arnault, C. 1-43246
- Montano, H. see Krajenbrink, F. 1-39814
- Montanus, R., Pohl, E. MOS components in power electronics 1-27244
- Montaron, J. see Durbin, F. 1-50363
- Montegari, F.A. NPN-PNP exclusive OR 1-40040
- Montelbano, T.O. Laser enhanced cutting/burnishing 1-26921
- Montemurro, P.A. see Nawrocky, R.J. 1-48349
- Montemurro, R., Villani, F. Customer access to Integrated Services Digital Networks 1-29363
- Montero, I. see Albella, J.M. 1-28150
- Montescu, L. Modalities of determining equations of a pulse distributor 1-27370
- Montesino, S. Stabilized source of supply 1-50419
- Monteys, J. Comparison of MV cables 1-53086
- Montfort, J. see Caudron, L. 1-43851, 1-53194
- Montgomery, A.G. see Agatsuma, K. 1-28416
- Montgomery, A.G. see Hoenig, M.O. 1-28382
- Montgomery, A.G. see Iwasa, Y. 1-28370
- Montgomery, D.B. Magnet development 1-46481

- Montgomery, D.B. Large magnets: where we are, and where we must go 1-51111
- Montgomery, D.C. Evaluation of energy efficient motors 1-49475
- Montgomery, D.C. *see* Heikes, R.G. 1-44732
- Montgomery, E.F. *see* Rieke, G.H. 1-30114
- Montgomery, J.D., Dixon, F.W. Fiber optics to the year 2000 1-33055
- Montgomery, J.D., Dixon, F.W. State of the art in long wavelength fiber optic sources and detectors 1-46556
- Montgomery, L.W. *see* Salom, S.J. 1-49410
- Montgomery, V., Williams, R.H., Srivastava, G.P. The influence of adsorbed layers in controlling Schottky barriers 1-27861
- Montgomery, W. Generating exploratory telecommunication software using functional simulation 1-29316
- Monticelli, D. *see* Kuang-Lu Lee 1-44314
- Montiez, M. *see* Brice, J.M. 1-40700
- Montignac, G. *see* Baudry, A. 1-42366
- Montillo, F.J. *see* Das, G. 1-40706
- Montillo, F.J. *see* Kulkarni, S.B. 1-40481
- Montoro, M.J. Reliability of electronic components. Accelerated tests and failure rate 1-50059
- Montoye, R.K. Area-time efficient addition in charge based technology 1-45434
- Montress, G.K. *see* Cullen, D.E. 1-36799
- Montress, G.K. *see* Gilden, M. 1-36765
- Montress, G.K. *see* Grudkowski, T.W. 1-32939, 1-46376
- Montrosset, I. *see* Daniele, V. 1-51218
- Monty, O. *see* Georges, A. 1-36631
- Monville, J.P. *see* Barret, J.P. 1-35151
- Monville, J.P. *see* Barret, P. 1-49412
- Monzingo, R.A. Discrete linear recursive smoothing for systems with uncertain observations 1-41634
- Moo Lo Chun *see* Chun Moo Lo
- Moody, G. *see* Mark, R.G. 1-52781
- Moody, G. *see* Schluter, P. 1-48729
- Moog, H. Freely programmable logic motor-control systems 1-35325
- Mooij, J.E. *see* de Waal, V.J. 1-28344
- Moolman, J.S.H. Energy saving in the manufacture of ion implanted solar cells by laser pulse annealing 1-35396
- Moon, J.R. *see* Leheup, E.R. 1-27192
- Moon-Seok Choe, Hong-Soo Choi, Kun-Ho Kim The electrical properties of the  $\text{SnO}_2/\text{n-Si}$  SIS type solar cell 1-49694
- Moor, E. *see* Reginato, L.L. 1-43061
- Mooradian, A. *see* Fleming, M.W. 1-28711
- Mooradian, G.C. Surface and subsurface optical communications in the marine environment 1-33975
- Moore, A.R. Carrier lifetime in photovoltaic solar concentrator cells by the small-signal open-circuit decay method 1-31458
- Moore, B.C. *see* Lew, A.L. 1-33963
- Moore, B.N. *see* Skipping, C.R. 1-36054
- Moore, B.R. Industrial fire-tube boilers—the changing pattern of fuel usage 1-31018
- Moore, C., Curtis, C., Lackey, J., Owen, C., Ankenbrandt, C., Gerig, R., Pruss, S. Dependence of the emittances of the Fermilab injectors on intensity 1-48368
- Moore, C. *see* Gerig, R. 1-42916, 1-43002, 1-43003
- Moore, C. *see* Higgins, E.F., Jr. 1-42933
- Moore, C.B. *see* Bhandari, N. 1-48635
- Moore, D.F. *see* Gambino, R.J. 1-46470
- Moore, D.F. *see* Kirlin, R.L. 1-41660
- Moore, D.S., Stubblebine, J.B. Chi-square tests for multivariate normality with application to common stock prices 1-50131
- Moore, D.W. The SSR—past, present and future 1-32474
- Moore, E.A. Holographic scanner embraces super-market bar codes 1-46804
- Moore, E.B. *see* Ju, K. 1-51096
- Moore, F.T. *see* Epstein, K. 1-48143
- Moore, G. The numerical treatment of nontrivial bifurcation points 1-35892
- Moore, G., Spence, A. The convergence of operator approximations at turning points 1-35872
- Moore, J., Bramman, J.I. Fast reactor development in the UK 1-38869
- Moore, J.D. *see* Lawrence, N.B. 1-42311
- Moore, J.F. Micrographics and computers joined at GE 1-51968
- Moore, K. *see* Marcus, M. 1-39483
- Moore, M. *see* Prance, R.J. 1-38486
- Moore, R.A., Sundelin, R.N. Monolithic matching for broadband microwave delay lines 1-36803
- Moore, R.A. *see* Jones, N.G. 1-37873
- Moore, R.D., Dorman, L.M., Chin-Yen Huang, Berliner, D.L. An ocean bottom, microprocessor based seismometer 1-43429
- Moore, R.D. *see* Michail, M.S. 1-46038
- Moore, R.E., Johnson, B.R. Integrity of and criteria for gold ball bonds on crescent bonds [hybrid ICs] 1-45839
- Moore, R.J. *see* Huttemann, R.D. 1-46291
- Moore, R.K. Speech recognition at RSRE 1-41621
- Moore, R.K., Claassen, J.P., Lin, Y.H. Scanning spaceborne synthetic aperture radar with integrated radiometer 1-47719
- Moore, R.L. *see* Papanicolopoulos, C.D. 1-52133
- Moore, R.M. Czochralski-silicon solar cell modules: present costs and future prospects 1-53671
- Moore, R.P., Hooper, J.O., Hawthorne, C.A., Seybold, J.B. Development of microwave radiometric (MICRAD) terrain-sensing guidance in the Navy 1-48805
- Moore, R.P. *see* Katzenstein, W.E. 1-52195
- Moore, R.S. *see* Meikle, A.G. 1-41962
- Moore, T.A. *see* McNally, G.W. 1-42475
- Moore, T.S. Corporate feed analysis using S-parameters [transmission line sections] 1-41449
- Moore, V.S., Thoma, N.G. Dynamic first stage for a shift register 1-27414
- Moore, V.S. *see* Ashley, C.L. 1-36077, 1-36078
- Moore, V.S. *see* Benedict, Q.L. 1-36076
- Moore, V.S. *see* Cases, M. 1-27542
- Moore, V.S. *see* Greenspan, S.B. 1-28462
- Moore, V.S. *see* Kraft, W.R. 1-27413, 1-28109, 1-36198, 1-45393
- Moore, W.G. *see* Ying, A.S. 1-31183
- Moortgat, H. *see* Diehr, G. 1-35864
- Moose, R.L. *see* McCabe, D.H. 1-41675
- Mooz, W.E. Cost analysis for LWR power plants 1-34991
- Mopsik, F.L., DeReggi, A.S. The numerical analysis of the thermal pulse experiment [dielectric polarization distributions measurement] 1-32012
- Morachevskii, N.V. Optical breakdown strength of materials for high-power lasers 1-33263
- Moradiellos, D.P., Tsokos, C.P., Bean, S.J. Some Markovian measures in an organizational manpower planning model 1-50130
- Moralee, D. The DBS dilemma 1-37869
- Moran, J.M. High resolution resist patterning using reactive ion etching techniques 1-46080
- Moran, J.M., Rosen, B.R. Estimation of the propagation delay through the troposphere from microwave radiometer data 1-33352
- Morand, A., Robert, J. Analytic determination of the electrical resistance of rectangular bars. II. Three-electrode infinite cylindrical systems 1-36350
- Morandi, C., Fantini, F. On the use of matrix algebra for the description of EPROM failures 1-32265
- Morant, M.J. Low-cost silicon device fabrication in degree courses 1-26795
- Moraru, A., Anghel, F. Calculation of the voltage transient process in interleaved transformer windings 1-31296
- Moraru, A., Zissu, S. Straight parallel solid conductors in steady state 1-37262
- Moraru, A., Zissu, S. A method for current-density determination in three-phase busbars 1-38791
- Morasso, P. *see* Gambardella, G. 1-34640
- Morats, V. Electromagnetic vulnerability (EMV) testing of air launched vehicles 1-52862
- Moravec, F., Novotny, J. Improved SSD growth of InP single crystals 1-39742
- Moravec, P. *see* Hoschl, P. 1-39741, 1-50780
- Moraw, G. *see* Wagner, E. 1-34944
- Morawetz, H. *see* Haefner, H. 1-28602
- Morawski, A. *see* Siejka, J. 1-32757
- Morched, A.S., Tench, G.A., Kundur, P. Accurate calculation of asymmetrical fault currents in complex power systems 1-49046
- Morchen, H., Off, J., Rohrer, L., Schnitter, H. The computer monitor and control system for the Munich MP tandem accelerator 1-43138
- Morcott, T. *see* Little, D. 1-37739
- Mordaunt, W.S. Simple bipolar switch and drive circuit—cheaper than using power FET directly 1-36288
- Mordojovich, A., Roberts, R.A. A comparison of spectral estimators for real data 1-37629
- Mordowicz, D. *see* Mil'shtein, S. 1-38096
- Moreau, C., Duchene, J., Derenne, J.-P., Le Beux, P. A dual microprocessor system for real time acquisition and processing of respiratory investigation signals 1-43289
- Moreau, C. *see* Morizet-Mahoudeaux, P. 1-43345
- Moreau, D. *see* Morizet-Mahoudeaux, P. 1-43345
- Moreau, J.-P. *see* Charransol, P. 1-37815
- Moreau, W.M. *see* Fredericks, E.C. 1-32733
- Moreau, Y., Manificier, J.-C., Henisch, H.K. On the Demer-effect and a new trap-controlled photo-polarization 1-46623
- Morehead, F. *see* Gosele, U. 1-50873
- Morehouse, H. *see* Barkhuff, E.D. 1-36448
- Moreira de Souza, J., Landraut, C. Benefit analysis of concurrent redundancy techniques 1-35679
- Morelli, D.R. Real-time volume-scanning three-dimensional imaging system for real moving objects 1-30011
- Morelli, E. *see* Frontera, F. 1-30383
- Morello, A.S. *see* Luoni, G. 1-30751
- Morello, C., Navarra, G. An air shower array designed for cosmic ray variation measurements and high energy gamma ray astronomy 1-52686
- Morello, S.A. Experiments using electronic display information in the NASA Terminal Configured Vehicle 1-30513
- Morency, J.P. Managing computer networks 1-41976
- Moreno, F. *see* Bernabeu, E. 1-28742, 1-41116
- Moreno, H. *see* Perez Moreno, H.
- Moreno, J.B. *see* Tisone, G.C. 1-51390
- Moreno, L. Performance analysis of a DC-PSK demodulator for a generative satellite application 1-29667
- Moreno, L. Characteristics and applications of spread spectrum techniques in radio communications 1-47525
- Moreno, L., Pattini, F., Porzio Giusto, P. Implementation imperfections of a  $4\phi$ -DCPSK on-board demodulator: performance degradations and measurement techniques 1-47653
- Moreno, M. *see* Rodriguez, G. 1-47239
- Moreno, O. Goppa codes related quasiperfect double error correcting codes 1-33566
- Moreno, S. Reliability in electronics. The laws and practical consequences of a necessary discipline 1-50061
- Moresby, J.F. *see* Barrett, D. 1-53752
- Moret, B., Destruel, P., Ai, B. Pressure dependence of electrical properties of metal-oxide semiconductor transistors 1-28026
- Moretti, A. *see* Carrara, G. 1-53449
- Moretti, A. *see* Fenster, S. 1-43028
- Moretti, A. *see* Inguscio, M. 1-37065
- Moretti, A. *see* Watson, J.M. 1-48559
- Moretti, P.M., Thresher, R.W. Overview of wind energy systems: issues in development and application 1-35107
- Morey, R.C. *see* Blakley, D.L. 1-31944
- Morf, M., Delosme, J.M. Pseudo innovations representations for alpha-stationary processes 1-31954
- Morf, M., Muravchik, C.H., Lee, D.T. Hilbert space array methods for finite rank process estimation and ladder realizations for adaptive signal processing 1-41753
- Morf, M. *see* Ahmed, H.M. 1-41565, 1-47161
- Morf, M. *see* Delosme, J.-M. 1-32022, 1-32023
- Morf, M. *see* Friedlander, B. 1-37604
- Morf, M. *see* Lee, D.T.L. 1-37496, 1-39562
- Morf, M. *see* Nehorai, A. 1-37610
- Morf, M. *see* Porat, B. 1-41758
- Morf, M. *see* Wood, S.L. 1-37545
- Morgan, C.B. *see* Strauss, M.G. 1-34460
- Morgan, D.P. General analysis of bilinear SAW convolvers 1-28196
- Morgan, D.P., Lewis, B., Arnold, R.G. Charge superposition analysis of multiphase SAW transducers 1-36786
- Morgan, D.R. Response of a delay-constrained adaptive linear predictor filter to a sinusoid in white noise 1-37609
- Morgan, D.R. Analysis of digital random numbers generated from serial samples of correlated Gaussian noise 1-41454
- Morgan, D.V., Eisen, F.H., Ezis, A. Prospects for ion bombardment and ion implantation in GaAs and InP device fabrication 1-45925
- Morgan, D.V., Ohno, H., Wood, C.E.C., Schaff, W.J., Board, K., Eastman, L.F. Characterisation of Al/AlInAs/GaInAs heterostructures 1-45978
- Morgan, D.V. *see* Ezis, A. 1-36562
- Morgan, G.B. Microstrip IMPATT-diode oscillator for 100 GHz 1-45640
- Morgan, G.B., Dassanayake, P., Lieberg, O.A. The design and performance of transversal filters for the sidelobe reduction of pulses compressed from combined Barker phase codes 1-41511
- Morgan, G.D. *see* Baker, C.C. 1-35016
- Morgan, G.L. *see* Chapman, G.T. 1-38384
- Morgan, G.L. *see* Delheij, P.P.J. 1-43170
- Morgan, H.L. 555 timer provides PWM drive for low-cost DC motor control 1-35181
- Morgan, I.G. *see* Spencer, H.J.C. 1-42009
- Morgan, I.L. *see* Hop kins, F.F. 1-35985
- Morgan, K.Z. Risk assessment of exposure to ionizing radiation—another view 1-48764
- Morgan, M. *see* Mort, J. 1-32658, 1-45944
- Morgan, M.G. *see* Hills, A. 1-37882
- Morgan, R.H.C. *see* David, D. 1-48319
- Morgan, R.L. *see* Tanton, G.A. 1-46893
- Morgan, V.T. New methods for determining the thermal rating of overhead lines 1-43744
- Morgan, W.L. The next decade. An economic outlook for the eighties [satellite communications] 1-29685
- Morgan, W.L. Satellite communications launch new opportunities for telcos 1-37888
- Morgan, W.L. Gaining local access to earth stations 1-47586
- Morganti, M. *see* Dabbene, A. 1-42102
- Morgenstern, J.  $C^3$  for tactical nuclear forces in Europe 1-29297
- Morgenstern, W. The importance and scope of measuring tests on the prototype of the 500 MW generating unit 1-30994
- Morgenthaler, F.R. Synthesis of magnetostatic waves and modes using nonuniform bias fields 1-36814
- Morgenthaler, F.R. *see* Stancil, D.D. 1-37358

- Morgera, S.D.**, Wagh, M.D. Bilinear cyclic convolution algorithms over finite fields 1-33502
- Morgera, S.D.** see Wagh, M.D. 1-37622
- Morgovskiy, Yu.Ya.**, Chekhovoy, Yu.N. Static optimization of an autonomous direct-current electric drive with variable frequency and pulse width control 1-35413
- Morgulis, L.M.** see Vdovin, V.I. 1-32690
- Mori, A.**, Yamada, H., Kuroda, H. Flue gas treatment system for coal-fired power plants 1-43892
- Mori, F.**, Wakamatsu, S., Maeda, T., Yasui, S. Energy model for Japan in AD 2025 1-26852
- Mori, H.** see Izawa, T. 1-28513
- Mori, H.** see Matsumoto, J. 1-33700
- Mori, H.** see Sakurai, J. 1-27130
- Mori, H.** see Ueda, J. 1-33869, 1-52022
- Mori, K.**, Iguchi, J. International standardisation of digital converters 1-37782
- Mori, K.** see Endo, N. 1-46313
- Mori, K.** see Shimada, T. 1-41175
- Mori, K.** see Suzuki, K. 1-51021
- Mori, M.**, Higashino, T., Sugiyama, Y., Taniguchi, K., Kasami, T. An algebraic specification of HDLC procedures 1-33844
- Mori, M.** see Kurata, K. 1-28595
- Mori, M.** see Tanaka, T. 1-46963
- Mori, N.**, Inahata, H., Ozaki, H. Josephson current and proximity effect in niobium-based tunnel junctions 1-28354
- Mori, N.** see Igarashi, M. 1-34959
- Mori, N.** see Sakabe, S. 1-38770, 1-38782
- Mori, S.** Research and development on fusion at Japan Atomic Energy Research Institute 1-33297
- Mori, S.**, Hirota, K., Sagabe, H., Maekawa, T. Equipment of the International Computer Access Service ICAS 1-33811
- Mori, S.**, Imai, S., Ninomiya, K., Hata, H., Itaka, K., Hara, T. Characteristics of gas insulated transmission lines bonded at both ends in relation to short circuit forces 1-43697
- Mori, S.** see Shinriki, M. 1-27342
- Mori, T.**, Sakai, H. Computation of inducing current in transmission systems during fault by the combined use of symmetrical coordinate method and ladder-type network theory 1-38705
- Mori, T.**, Sawano, H., Kusunoki, K., Ishihara, O. A 10.5 GHz MIC direction sensitive doppler module using a GaAs FET and a Ag/Pd thick film 1-45679
- Mori, T.** see Goshima, S. 1-47930
- Mori, T.** see Hattori, K. 1-33770
- Mori, T.** see Hayashi, S.A. 1-52651
- Mori, T.** see Takahashi, T. 1-39818
- Mori, T.** see Takeda, F. 1-27149
- Mori, T.T.** see Dybdal, R.B. 1-52570
- Mori, Y.**, Ito, K., Takagi, A., Fukumoto, S. A new type polarized  $H^-$  ion source with oriented Na atoms 1-43186
- Mori, Y.**, Ito, K., Takagi, A., Kubota, C., Fukumoto, S. New type polarized  $H^-$  ion source for the KEK 12 GeV synchrotron 1-43151
- Mori, Y.**, Watanabe, N. Semiconductor laser growth using metalorganics 1-33242
- Mori, Y.**, Watanabe, N. AlGaAs grown by metal-organic chemical vapor deposition for visible laser 1-46742
- Mori, Y.** see Fukumoto, S. 1-43049
- Moribe, N.** see Itoh, S. 1-46712
- Moricca, M.** see Bacci, C. 1-43236
- Moricz, F.** see Varga, A. 1-44939
- Moriguchi, K.** see Watanabe, K. 1-52060
- Moriizumi, T.** see Kudo, K. 1-46644
- Moriizumi, T.** see Matsumoto, K. 1-36757
- Moriizumi, T.** see Nomura, T. 1-51071
- Morikawa, G.** see Yoshioka, K. 1-32446, 1-37849
- Morikawa, H.** see Ohmori, S. 1-51663
- Morikawa, T.** Non-public communication systems [optical links] 1-37898
- Morikawa, T.** Hydrogen frequency standards [masers] 1-51297
- Morikawa, T.** see Hidaka, T. 1-51173
- Morikawa, Y.**, Hamada, H., Yamane, N. Separation of Kernal in the hexagonal discrete Fourier transform 1-45074
- Morikawa, Y.**, Kimura, Y., Hamada, H. One-dimensional nonuniform correcting filter for image restoration 1-33651
- Moriki, K.**, Iga, K., Uchida, M., Wakao, K., Kuni-kane, T. 1.3  $\mu\text{m}$ -wavelength mode controlled GaInAsP/InP etched laser 1-46735
- Morikoshi, Y.**, Kobayashi, N. 2-10  $\mu\text{m}$  region semiconductor laser 1-33241
- Morillot, G.** see Bonnet, M. 1-27135
- Morillot, G.** see Linh, N.T. 1-27827
- Morimatsu, M.** see Yoshizawa, A. 1-29639
- Morimoto, A.**, Kobayashi, T., Suetu, T. A picosecond optical gate using photo-induced grating 1-46787
- Morimoto, K.** Flat fluorescent display tube has many applications for automobiles 1-42700
- Morimoto, M.**, Kobayashi, Y., Hibino, M. An optimal SAW filter design using FIR design technique 1-36783
- Morimoto, M.**, Sugimoto, M., Terada, K., Takahashi, K., Ishijima, T., Muta, H., Suzuki, A.-I. High speed 4 kbit static RAM with silicide coating wiring 1-40050
- Morimoto, M.** see Endo, N. 1-46313
- Morimoto, M.** see Suzuki, K. 1-51021
- Morimoto, S.** see Kuriki, K. 1-30529
- Morimoto, S.** see Yamauchi, T. 1-40723
- Morimoto, Y.** Two terminal circuit with variable negative resistance characteristics 1-32229
- Morin, F.** see Auvert, G. 1-32050
- Morin, F.** see Belanger, A. 1-44339
- Morin, R.** see Drouet, M.G. 1-44282
- Morinaga, A.** Polarization study of an internal mirror CW 28- $\mu\text{m}$  water vapor laser 1-51323
- Morinaga, A.**, Tanaka, K. CW 4.55 and 5.96  $\mu\text{m}$  atomic oxygen laser lines in water vapor discharge 1-41051
- Morinaga, H.** see Daniel, H. 1-42899
- Morinaga, N.** see Dahabreh, M.N. 1-47599
- Morinaga, N.** see Kashiki, K. 1-42165
- Morinaga, T.** see Horikoshi, J. 1-47108
- Morinaud, J.** see Brisson, V. 1-43241
- Morini, A.** see Martinelli, G. 1-53377
- Morino, A.** see Iwata, A. 1-33872, 1-52007
- Morino, K.**, Nishimura, T. DCNA—a standard network architecture for the 1980s 1-29434
- Morinobu, S.** see Matoba, M. 1-34482
- Morisako, A.** see Matsumoto, M. 1-36826
- Morishita, I.** Visual inspection and sorting systems for industrial applications 1-35656
- Morishita, I.** see Deguchi, K. 1-33616
- Morishita, K.** Numerical analysis of pulse broadening in graded index optical fibers 1-28461
- Morishita, K.**, Obata, Y., Kumagai, N. Accuracy of the group velocity of the step-index fiber modes evaluated by the scalar approximation technique 1-33064
- Morishita, M.**, Tanaka, T., Hamada, Y., Inoue, H., Kouno, A. A color television camera using a single interline transfer CCD image sensor with color filter array 1-34082
- Morishita, M.** see Chang, K. 1-45649
- Morishita, T.** see Kawasaki, Y. 1-38763
- Morisset, G.** see Zimmermann, H. 1-37758
- Morissette, S.** see Boutin, N. 1-47105
- Morisue, M.**, Kuramochi, K. A computer-aided technique for modeling and analysis of transmission lines [logic IC interconnection] 1-45218
- Morisue, M.** see Hirose, Y. 1-32726
- Morita, H.**, Suzuki, T., Shiozawa, T. Second harmonic generation by a relativistic electron beam 1-33317
- Morita, H.** see Koshiba, M. 1-41273
- Morita, H.** see Ohno, Y. 1-45406
- Morita, H.** see Sato, T. 1-51529
- Morita, K.** A simplified method for estimating rain attenuation and the effect of site diversity on Earth-satellite links 1-33358
- Morita, K.** see Ooi, T. 1-28911
- Morita, K.** see Satoh, K. 1-42217
- Morita, M.**, Hanai, M., Shimanuki, H., Aida, F., Shiono, T. Effects of hydrated ions on water trees in polyethylene 1-28185
- Morita, M.**, Isogai, S., Shimizu, N., Tsubouchi, K., Mikoshiba, N. Aluminum nitride epitaxially grown on silicon: orientation relationships 1-27129
- Morita, M.** see Iida, Y. 1-39973
- Morita, M.** see Miyawaki, S. 1-45299
- Morita, M.** see Yamada, T. 1-51131
- Morita, N.**, Kumagai, N. The expansion of cylindrical fiber modes in a spherical coordinate 1-46524
- Morita, S.** see Ishii, K. 1-48324
- Morita, S.** see Noguchi, T. 1-32999
- Morita, S.** see Shindo, T. 1-38061
- Morita, T.**, Nitta, Y. An analysis of electromagnetic repulsion force driving system for synchronous power circuit breaker 1-35297
- Morita, T.** see Matsumoto, T. 1-39781
- Morita, Y.**, Goto, T., Omatsu, K., Miki, H., Taniguchi, M., Tanaka, M. Shimadzu Organic Pollution Monitor model UVM-401 1-30566
- Moritani, A.** see Yamagishi, C. 1-50306
- Moriuchi, S.**, Imai, K., Miyahara, I. New technical approach to monitoring of low-level environmental gamma radiation using NaI (Ti) scintillation instrument 1-30332
- Moriuchi, S.** see Saito, K. 1-48601
- Moriwaki, K.**, Aritome, H., Namba, S. High resolution fabrication of submicron structures by ion beam lithography 1-40491
- Moriwaki, K.**, Aritome, H., Namba, S. Etched profile of Si by ion-bombardment-enhanced etching 1-46074
- Moriya, F.** see Jinzenji, T. 1-44434
- Moriyasu, S.**, Endo, K. The ripple loss at the rotor surface of synchronous machines 1-35154
- Morizet-Mahoudeaux, P.**, Moreau, C., Moreau, D. Simple microprocessor-based system for on-line e.c.g. arrhythmia analysis 1-43345
- Morkoc, H.** see Drummond, T.J. 1-40440, 1-40442, 1-45973
- Morkoc, H.** see Stanchak, C.M. 1-35956
- Morkovkin, I.M.** see Ageyev, A.I. 1-42866
- Morleigh, S.** A direction-cosine position coordinate system for air navigation 1-29814
- Morlet, D.** see Rubel, P. 1-48719
- Morling, R.C.S.** see Cain, G.D. 1-51843
- Morlinger, R.** Operation and maintenance functions in ASB 100 and ASB 900 [PABXs] 1-42052
- Moro, A.-M.**, Cremieux, J.-P. Traffic and load supervision in the E12 digital switching system 1-47472
- Moro, E.S.M.** Receiving signals from geostationary ionospheric investigation satellites 1-30548
- Moro, R.** see Roca, V. 1-38464
- Moron, Z.** Differential, three-electrode measurement of electrolytic conductivity 1-38268
- Morong, W.** see Bokil, D. 1-50704
- Moroni, A.** see Guazzoni, P. 1-48643
- Morooka, H.** see Hamada, H. 1-32071
- Moroz, S.** see Egelhof, P. 1-43163
- Moroz, V.V.** Representation of relations and transformations of their tables 1-35801
- Morozov, A.D.** see Khabrat, N.I. 1-38299
- Morozov, A.E.** see Ivanov, V.B. 1-47942
- Morozov, B.V.** see Buklei, A.E. 1-30325
- Morozov, M.V.** see Bunkina, M.V. 1-28784
- Morozov, S.V.** see Buchin, A.V. 1-40980, 1-41153
- Morozov, V.I.**, Terekhov, G.I. Organization of experiments on storage of ultracold neutrons and analysis of the results 1-52705
- Morozov, V.I.** see Kosvintsev, Yu.Yu. 1-38458
- Morozov, V.N.** see Eliseev, P.G. 1-28729
- Morozov, V.N.** see Mnatsakanyan, E.A. 1-41006
- Morozov, V.N.** see Vorob'ev, A.V. 1-51526
- Morozov, Yu.M.** see Vereshchagin, I.P. 1-41193
- Morozova, N.K.** see Galstyan, V.G. 1-32653
- Morozova, Yu.A.**, Burukhin, G.N., Filippov, Yu.A. Frequency characteristics of exciters with non-controlled rectifiers [for transient processes analysis in turbogenerators] 1-44036
- Morozowich, M.**, Falvo, V.A. Wearout and failure rates for disc semiconductors 1-32778
- Morpurgo, G.** see Marinelli, M. 1-48586
- Morra, P.** see Costa, B. 1-36925
- Morrell, A.M.** Color picture tube design trends 1-42707
- Morris, A.S.**, Sterling, M.J.H. Identification and direct digital control of an electric arc furnace controller 1-35510
- Morris, C.L.** see Atencio, L.G. 1-52677
- Morris, C.L.** see Ransome, R.D. 1-43200
- Morris, D.** see Avery, R. 1-42826
- Morris, F.**, Chou, Y.S. Effect of flying height variation on offtrack data handling 1-40792
- Morris, G.C.** see Archer, M.D. 1-53645
- Morris, H.B.** see Reisinger, A.R. 1-34377
- Morris, H.M.** Don't over specify custom power supplies 1-39889
- Morris, J.** see Groves, C. 1-40722
- Morris, J.** see Massie, N.A. 1-51499
- Morris, J.** see O'Connor, D.J. 1-36879
- Morris, P.** An 8 Mb/s optical fibre transmission system 1-42259
- Morris, P.B.** see Gupta, R.R. 1-37984
- Morris, P.B.** see Healy, R.D. 1-52175
- Morris, R.** Satellites—the role of British Aerospace 1-29677
- Morris, R.C.**, Stewart, J.M. CAIRO: Computer Analysis of Incident Recorder Output for TXK4 1-47503
- Morris, R.C.** see Sam, C.L. 1-33214
- Morris, R.L.**, Schweppe, F.C. A technique for developing low order models of power plants 1-34971
- Morris, R.L.** see Schweppe, F.C. 1-48963
- Morris, T.** see Dubowsky, S. 1-38942
- Morrison, A.N.** see Burns, C.P. 1-51672
- Morrison, J.A.** An overflow system in which queuing takes precedence 1-41837
- Morrison, J.A.** see Kaufman, L. 1-47265
- Morrison, M.**, Munshi, S. Availability of a v-out-of-m+r:G system 1-39459
- Morrison, R.E.**, Corcoran, J.C.W., Walshe, K.A. Distortion caused by traction loads in public electricity supply systems 1-34838
- Morrison, S.R.** see Loo, B.H. 1-50851
- Morrison, S.R., Jr.** see Madou, M.J. 1-35380
- Morrison, W.A.** see Tole, J.R. 1-34561
- Morrow, C.R.** see Bogues, K. 1-35925
- Morrow, G.R.** see Heinrich, J.P. 1-28381
- Morse, A.L.** see Hewitt, M.J. 1-47983
- Morse, D.** see Billing, M. 1-42862
- Morse, D.** see Rice, D. 1-42989
- Morse, D.** see Sundelin, R. 1-43084
- Morse, D.E.** Radiometric instrumentation for high-altitude balloon atmospheric measurements 1-48860
- Morse, W.** see Makowiecki, D. 1-34500
- Morse, W.M.** see Leipuner, L.B. 1-43259
- Morselli Labate, A.M.**, Messale, E., Barbara, L. A computerized procedure for the analytical estimation of the transfer rates of compartmental models 1-50371
- Morsztyn, K.** Ten years of experience with the Monash TNA modelling techniques used and examples of application 1-34839
- Mort, J.**, Chen, I., Grammatica, S., Morgan, M., Knights, J.C., Lujan, R. Geminate and non-geminate recombination in a-Si:H 1-45944

- Mort, J., Knights, J. Localization and electronic properties in amorphous semiconductors 1-32660
- Mort, J., Troup, A., Morgan, M., Grammatica, S., Knights, J.C., Lujan, R. Geminate recombination in a-Si:H 1-32658
- Mort, J. *see* Chen, I. 1-49671
- Mort, J. *see* Grammatica, S. 1-37000
- Mortara, W. *see* Businaro, U.L. 1-39192
- Morten, B. *see* Prudenziati, M. 1-45815
- Mortensen, B., Ahm, P. Photovoltaic systems as energy source for telecom equipment 1-42034
- Mortensen, K., Larsen, E.V., Piwko, R.J. Field tests and analysis of torsional interaction between the Coal Creek turbine-generators and the CU HVDC system 1-38729
- Mortensen, K. *see* Svensson, S. 1-30705, 1-38728
- Mortensen, K.A. *see* Scudiere, J.D. 1-28290
- Mortensen, K.N. *see* Bahrman, M.P. 1-43646
- Mortensen, P. Development of the Norwegian telecommunications service 1-33734
- Mortimer, J.T. *see* Van Den Honert, C. 1-34631, 1-34632
- Mortiss, J.R., Peric, S. Switchgear reliability and principles of design 1-35316
- Mortiss, J.R., Peric, S. Switchgear reliability and principles of design 1-44250
- Morton, D.C., Williams, F. A multilayer thin film electroluminescent display 1-46652
- Morton, J.S. Application of air-break distribution switchgear 1-44309
- Morton, P. Free electron lasers 1-51298
- Morton, P.L. *see* Kroll, N.M. 1-51311, 1-51316
- Morton, R.E., Woodruff, G.L. A new approach to the differentiation unfolding of neutron spectra from proton-recoil data 1-48597
- Morton, T.P. *see* Schuchardt, J.M. 1-48110
- Morton, W.O. *see* Geiss, P.J. 1-46304
- Moruzzi, G. *see* Inguscio, M. 1-37065
- Morvic, M. *see* Konakova, R.V. 1-27986
- Morvic, M. *see* Kordos, P. 1-51268
- Mory, S. *see* Konig, R. 1-51396
- Moryakov, V.F. *see* Balkovets, D.S. 1-35544
- Moryashchev, S.F. *see* Kosyrev, F.K. 1-53833
- Mosat, V. *see* Fecko, S. 1-30682, 1-30762, 1-43719
- Mosbach, H. Optimal control of hybrid vehicle 1-39176
- Mosby, N.V. *see* Couyras, J.P. 1-50972
- Mosca, W. *see* Bardelli, G. 1-45726
- Mosca, W. *see* Farneti, F. 1-49150
- Moscaritolo, A. *see* Kumar, K. 1-27680
- Moschitzer, A. *see* Riedel, F. 1-40201
- Moschitzer, A. *see* Schuffny, R. 1-50952
- Moschytz, G.S. Basic theory of switched capacitor filters 1-39883
- Moschytz, G.S. The analysis and design of biphase and multiphase SC networks 1-45241
- Moschytz, G.S. The analysis of sensitivity to parasitics using Bode's concepts 1-50361
- Moschytz, G.S., Horn, P. Active filter design handbook. For use with programmable pocket calculators and minicomputers 1-45497
- Moschytz, G.S. *see* Brugger, U.W. 1-45469
- Moschytz, G.S. *see* Zeman, J. 1-45552
- Moscicka-Grzesiak, M. *see* Krolkowski, Cz. 1-32489
- Mosebach, H. *see* May, H. 1-49500
- Mosebach, H. *see* Weh, H. 1-49506
- Moseley, P.T. *see* Dell, R.M. 1-35344
- Mosely, J. Motion picture sound in record-industry perspective 1-29925
- Mosely, J. *see* Humblet, P.A. 1-29244
- Moser, H.P., Dahinden, V., Friederich, H., Lenarz, K., Potocnik, O. Development trends in insulation systems for transformers 1-44129
- Moser, L. *see* Ho, C.Y. 1-45607
- Moser, P.J., Murphy, J.D., Nagl, A., Uberall, H. Resonances and surface waves on conducting spheres with a dielectric coating 1-42292
- Moser, R.L. *see* Imamura, M.S. 1-31112
- Moses, A.J. *see* Radley, G.S. 1-38955
- Moses, P. *see* Shroot, T.R. 1-32947
- Moses, R.L. *see* Cadzow, J.A. 1-37627
- Moshchalkov, V.V. *see* Brandt, N.B. 1-32646
- Moshenskii, Yu.A., Petrichenko, A.M. The air-arc treatment of castings 1-44530
- Mosher, D. *see* Bleach, R.D. 1-48445
- Mosher, L.G. *see* Brown, A.J. 1-50502
- Moshinskiy, A.V. An electrodynamic analysis of a sub-shaped support for active microwave elements in a rectangular waveguide 1-37346
- Moshinskiy, A.V. *see* Berezovskiy, V.K. 1-46994
- Moshkalev, S.A. *see* Batishche, S.A. 1-33282, 1-46788
- Moshkina, S.N. *see* Kotlikov, E.N. 1-36156
- Moshkov, A.V. *see* Vanke, V.A. 1-32562
- Mosig, J.R., Gardiol, F.E. Numerical methods for current analysis in microstrip planar antennas 1-41334
- Moskalev, D.A. *see* Vetrov, O.D. 1-36083
- Mosko, S.W. *see* Lord, R.S. 1-42893
- Mosko, S.W. *see* Martin, J.A. 1-42895
- Moskovitz, G. *see* Polise, A.T. 1-42312
- Moskowitz, H., Ravindran, A., Klein, G. A bicriteria model for acceptance sampling in quality control 1-39417
- Moskowitz, P.A. Electrical performance of high density probe array for testing Josephson circuit chips 1-28325
- Moskowitz, P.A. *see* Byrnes, H. 1-36846
- Moskowitz, S.M., Bailey, M.C. Techniques for prediction of large nonanalytic reflector antenna performance 1-41399
- Mosley, J.M. *see* Berndmaier, E. 1-40634
- Mosley, J.M. *see* Dorler, J.A. 1-40685, 1-40689
- Mosnier, A. *see* Aune, B. 1-48429
- Mosquera, L.D. *see* Picciocchi, A. 1-52303
- Moss, C.E. *see* Sliney, D.H. 1-48755
- Moss, F.H. *see* Jaffe, J.M. 1-37766
- Moss, F.H. *see* Markowsky, G. 1-29237
- Moss, J. More options for electricity in store 1-35093
- Moss, J. Soviet plan to span long distances at high voltages 1-38717
- Moss, L. *see* Behrend, H.-J. 1-43229
- Moss, S.C., Lindle, J.R., Mackey, H.J., Smirl, A.L. Measurement of the diffusion coefficient and recombination effects in germanium by diffraction from optically-induced picosecond transient gratings 1-50746
- Mossberg, K. *see* Signell, S. 1-27493
- Mossino, S., Pellegrino, E., Testa, D. A computerised test bed system 1-39175
- Mossman, P. Ceramic components for optical-fibre systems 1-40894
- Mossman, P. Connectors for optical fibre systems 1-47687
- Mossman, P. *see* Goodkin, E.M. 1-42264
- Mosso, M.M. *see* Podcameni, A. 1-50614
- Mossotto, C. *see* Micciarelli, A. 1-29474
- Most, A. *see* Gewirtz, H. 1-52772
- Mostafa, M.Z. *see* Mohamadein, A.L. 1-53417
- Mostafavi, H. *see* Barniv, Y. 1-47959
- Mosto, J.R. *see* Wing, W.F. 1-46717
- Mostovnikov, V.A. *see* Batishche, S.A. 1-33282, 1-46788
- Mostoviyak, I.V. Plotting the balanced functions of a power network 1-30693
- Motamedi, M.E., Cserhati, A.F., Staples, E.J., Lim, T.C. Charge distribution and memory effect of piezoelectric gates 1-32956
- Motamedi-Azari, M., Daruvala, D.J. Problems encountered in realising a fully distributed RC network using thick film technology 1-27722
- Mote, C.D., Jr. *see* Lieu, D.K. 1-30461
- Motegi, M. *see* Sugai, T. 1-29977
- Motegi, N. *see* Kurihara, H. 1-37151
- Mothi, F.T. *see* Barclay, D.J. 1-30211
- Motiu, C. *see* Maftei, M. 1-49252
- Motley, A.J. Assessment of SSB for land mobile radio 1-47572
- Motley, C.H., Everhart, R.W., Walton, R.L. Maintaining stored program controlled equipment 1-37835
- Moto-Oka, T. *see* Tanaka, H. 1-47391
- Motohashi, S., Hashimoto, M., Sasaki, T. CM editing system for TV broadcasting 1-47814
- Motomitsu, T. *see* Koga, H. 1-33387, 1-47511
- Motonaga, S. *see* Fujisawa, T. 1-43160
- Motonaga, S. *see* Ueda, N. 1-43159
- Motosugi, G. *see* Kagawa, T. 1-27925
- Motosugi, K. *see* Sumiyoshi, M. 1-38318
- Motoyama, S., Saito, T., Yamagami, T., Inose, H. An envelope voice system for subscriber loop multiplexing 1-47500
- Motsiff, W.T., Poulin, N.R. Alpha particle shielding processes [memory protection] 1-27416
- Motsiff, W.T. *see* Davis, D.E. 1-40526
- Motskus, E.B., Gancho, G.N., Gromov, O.V. Increasing the light transmission coefficient of electrophotographic diapositives 1-37015
- Mott, H., McCoy, J.W. A near-field bistatic scattering model 1-42326
- Mott, J.E. *see* Ackermann, N.J., Jr. 1-35011
- Mottier, P., Valette, S. Integrated Fresnel lens on thermally oxidized silicon substrate 1-36961
- Motyka, P. A failure detection and isolation system for tactical aircraft with separated IMUs 1-52879
- Motz, G. *see* Deiters, K. 1-30336
- Motz, J.W. *see* Dick, C.E. 1-38244
- Mou-yuan Zou *see* Zou Mou-yuan
- Moufiah, H.T., Ma, A. A microprocessor-based two wire full duplex synchronous data set 1-29510
- Mougeot, M. *see* Auray, J.P. 1-44907
- Mouissie, B. The development of a universal fibre optics disconnect system 1-28484
- Moulder, J.F. *see* Nowicki, R.S. 1-32079
- Moule, G.L., Bale, R.A., Browning, T.I. A 1 GHz bandwidth USA compressive receiver 1-36769
- Moulic, J.R. *see* Logue, J.C. 1-40633
- Moulin, J. The scope of voice acquisition 1-33585
- Moulin, M. *see* Henry, Y. 1-27121
- Moulinier, J.C. *see* Halbesien, M. 1-49311
- Moulsley, T.J., Asimakopoulou, D.N., Cole, R.S., Caughey, S.J., Crease, B.A. Acoustic Doppler wind velocity measurements using a simple phase-lock loop 1-34379
- Moulsley, T.J., Haddon, J., Lo, P., Vilar, E. Measurement and modelling of the probability density function of amplitude scintillations on an X-band satellite down-link 1-51603
- Moulsley, T.J. *see* Haddon, J. 1-46914
- Mounib, A. *see* Gentil, P. 1-36636
- Mount, A.M. The ionised air approach to neutralisation [safe electrostatic discharge for MOS device protection] 1-28122
- Mount, G.H. *see* Timothy, J.G. 1-34285
- Mount, R.M. *see* Cassidy, M. 1-31780
- Mount, R.P. The measurement of intense particle beams 1-52678
- Mountain, P. *see* Davidson, C.J. 1-29561
- Mountain, R.W. *see* Geis, M.W. 1-45087, 1-45092
- Mountain, R.W. *see* Withers, R.S. 1-46310
- Moura, A., Field, J. Collision-control algorithms in carrier-sense multiple-access (collision-detection) networks 1-29426
- Moura, J.A.B. *see* Wong, J.W. 1-29452
- Moura, J.M.F. The hybrid algorithm: A solution to acquisition and tracking [sonar] 1-47710
- Moura, J.M.F. *see* Bucy, R.S. 1-33476
- Mourier, G. A simplified theory of electromagnetic machines and a description of some new ones 1-53491
- Mourou, G., Knox, W., Stavola, M. Optoelectronic switching in the picosecond time domain and its applications 1-28587
- Mourou, G., Stancampiano, C.V., Blumenthal, D. Picosecond microwave pulse generation 1-36341
- Mourou, G. *see* Albrecht, G.F. 1-51417
- Mourou, G. *see* Bunkenberg, J. 1-51410
- Mourou, G. *see* Harvey, G.T. 1-28703
- Mourou, G. *see* Knox, W. 1-38134
- Mourou, G. *see* Sizer, T., II 1-37090
- Mourou, G. *see* Williamson, S. 1-50726
- Mousa, A.M. Ground switch interrupting duty and total ground current imposed by induction from parallel transmission lines—a quantitative analysis for the range 69 kV-1150 kV 1-49137
- Moustakas, S., Dell, J.M., Calligaro, R.B., Nassibian, A.G., Hullett, J.L. Circuit switching analysis for optically excited metal-insulator (tunnel)-silicon thyristor (MIST) 1-36608
- Mouthuy, C. *see* Jespers, P.G.A. 1-41012
- Mowafi, O. *see* Ephremides, A. 1-29719
- Mowat, J.R. Time of flight position-sensitive X-ray detection 1-38462
- Mowforth, P.H. *see* Brown, C.R. 1-34279
- Moxness, R. James Bay ahead of schedule: provides for power export to US 1-38922
- Moyer, J.W. Future energy sources for electric utilities 1-30653
- Moyer, M.D. *see* Biegelsen, D.K. 1-27090
- Moyer, M.D. *see* Johnson, N.M. 1-40439, 1-46002
- Moyer, R., Agmon, P., Koch, T.L., Yariv, A. Ultrafast magnetophotoreconductivity of semiinsulating gallium arsenide 1-28563
- Moyer, R.H., Agmon, P., Koch, T.L., Yariv, A. Ultrafast magnetophotoreconductivity of semiinsulating gallium arsenide 1-51248
- Moyer, S.F. *see* Aull, D.W. 1-33873, 1-52001
- Moyer, S.F. *see* Green, J.H. 1-52024
- Moynahan, G.F., Jr. A voltage-regulated, high-current 13.8 volt power supply 1-29599
- Moynihan, C.T. *see* Drexhage, M.G. 1-40932
- Moynihan, T. *see* Dochat, G. 1-31216
- Mozalevsky, I.A. *see* Ageyev, A.I. 1-42866
- Mozden, J. *see* Geprags, W. 1-40645
- Mozer, J.D., Wood, W.A., Hribar, J.A. Broken wire tests on a model transmission line system 1-30701
- Mozin, I.V. *see* Ageyev, A.I. 1-42866
- Mozina, C.J. Stretch your substation transformer rating 1-44132
- Mozumdar, S. *see* Mazumder, M.K. 1-52603
- Mozumder, A. *see* Arya, N.S. 1-52720
- Mozumder, S. *see* Golabi, K. 1-43823
- Mozzi, R. *see* Ayasli, Y. 1-36342
- Mrha, J. *see* Koudelka, V. 1-35345
- Mrha, W. *see* Gibson, J.P. 1-53725
- Mrkvicka, O. Analysis of voltage drops in two parallel fully controlled three-phase bridges 1-40145
- Mroczkowski, I.H. *see* Clifton, B.J. 1-45695
- Mroczkowski, J.A., Shanley, J.F., Reine, M.B., LoVecchio, P., Polla, D.L. Lifetime measurement in  $\text{Hg}_{0.7}\text{Cd}_{0.3}\text{Te}$  by population modulation 1-33101
- Mroczkowski, J.A., Vydyanath, H.R. Liquid phase epitaxial growth of  $\text{Hg}_{1-x}\text{Cd}_x\text{Te}$  from tellurium-rich solutions using a closed tube tipping technique 1-32061
- Mrozek, B. Analysis of the commutation process in a system comprising a current inverter and a squirrel-cage motor 1-53440
- Mroziewicz, B. Modern designs of junction lasers 1-41087
- Mrstik, A.V., Smith, P.G. Scanning capabilities of large parabolic cylinder reflector antennas with phased-array feeds 1-41383
- Mrugowsky, H. Parameter determination for three-phase induction motors in double squirrel-cage representation with characteristic data 1-31224
- Msciwojewski, E. *see* Grabowski, A. 1-49425
- Mu, G.G., Chiang, C.K., Liu, H.K. White-light image addition and subtraction by colorimetric measurement 1-47242
- Mu Tian *see* Tian Mu

- Mucciardi, A.N., O'Brien, L.J., Dau, G.J.** Signal analysis and nondestructive control 1-47203
- Mucciardi, A.N., Shankar, R.** Near-surface defect detection 1-35989
- Mucha, J.** Hardware techniques for testing VLSI circuits based on built-in test 1-32869
- Mucha, J.** *see* Starke, C.W. 1-40055
- Mucha, J.A., Bossard, P.R.** Application of IR diode lasers to trace water vapor measurements in microvolume samples 1-51550
- Muck, G.** Radar air traffic control in W.Germany 1-52141
- Muck, N.** *see* Koziorowski, K. 1-34224
- Muckersie, J.B.O., Sherlock, E., Weeks, J.C.** A modelling approach to planning product innovative research 1-39342
- Mudhedkar, D.** *see* Komaragiri, K.G. 1-34935
- Mudrinski, V.** Real K-theory of complex projective spaces 1-50181
- Mudroncik, D.** *see* Bizik, J. 1-53005
- Muehldorf, E.I.** High speed integrated circuit characterization and test strategy 1-46213
- Muehleisen, T.** *see* Barchanski, J.A. 1-29436
- Muehlelehner, G., Wake, R.H., Sano, R.** Standards for performance measurements in scintillation cameras 1-34598
- Muehlelehner, G.** *see* Colsher, J.G. 1-34576
- Muehlner, D.J.** *see* Wolfe, R. 1-46445
- Mueller, B.A.** *see* Storms, E.K. 1-40344
- Mueller, H.** *see* Laming, F.P. 1-28242
- Mueller, J.J., Bechis, D., Chang, G.K., Imlay, R., Potter, D., Sannes, F., Skubic, P., Stone, R.** The CLEO photon shower detector 1-34441
- Mueller, M., III** *see* Hahan, F.W., Jr. 1-42599
- Mueller, P.T., Jr., Siegel, L.J., Siegel, H.J.** Parallel algorithms for the two-dimensional FFT 1-27089
- Mueller, R.S.** ATE in new areas of technology 1-38117
- Mueller, V.C.** Nickel-hydrogen battery integration study for the Multimission Modular Spacecraft 1-31431
- Mueller, V.C., Webb, D.A.** Nickel-cadmium batteries for the modular power subsystem 1-31426
- Mueller, W.** *see* Choberka, J.M. 1-26908
- Mueller, W.F.** *see* Bayer, E.H. 1-40497
- Mueser, R.** What is technical innovation? 1-31804
- Mugioiu, F., Iota, C.** A study concerning the use of microprocessor 885 for the analysis of biological waves 1-29974
- Muhammed, N.A.** *see* Gupta, S.C. 1-53714
- Muhlethaler, B.** Battery-less charge notifier: Ten Rappen per pulse 1-37793
- Muhling, A.** *see* Engel, W. 1-27665
- Muhr, M.** Measuring apparatus for determining the condition of the insulation in high voltage equipment 1-52496
- Mui, S.Y.** A nonparametric method of receiver timing acquisition and tracking 1-37561
- Muilwijk, D.** Correlative phase shift keying—a class of constant envelope modulation techniques 1-29065
- Muir, A.W., de Belin, M.J.** The field evaluation of A 140 MBit/s digital radio relay system in the 11 GHz band 1-42191
- Muir, D.K.** Organisation changes and growth in electricity supply 1-43585
- Muirhead, C.M.** A method for refilling the reservoir on a commercial argon ion laser 1-41050
- Mukae, H., Matsuda, S.** Diagnosis of gas-insulated substations by partial-discharge detection 1-53581
- Mukae, H.** *see* Okutsu, N. 1-44278
- Mukai, E.** *see* Muta, I. 1-38965
- Mukai, H.** Parallel algorithms for solving systems of nonlinear equations 1-39695
- Mukai, H., Singh, J., Spare, J.H., Zaborsky, J.** A reevaluation of the normal operating state control of the power system using computing control and system theory. II. Dispatch targeting 1-34780
- Mukai, S., Yajima, H., Shimada, J.** Surface decomposition of GaAs substrates in LPE growth of InGaAsP and its effect on crystal quality 1-39800
- Mukai, T.** State of the art of mobile and transportable power supplies used in commercial power failure and emergency in NTT 1-43628
- Mukai, T.** *see* Yamamoto, Y. 1-33232
- Mukashev, B.N., Nusupov, K.Kh., Tamendarov, M.F., Chasnikova, S.S.** Recombination properties of silicon doped by implantation of hydrogen ions 1-32624
- Mukashev, B.N.** *see* Kilodin, L.G. 1-32622
- Mukhametshin, V.I., Chalyi, Yu.R., Romanov, V.A.** Automated monitoring of high voltage in EGP-10M accelerator 1-30289
- Mukhedkar, D.** *see* Dawalibi, F. 1-43773, 1-49169
- Mukhedkar, D.** *see* Khadkikar, S. 1-31806
- Mukhedkar, D.** *see* Komaragiri, K.G. 1-43772
- Mukhedkar, D.** *see* Pelletier, J.M. 1-46348
- Mukhedkar, D.** *see* Verma, R. 1-30809
- Mukherjee, A., Dhekane, S.B., Sinha, G.L.** Development of reading-writing device for sightless people 1-30388
- Mukherjee, A.** *see* Gheewala, T.R. 1-27410, 1-45391
- Mukherjee, D.K.** Future fuels for gas turbines 1-31048
- Mukherjee, D.K., Wicki, A.** Development of the gas turbine blading 1-31047
- Mukherjee, K.** The King Khaled hospital and the faculty of medicine in Riyadh 1-43389
- Mukherji, U.** *see* Verghese, G. 1-53558
- Mukhopadhyay, A.K.** Stability and the transient analysis of the repulsion motor by the Kronian method of approach 1-44102
- Mukhopadhyay, M., Shome, N.R.** Subharmonic and ultraharmonic responses of an oscillator to a pure FM waves 1-36132
- Mukhopadhyay, N.** Some results in sequential pattern recognition 1-33694
- Mukhopadhyay, N.** Sequential approach of simultaneous estimation of the mean and variance 1-50160
- Mukhopadhyay, P.** *see* Ghai, A.K. 1-38813, 1-38837
- Mukhopadhyay, P.** *see* Jain, S.K. 1-38668
- Mukhopadhyay, P.** *see* Sarkar, B.N. 1-49429
- Mukhortov, A.M.** *see* Gubin, V.V. 1-35520
- Mukimov, K.M.** *see* Valiev, U.V. 1-28237
- Mukosiej, J.** *see* Zapasnik, R. 1-53370
- Mukunashi, H., Fujiwara, K., Takimoto, H., Hattori, Y., Yamaniishi, T., Tanaka, G., Kameo, Y.** Optical fiber cord designed for local data communication systems 1-37914
- Mulawka, J.J.** Switched-capacitor analogue delays comprising unity gain buffer 1-27490
- Mulawka, J.J.** A class of active RC filters having the same decomposition of denominator 1-27499
- Mulawka, J.J.** Synthesis of single-amplifier switched-capacitor networks 1-45236
- Mulawka, J.J.** Switched-capacitor implementation of analogue sampled-data recursive filters 1-45467
- Mulford, K.** *see* Hennen, H.A. 1-29659
- Mulhaupt, G.** *see* Thompson, D.J. 1-48292
- Mulholland, G.T.** *see* Barton, H.R., Jr. 1-42833
- Mulla, M.R., Pawar, S.H.** Electroluminescence of  $\text{CaSO}_4\text{:Bi}$  phosphors 1-37025
- Mullaney, P.** Recent developments in hydrogen peroxide/sulfuric acid etching 1-27699
- Mullani, N.A., Ficke, D.C., Hartz, R., Markham, J., Wong, G.** System design of fast PET scanners utilizing time-of-flight 1-34579
- Mullen, D.L.** *see* Mersch, S.H. 1-46768, 1-47950
- Muller, A.** *see* Jethwa, J. 1-46769
- Muller, B.** MTI loss with coherent integration of weighted pulses 1-52125
- Muller, C., Weimert, G.** Repeated line coaxial cable systems 1-29270
- Muller, D.** *see* Kirsch, W. 1-35795
- Muller, F.** *see* Borodachev, A.S. 1-31712
- Muller, G., Jovanovic, D., Haas, P.** Tracks-gravel-bridge interaction 1-39650
- Muller, G., Le Comber, P.G.** Implantation damage in amorphous silicon 1-32662
- Muller, G., Temes, G.C.** A simple method for the computation of the frequency response of a class of switched-capacitor filters 1-36067
- Muller, G.** *see* Pfeilsticker, R. 1-40425
- Muller, G.O.** *see* Egorov, V.D. 1-46624
- Muller, H.** Radio relay links used by electrical power supply undertakings 1-42184
- Muller, H.** Points of view in radio relay network planning for electricity supply undertakings 1-42185
- Muller, H.** *see* Behrend, H.-J. 1-43229
- Muller, H.** *see* Bodschwinna, H. 1-44623
- Muller, H.** *see* Bogelsack, M. 1-34328
- Muller, H.** *see* Gebler, H. 1-34819
- Muller, H.** *see* Gelke, K. 1-42007
- Muller, H.** *see* Kuhne, F. 1-42025
- Muller, H.-J.** *see* Alpers, W. 1-30557
- Muller, H.R.** *see* Meyr, H. 1-29330
- Muller, J.** Potential for competition and the role of PTTs [telecommunication] 1-29264
- Muller, J., Reindl, P.** The determination of quality data by Siemens-Albis 1-39414
- Muller, J.** *see* Jordan, H. 1-31519
- Muller, J.** *see* Junior, P. 1-38336
- Muller, J.C.** *see* Stuck, R. 1-36501
- Muller, K.** Emergency generators in public exchanges 1-43973
- Muller, K.** *see* Fink, H. 1-35290
- Muller, K.** *see* Guldseth, O.J. 1-49637
- Muller, K.D.** *see* Stoff, H. 1-34498
- Muller, K.-H.** *see* Lefranc, G. 1-45888
- Muller, K.-P.** *see* Bollman, H. 1-48988
- Muller, L.** Plating and etching using stored program control 1-36403
- Muller, L.** The operating principles and employment of regulators with programmable stores (RPS). III 1-49957
- Muller, L.** The operating principles and use of regulators with programmable stores (RPS). IV 1-50023
- Muller, M., Guntherodt, H.-J.** A pendulum balance for high temperature magnetic susceptibility measurements 1-29981
- Muller, M., Weber, C.** Classification process for three-dimensional objects 1-47237
- Muller, M.W.** Collisionless space-charge limited currents in semiconductors with nonparabolic bands 1-32596
- Muller, M.W., Weng, R.** The shape of propagating stripe domains 1-46454
- Muller, N., Tenne, R.** The effect of photoelectrochemical etching on the performance of CdTe polysulfide photoelectrochemical cells 1-53616
- Muller, N.** *see* Henkel, H.J. 1-53123
- Muller, P.** Progress in the protection of series compensated lines and in the determination of very high earth fault resistances 1-38795
- Muller, P., Harrison, P.** A systematic approach to testing and supervising solid-state protection equipment 1-38802
- Muller, P.** *see* Nolscher, C. 1-40847
- Muller, R.** The dashboard computer 1-31602
- Muller, R.** A single-chip microcomputer for motor vehicles 1-44457
- Muller, R.** Influence of the development of exhaust gas turbochargers on the economics of diesel engine plants 1-49305
- Muller, R., Oswald, E.** From Strowger switch to microprocessor. Components and switching techniques in local and remote stations 1-42060
- Muller, R., Ulrich, F.** Live part contact time limitation by human reaction 1-49963
- Muller, R.O., Scheidegger, R.** Corrosion behaviour of seawater-cooled condenser tubes made of nonferrous metals 1-30992
- Muller, R.S.** *see* Chen, P.L. 1-36806
- Muller, R.W., Deitinghoff, H., Halfmann, K., Junior, P., Klein, H., Langbein, K., Miller, J., Neumann, W., Schempp, A.** Proton model of a heavy-ion RFQ linac 1-48336
- Muller, R.W.** *see* Junior, P. 1-38336
- Muller, S.** High-precision measuring method for group standards represented by example of the standard cells 1-34173
- Muller, S.** Comparison measurement of a group of standard cells 1-34174
- Muller, T.** *see* Sauerbrey, W. 1-31862
- Muller, W., Wenz, R.** A computer program for calculating stationary 2- or 3-dimensional nonlinear magnetic or electric field or temperature distribution [electrical machines] 1-53346
- Muller, W.** *see* Andresen, E. 1-38972
- Muller, W.W.** The IEC-bus as an effective aid for electronic measurement and control 1-47917
- Muller-Hellmann, A.** *see* Becker, W. 1-44182
- Mullett, B.** Arranging a light reception—fibre optic receivers 1-47663
- Mulley, W.** *see* Brindle, J. 1-30208
- Mulligan, G.A., Backer, M., Wicks, F.E., Chung Duck Ko, Rutz, W.L.** Applications of improved financial simulation techniques to the evaluation of electric energy alternatives for New York State 1-43609
- Mulligan, G.A., Becker, M., Wicks, F.E., Chung Duck Ko, Rutz, W.L.** Applications of improved financial simulation techniques to the evaluation of electric energy alternatives for New York State 1-34765
- Mullin, J.B.** *see* Irvine, S.J.C. 1-39748
- Mullin, R.C., Schellenberg, P.J., Stinson, D.R., Vanstone, S.A.** Some results on the existence of squares 1-27022
- Mullins, G.A.** A trade-off analysis of electro-optical wavelengths for tactical air-to-ground weapon systems 1-52955
- Mullis, C.T.** *see* Mills, W.L. 1-47189
- Mullord, P.** *see* Snell, C. 1-39693
- Multani, J.** *see* Kalet, M. 1-32253
- Multitaru, V.** A method of gradual generating the co-trees of a linear graph 1-35817
- Mumford, H.** *see* Altmann, W. 1-42140
- Mumford-Van Urk, H.** *see* Cross, J.A. 1-35983
- Mummert, C.R.** *see* Sun, S.C. 1-43795, 1-49180
- Mumola, J.L.** *see* Bobo, K.N. 1-30004
- Mun, J., Phillips, J.A., Barry, B.E.** High-yield process for GaAs enhancement-mode MESFET integrated circuits 1-46309
- Munakata, C., Miyazaki, M.** A novel method of electron beam recording on a Si wafer 1-32742
- Munasinghe, M.** Principles of modern electricity pricing 1-30637
- Munasinghe, M.** An energy planning and policy framework for developing countries 1-44637
- Munasinghe, M.** Electricity pricing: a comprehensive framework 1-48960
- Munch, E., Richter, B., Stein, G.** New models of international cooperation 1-43827
- Munch, J.** *see* Boehmer, H. 1-46663
- Munck, H.de** *see* de Munck, H.
- Munday, P.J.** *see* Preston, R.J. 1-46943
- Munday, S., Harrison, K.R.** Transmission planning standards and the introduction of digital telephony systems 1-41908
- Mundl, W.J.** Milliampere current source is voltage-controlled 1-27245
- Mundl, W.J.** Time base generator for CRT display 1-32231
- Mundt, J.** *see* Daum, D. 1-49962
- Munezawa, K.** *see* Saitoh, K. 1-37994
- Munford, R.** Supplying power to the market—new techniques replacing the old 1-27252
- Munger, R.H.** *see* Molvik, A.W. 1-48453

- Munier, J., Delisle, G.Y., Faure, B., Cummins, J.A. Direction-finding using a discrete space-matched filter 1-52176
- Munier, J. *see* Delisle, G.Y. 1-47044
- Munk, B.A. *see* Pelton, E.L. 1-41297
- Munn, J. *see* Duris, R. 1-27292
- Munns, F.C., Wicken, G.W. London goes electric programme 1-31587
- Munoz-Vague, A., Bafleur, M. Shallow defect etching of GaAs using AB solution under laser illumination 1-40517
- Munro, G.S. *see* Kosel, P.B. 1-48040
- Munser, H., Roschlaub, W., Walther, K., Weidlich, H.-G. Integrated district heating in the German Democratic Republic—an effective contribution to the rational utilisation of energy resources 1-35024
- Munshi, S. *see* Morrison, M. 1-39459
- Munson, D.C., Jr. On finite wordlength FIR filter design 1-27526
- Munson, D.C., Jr. Determining exact maximum amplitude limit cycles in digital filters 1-40140
- Munson, D.C., Jr. Accessibility of zero-input limit cycles [digital filters] 1-50575
- Munson, D.C., Jr., Liu, B. Floating point roundoff error in the prime factor FFT 1-45071
- Munson, G. *see* Berger, T. 1-37674
- Muntanga, N.E. *see* Bennett, J.C. 1-41322
- Munteanu, B.V. *see* Lucanu, T.M. 1-49557
- Munteanu, F. *see* Dumitrache, I. 1-39146
- Munteanu, I. *see* Molea, M. 1-38495
- Munteanu, S. *see* Cristescu, D. 1-49129
- Muntener, R. Modular system for fully automatic circuit board testing: an economic-technical view 1-42524
- Muntz, V.A., Holmes, P.G. In-situ testing of current transformers without interruption of the supply 1-44180
- Munz, L. A standard electronic interface 1-48022
- Munz, M. *see* Marowsky, G. 1-41048
- Munzel, J., Wollnik, H., Pfeiffer, B., Jung, G. A high-temperature ion source for the on-line separator OSTIS 1-48547
- Munzenberg, G. *see* Zienert, J. 1-52636
- Munzer, H., Rohrer, L., Skorka, S.J. Improved performance of the Munich MP tandem: a status report 1-42845
- Munzer, H. *see* Ranzinger, E. 1-43130
- Munzer, U. *see* Bodechtel, J. 1-30540
- Munzing, H. *see* Kruger, K. 1-49551
- Muoy, Y.H., Charles, J.P., Abdelkrim, M. Reliable and economical circuit IV characterization solar cells 1-39114
- Muradyan, A.G. *see* Grodnev, I.G. 1-47693
- Muraguchi, M., Naito, Y. Nonreciprocal devices in open-boundary structures for millimeter-wave integrated circuits 1-45609
- Murahashi, T. *see* Nakamura, G. 1-40421
- Murahashi, T. *see* Nakaoka, M. 1-32163
- Murai, F. *see* Mochui, K. 1-40490
- Murai, I. *see* Akimoto, T. 1-43260
- Murai, S. *see* Kanada, H. 1-36211
- Murai, S. *see* Tanaka, C. 1-45412, 1-46266
- Murai, T., Kagawa, Y. A finite element model for the inverse problem in electrocardiography 1-34628
- Murai, Y. *see* Toya, H. 1-39097, 1-44271
- Murai, Y. *see* Ueda, Y. 1-35310, 1-49616
- Murakami, H. FIR filter design by a Z-transform on a finite ring 1-40117
- Murakami, H., Hatori, Y., Matsumoto, S., Mizuno, T., Sato, G., Kinuhata, K. Satellite test results of 30 Mbps digital TV transmission 1-42211
- Murakami, H., Irie, K. A receiver system with a pitch synchronized interpolator 1-52078
- Murakami, H., Kinuhata, K., Yamamoto, H., Muratani, T. Satellite test results of 30 Mbits/s digital TV transmission 1-47617
- Murakami, H., Segs, S., Tajima, T. An experimental TV display using a gas-discharge panel with internal memory 1-34086
- Murakami, H. *see* Suzuki, T. 1-33257
- Murakami, H. *see* Watanabe, T. 1-33960
- Murakami, K., Fujino, T., Umeda, Y. A pulse shaping filter design 1-40006
- Murakami, K., Suzuki, K., Nakayama, K., Yoshino, Y. Completion of 330 kV long-distance underground transmission line in Australia 1-38761
- Murakami, K., Takeda, T., Sekiya, T. Development of fuel management code on pressurized water reactors 1-53219
- Murakami, K. *see* Hirao, T. 1-45396
- Murakami, K. *see* Koike, T. 1-29108
- Murakami, K. *see* Oraby, A.H. 1-32697
- Murakami, K. *see* Seko, A. 1-28770
- Murakami, M. Thermal stability of Pb-alloy Josephson junction electrode materials. I. Effects of film thickness and grain size of Pb-In-Au base electrodes 1-40854
- Murakami, M. Thermal stability of Pb-alloy Josephson junction electrode materials. II. Effects of SiO coating on Pb-In-Au base electrode 1-40855
- Murakami, S., Furuya, Y., Otani, S., Tanimoto, Y. Optimum filters and their tolerance for non-linear satellite channels 1-47608
- Murakami, S. *see* Okada, M. 1-47225
- Murakami, S. *see* Rurya, Y. 1-47093
- Murakami, Y., Ikeda, M. Single-mode optical Y-branching circuit using deposited silica guides (DS guides) 1-36964
- Murakami, Y., Nishimura, M., Shintomi, T., Masuda, M. Identification of control system of superconducting magnet 1-28376
- Murakami, Y., Okada, T., Yamamoto, J., Inuishi, Y., Mitsuishi, A., Nishimura, M. 0.5 MJ superconducting pulse magnet for energy storage 1-28372
- Murakami, Y. *see* Izawa, T. 1-28513
- Murakami, Y. *see* Komatsu, Y. 1-45326
- Murakami, Y. *see* Taniguchi, T. 1-51135
- Murakawa, H., Reed, K.W., Atluri, S.N., Rubenstein, R. Stability analysis of structures via a new complementary energy method 1-39678
- Murakawa, K. *see* Sato, T. 1-32483
- Murali, K.R., Rao, D.R. Electrical conductivity of zinc phosphide thin films 1-27839
- Murali, S. *see* Sreedhar Murthy, Y. 1-52938
- Murali, S. *see* Suryanarayana Rao, S.V. 1-52937
- Muranaka, N., Imanishi, S. Constructions of ternary sequential logic circuits 1-45401
- Muranaka, N., Imanishi, S. Constructions of ternary flip-flop circuits using CMOS-ICs 1-45404
- Murano, R. *see* Lewellen, T.K. 1-34599
- Murao, Y. *see* Kudoh, O. 1-28025
- Muraoka, K. *see* Okada, T. 1-46772
- Murari, B. High-capacity integrated circuits 1-32862
- Murari, B. *see* Bertotti, F. 1-39199
- Murari, K., Agrawal, R.K. Explicit results in heterogeneous queues with general distribution 1-39507
- Murari, K., Maruthachalam, C. 2-unit parallel system with periods of working and rest 1-35688
- Murari, K., Maruthachalam, C. 2-unit standby system with proviso for rest and maximum rest 1-50053
- Murari, K., Parkash, K. A queue with correlated interarrival time distributions 1-39508
- Murarka, N.P. *see* Tsung-Yuan Hsu 1-45968
- Murarka, S.P. *see* Fraser, D.B. 1-46318
- Murase, H., Kimura, F., Yoshimura, M., Miyake, Y. An improvement of the auto-correlation matrix in the pattern matching method and its application to handprinted 'HIRAGANA' recognition 1-41821
- Murase, H. *see* Saegusa, T. 1-39991
- Murase, K. The structural phase transition in IV-VI semiconductors 1-27843
- Murase, K. *see* Andoh, S. 1-45879
- Murase, K. *see* Ishida, S. 1-45967
- Murase, K. *see* Kurahashi, K. 1-42538
- Murase, K. *see* Uchiike, H. 1-45880
- Murase, S. *see* Shiraki, H. 1-28276
- Murase, Y. *see* Nakao, Y. 1-45048
- Murashige, J. MSI designs interface ADCs to  $\mu$ Ps better than VLSI chips 1-50487
- Murashko, A.N. *see* Izrailev, Y.L. 1-35056
- Murashko, N.A. *see* Gamm, A.Z. 1-30645
- Murata, H. *see* Hosoba, M. 1-43326
- Murata, H. *see* Nagasawa, S. 1-29738, 1-40916
- Murata, H. *see* Takata, H. 1-46547
- Murata, I. Keyboard switches increase in diversity as application areas expand 1-40271
- Murata, K., Ishii, S. Long distance cable transmission system of video signal 1-29906
- Murata, K., Kurokawa, M., Ishii, S. Long distance multiple transmission line with coaxial cable 1-29905
- Murata, K., Kurokawa, M., Ishii, S., Tani, S. Transmission of local information on CATV system 1-29907
- Murata, K., Kyser, D.F., Ting, C.H. Monte Carlo simulation of fast secondary electron production in electron beam resists 1-50855
- Murata, K. *see* Bara, N. 1-47205
- Murata, K. *see* Sato, T. 1-33207
- Murata, K. *see* Shimodaira, M. 1-31427
- Murata, S. *see* Ito, H. 1-37113, 1-41104
- Murata, T., Matsuura, S., Yih-Chyun Jenq Tuning voltage sweeper based on digital technique 1-32380
- Murata, T. *see* Johnson, J.L. 1-44938
- Murata, T. *see* Kikkawa, S. 1-33648
- Murata, T. *see* Matsu-ura, S. 1-38008
- Muratani, T. *see* Murakami, H. 1-47617
- Muratov, B.M. *see* Arutyunov, V.E. 1-48082
- Muratov, E.S. *see* Znamenskiy, A.E. 1-40772
- Muratov, V.A. *see* Zarechenskii, A.V. 1-44534
- Muratov, V.I. *see* Galst'yan, V.G. 1-32653
- Muravchik, C.H., Dalponte, G.A., Quijano, A.A. Automatic resistance meter in hybrid thick film circuits 1-32517
- Muravchik, C.H. *see* Morf, M. 1-41753
- Murav'ev, A.M. *see* Krivin, E.V. 1-28194
- Murav'ev, B.N. *see* Omel'chenko, V.A. 1-37528
- Murav'ev, E.I. *see* Dmitriyev, V.F. 1-44220
- Murav'ev, V.V., Noeva, M.R., Salae, A.V., Sharko, A.V. Acoustic control of the quality of heat treatment of alloy D1 1-36006
- Murav'ev, V.V. *see* Komarov, K.L. 1-36007
- Muravin, G.B. *see* Finkel, V.M. 1-35998
- Murayama, M., Itoh, M. The fluctuation of the linear antenna's characteristics caused by the fluctuation of a surface impedance 1-33398
- Murayama, Y., Terano, T. Diagnosis of plant failure by means of fuzzy logic 1-26888
- Murazumi, Y., Yagishita, N., Nakayama, M., Sugihara, Y. Application of ADINA to non-linear analysis of reinforced concrete shear walls with openings 1-39657
- Murch, D.C. Distribution practice and trends—London Electricity Board 1-43679
- Murdock, T., Tandy, P., Walters, P., Wang, D. An infrared sensor designed to measure the diffuse zodiacal light 1-48092
- Mure, H. *see* Matsuo, M. 1-43321
- Muresan, L.V., Pavlasek, T.J.F. Near field investigation of coupling between two horns [antennas] 1-51753
- Muret, P., Deneuille, A. Direct determination of the density of localized states at metal-cleaved Si(111) interfaces 1-27860
- Murgas, J. *see* Bizik, J. 1-53005
- Murgatroyd, P.N., Farrer, W. Optimised designs of toroidal cage coils 1-44170
- Murgatroyd, P.N. *see* Upton, S.R. 1-31557
- Murguis, L.E. Twin optocouplers raise serial transmission speed 1-47666
- Muriel, M.A. *see* Martin-Pereda, J.A. 1-51236
- Murley, P.C. *see* Hsieh, C.M. 1-32610
- Murli, A. Solving elliptic boundary value problems by double sweep method 1-35713
- Murmuzhev, B.A., Popov, V.A. Radiation losses in the case of axial separation of two dielectric striplines 1-37355
- Murnick, D.E., Feld, M.S. Lasers in the production of polarized beams and targets 1-43148
- Muro, K., Yutani, N., Narita, S. Saturation of absorption and photoconductivity due to shallow impurities in semiconductors by high power far-infrared laser beam 1-27787
- Murota, K. Global convergence of Hirano's modification of the Newton method for solving algebraic equations 1-50250
- Murota, K., Hirade, K. GMSK modulation for digital mobile radio telephony 1-47102
- Murota, K., Takeuchi, K. The studentized empirical characteristic function and its application to test for the shape of distribution 1-35738
- Murota, K. *see* Ogose, S. 1-42202
- Murotani, K. *see* Sakurai, T. 1-39073, 1-44200
- Murotani, T. *see* Benson, T.M. 1-28516
- Murotani, T. *see* Oomura, E. 1-33245, 1-37110, 1-41111
- Murovannaya, S.G. *see* Sobolev, S.I. 1-31674
- Murovich, V.I. *see* Gel'man, M.Z. 1-46344
- Muroya, K., Watanabe, S. Experiment on lattice soliton by nonlinear LC circuit—energy of soliton 1-51638
- Murphy, B.T., Edwards, R., Thomas, L.C., Molinelli, J. A CMOS 32b single-chip microprocessor 1-32316
- Murphy, B.T. *see* Shackle, P.W. 1-27663
- Murphy, C.P., Evans, D.J. Chebyshev series solution of the two dimensional heat equation 1-45034
- Murphy, D.J. Target tracking with a linear array in an underwater environment 1-37555
- Murphy, D.J. Key policy directions in C<sup>3</sup>I 1-47305
- Murphy, D.W., Broadhead, J., Steele, B.C.H. (editor) Materials for Advanced Batteries. Proceedings of a NATO Symposium on Materials for Advanced Batteries 1-44328
- Murphy, E.F., Lapiere, R.W., Laing, C.F. Industrialized system for the automated measurements of the optical properties of waveguide fibers 1-28508
- Murphy, J.D. *see* Moser, P.J. 1-42292
- Murphy, J.H. *see* Riemersma, H. 1-44163
- Murphy, J.K. Effects of surface and thin-film anomalies on miniature infrared filters 1-46598
- Murphy, K. *see* Clegg, T.B. 1-43153
- Murphy, M.J. *see* Tuft, D.B. 1-45017
- Murphy, P.V. *see* Latour, M. 1-51065
- Murphy, R.A. *see* Clifton, B.J. 1-45695
- Murphy, R.E., Andrada, T., Cook, F., Billingsley, F., Grieder, W.F., Yap, B.K. Staring infrared mosaic observation of an F-15 aircraft 1-42554
- Murphy, R.J., Akihamo, R., Foner, S., Schwartz, B.B. Further development of powder processed multifilamentary superconductors 1-28299
- Murphy, R.V. Toroidal, conical and spherical lenses in ultrasonic inspection 1-32112
- Murphy, R.W. *see* Michel, J.W. 1-31068
- Murphy, T. *see* Kidd, J. 1-43067
- Murphy, W.J., Young, W.L., Jr. Integrated flight/weapon control design and evaluation 1-52855
- Murray, A. High speed Norton amp 1-39936
- Murray, A., Campbell, R.W.F., Julian, D.G. Computer assisted analysis of frequent complex arrhythmias 1-48740
- Murray, D. *see* Small, M. 1-26963
- Murray, D.W. Microcomputers in substations—An Area Board experience 1-49004
- Murray, G.G., Staley, P.A., Thoma, G.R. Motion-adaptive TV data compression 1-41696

- Murray, H.** *see* Piel, A. 1-28577
- Murray, J.E.** Temporal compression of mode-locked pulses for laser-fusion diagnostics 1-51504
- Murray, J.E., Downs, D.C., Hunt, J.T., Hermes, G.L., Warren, W.E.** Off-axis multipass amplifier as a large aperture driver stage for fusion lasers 1-28679
- Murray, J.R.** *see* Goldhar, J. 1-51527
- Murray, K.** A scattered light imaging system [photoreconnaissance] 1-48906
- Murray, R.J., Schofield, J.** The use of frequency-selective multistrip couplers in surface acoustic wave transversal filters 1-36781
- Murray, R.J., White, P.D.** Surface acoustic wave devices. II. More on bandpass filters, delay lines and oscillators 1-28214
- Murray, R.J., White, P.D.** Surface acoustic wave devices 1-36742
- Murray, S.S.** *see* Griffiths, R.E. 1-47975
- Murray, T.J.** *see* Koper, H.F. 1-48898
- Murray, T.M., Jr.** *see* Cartmill, B. 1-44564
- Murray, W.J.** Digital trunk transmission planning for network modernisation 1-41882
- Murrell, D.** *see* Devlin, W.J. 1-51454
- Murski, K., Wible, P.M.** Problem-solving processes for resist developing, stripping, and etching 1-32502
- Murt, G.E.** The use of voice recognition techniques in the reproduction of Admiralty charts 1-41625
- Murtas, G.P.** *see* Del Fabbro, R. 1-43242
- Murtazaev, Kh.** *see* Gagunashvili, N.D. 1-30326
- Murthy, D.N.P., Day, J.D., Webb, I.R.** A note on the stability of CSDT methods for solving parabolic equations 1-44791
- Murthy, D.N.P., Maxwell, M.R.** Optimal age replacement policies for items from a mixture 1-39451
- Murthy, D.N.P., Nguyen, D.G.** Optimal age-policy with imperfect preventive maintenance 1-35683
- Murthy, G.R.K.** Indigenous technology development for the production of OFHC copper and beryllium-copper alloys 1-50335
- Murthy, H.S.K.** *see* Oliva, T.A. 1-50114
- Murthy, K.V.V., Ramachandran, V.** On the ranks of certain matrices 1-45172
- Murthy, K.V.V., Ramachandran, V., Gargour, C.S.** Residue matrices and related properties in two-variable reactance functions 1-26975
- Murthy, K.V.V.** *see* Ahmad, M.O. 1-50382
- Murthy, M.L.R., Cutting, J.C., Trzaskoam, W.P., Manaker, A.** Near term commercialization of MHD power generation using coal/oil fuel 1-31148
- Murthy, M.N.S., Deshpande, C.E., Bakare, P.P., Shrotri, J.J.** Professional soft ferrites: manganese zinc ferrous ferrites 1-51083
- Murthy, M.R.L.N., Aubert, J.J.** Growth of dislocation-free silicon crystals in the (110) direction for use as neutron monochromators 1-35935
- Murthy, M.R.L.N., Rolland, G.** Evidence of residual edge dislocations in Czochralski grown Si crystals in (110) direction 1-50763
- Murthy, N.** Manohara *see* Manohara Murthy, N.
- Murthy, Y.Sreedhar** *see* Sreedhar Murthy, Y.
- Murti, V.G.K.** *see* Rehman, M. 1-48025, 1-48049
- Murty, K., Schneider, C.P.** Technique for the rapid and accurate determination of solar cell performance parameters 1-30040
- Murty, K., Schneider, C.P., Scilla, S.** Circuit to eliminate DC current overloading measurements in spectral response [solar cells] 1-31455
- Murty, K.** *see* Lalevic, B. 1-50838
- Murty, K.G., Perin, C.** Edge covering algorithms and their applications 1-44901
- Murty, K.G.** *see* Sung J. Chung 1-44946
- Murty, V.B.** *see* Abroal, C.V. 1-53471
- Murugesan, S.** Exclusive OR checks dynamic performance 1-45370
- Murukutla, N.L.M.** *see* Durrani, T.S. 1-37615
- Murzakov, A.G.** Economic adjusting electro-drive for the mechanisms for inner services in thermoelectric power stations 1-53701
- Musa, G., Collins, C.B.** Pulsed nitrogen laser with ethanol admixture. Excitation of CN violet system 1-28645
- Musa, G.** *see* Baltog, A. 1-36428
- Musaev, S.A.** *see* Kadzhar, Ch.O. 1-27339
- Musatov, A.L.** *see* Gavanin, V.A. 1-45854
- Musazzi, S.** *see* Giglio, M. 1-30254
- Muscalu, St.** *see* Ispas, I. 1-40560
- Muschick, E., Long, T., Diebels, W.-D.** To the reactive compensation in country networks with evaluated voltage quality 1-48947
- Muschinske, J.E.** *see* Chan, J.Y. 1-32250
- Musfeldt, H., Kumpfert, H., Schmidt, W.** A new generation of high power CW-klystrons for accelerator and storage ring application, practical experience and aspects for future developments 1-43081
- Musgrave, G., O'Kelly, D., Sherlock, J., Smith, I.K., Wilson, S.S.** Energy recovery: a multidisciplinary approach and its ramifications related to industrial strategies 1-49267
- Musgrove, P.J.** *see* Bossanyi, E.A. 1-53333
- Musha, R.** *see* Sekine, M. 1-47708
- Musha, T.** Dynamic color display of body surface potential maps on TV monitor 1-48700
- Musha, T.** *see* Sekine, M. 1-37959
- Mushiaki, Y.** *see* Martin, M.A. 1-47009
- Mushiaki, Y.** *see* Namihi, Y. 1-40920
- Musick, S.H.** SOFE—a computer program for Kalman filter design 1-50376
- Musick, S.H., Carlson, N.A.** Evaluating sources of error in EAR/GEANS navigation using a Kalman postprocessor 1-52149
- Musierowicz, K.** *see* Florkowski, W. 1-34236
- Musierowicz, K.** *see* Kordus, A. 1-49059
- Musikhin, S.G.** *see* Mikhailov, G.A. 1-49232
- Musil, R.J., Preininger, G., Schopper, E., Wenger, S.** Voltage stresses produced by aperiodic and oscillating system overvoltages in transformer windings 1-35236
- Mussia, J.-P.Della** *see* Della Mussia, J.-P.
- Mussia, J.P.Della** *see* Della Mussia, J.P.
- Mussino, F.** *see* De Paoli, R. 1-47366
- Mustaev, K.Sh., Serebryakov, V.A., Yashin, V.E.** Suppression of fine-scale self-focusing in neodymium glass amplifiers by use of optical relays 1-33283
- Mustafa Ali Avad Makhmud** *see* Avad Makhmud Mustafa Ali
- Mustafa Rateb, M.** *see* Nagi Elyousfi, M. 1-29305
- Mustafaeva, S.N.** *see* Abdullaev, G.B. 1-32723
- Mustafaeva, S.N.** *see* Tagiev, B.G. 1-40419
- Mustafin, T.N.** *see* Dvurechenskii, A.V. 1-27930
- Mustata, O., Ani, P.I., Danilive, M., Tecuceanu, R.** A set of programs for establishing and reducing the technological self-losses in the electrical networks for the distribution of electrical energy of the IRE in the region of Suceava 1-49071
- Mustata, O., Chiriac, T., Zegrean, I., Sfichi, R., Poenaru, C.** Considerations on the introduction of a computer-based tele-control system into the electricity distribution network of the IRE, Suceava 1-49073
- Mustata, V.** On the organizing and follow-up of the in-situ power structure and building behaviour in Romania 1-49202
- Mustel', Ye.R.** *see* Blinova, G.V. 1-33186
- Musumeci, L.** *see* Burgassi, M. 1-47417
- Musumeci, L.** *see* Corsi, N. 1-51983, 1-51984
- Musura, S.** Availability of substations 1-39025
- Musura, S.** The Markov method 1-39435
- Muta, H.** *see* Morimoto, M. 1-40050
- Muta, I., Mukai, E., Yagi, M.** Three-dimensional analysis of self-inductance and magnetic fields of the air-cored field winding in a superconducting synchronous machine 1-38965
- Mutch, D.E.** Taking a dim view of modern discharge lighting 1-39207
- Muth, B.** *see* Greb, H. 1-48199
- Muth, G.C.** *see* Hoffman, H.S. 1-42760
- Mutnykh, A.E.** *see* Aleksandrov, I.V. 1-28475
- Muto, H.** *see* Takekoshi, Y. 1-45446
- Muto, K.** *see* Mizumachi, Y. 1-43024
- Muto, M.** *see* Kawamura, Y. 1-42664
- Muto, S.** *see* Nakamura, K. 1-35142
- Mutou, M.** *see* Noda, A. 1-43038
- Muttik, P.K.** *see* Walshe, K.A. 1-43575
- Muttoo, S.K.** *see* Dass, B.K. 1-29081
- Mutzner, J.** Present status and development trends of the Swiss tariffs for electricity 1-30593
- Muu Le Trong** *see* Le Trong Muu
- Muzafarov, R.M., Kofman, D.B., Kovan, Yu.I.** The effect that the discharge circuit parameters have on the weight, size and energy characteristics of the supply source 1-27282
- Muzychenko, O.N.** Complexity of practical realisation of monotonic threshold functions 1-41506
- Muzyka, Z.N., Sokolov, S.A.** A method of calculating the distribution of noise power at the output of the linear part of a radio receiver 1-38015
- Myae, E.A.** *see* Ado, Yu.M. 1-48457
- Myagchenko, Yu.A., Slobodyanyuk, A.V.** Non-linear optical activity in absorptive crystals 1-28788
- Myalitsin, V.K.** *see* Alekseev, A.V. 1-52742
- Myasnikov, A.K.** *see* Maslennikov, V.V. 1-36311
- Myasodov, V.E.** Calculating the conditions necessary for a unipolar pulse former designed to energise electrodeposition plant 1-49560
- Mycielski, A., Mycielski, J.** Acceptors in semimagnetic semiconductors [Hg<sub>1-x</sub>Mn<sub>x</sub>Te] 1-27835
- Mycielski, J.** *see* Mycielski, A. 1-27835
- Myer, J.** *see* Figueroa, L. 1-51480
- Myers, A.B.** Human factors work at Bell Laboratories 1-37679
- Myers, B.R.** Optimally-connected communication networks with maximum diameters 1-47320
- Myers, C.S., Levinson, S.E.** Connected word recognition using a syntax-directed dynamic programming temporal alignment procedure 1-41587
- Myers, C.S., Rabiner, L.R.** A level building dynamic time warping algorithm for connected word recognition 1-33573
- Myers, C.S., Rabiner, L.R.** Connected digit recognition using a level-building DTW algorithm 1-41534
- Myers, C.S., Rabiner, L.R.** Connected word recognition using a level building dynamic time warping algorithm 1-41586
- Myers, C.S., Rabiner, L.R., Rosenberg, A.E.** On the use of dynamic time warping for word spotting and connected word recognition 1-41521
- Myers, D.E.** *see* Hood, F.P., III 1-27894
- Myers, D.R., Comas, J., Wilson, R.G.** Effect of silicon dioxide surface-layer thickness on boron profiles for directly aligned implants into (100) silicon 1-45903
- Myers, G.H., Parsonnet, V., Kresh, Y.M.** Optimum filters for pacemaker sensing amplifiers 1-38532
- Myers, L.L.** *see* Jones, D.D. 1-53226
- Myers, S.** Beam-beam simulation for LEP 1-43007
- Myers, S.** *see* Hemery, J.-Y. 1-43005
- Myers, S.** *see* Hofmann, A. 1-42978, 1-48494
- Myers, S.D.** *see* Parrish, R.H. 1-39040
- Myerscough, P.B.** Simulators for nuclear power station training 1-30890
- Mygind, J.** *see* Dueholm, B. 1-36849
- Myklebust, J.B., Cusick, J.F., Sances, A., Jr., Salles-Cunha, S.X., Macur, R.A.** A combination isothermal-hydrogen clearance system for the measurement of local tissue flow 1-30395
- Myklebust, J.B.** *see* Sances, A., Jr. 1-39355
- Myles, M.M.** *see* Ver, I.L. 1-44165
- Myllkangas, A.** *see* Hirvensalo, J. 1-42096, 1-52019
- Myllyla, R., Heusala, H., Karras, M.** Gamma ray pattern analysis by fast scintillation timing 1-34424
- Mylroie, S.** *see* Christel, L.A. 1-36559
- Mymrikova, N.N.** *see* Algaizin, E.K. 1-40356
- Myrianthopoulos, L.C.** *see* Brown, B.C. 1-32584
- Mysak, I.S.** *see* Leonkov, A.M. 1-35048
- Myshkin, V.G.** Dispersion characteristics of a finite-width plane metallic comb 1-28969
- Myshkin, V.G.** *see* Goshin, G.G. 1-33327
- Mysing, J.** *see* Brindle, J. 1-30208
- Mysing, J.O.** *see* Gravely, M.L. 1-52895
- Myslek-Laurikainen, B.** *see* Gagliardi, C.A. 1-43167
- Myslik, V.** *see* Hudec, L. 1-46653
- Myslik, V.** *see* Machac, P. 1-28590
- Myslovich, M.V.** *see* Goncharuk, E.S. 1-44029
- Myszowski, A., Sansores, L.E., Taguena-Martinez, J.** Tunneling solar cell under concentrated light illumination 1-53629
- Mytsyk, G.S.** Modifications of pulse-amplitude modulation of the second kind in converter equipment 1-31327
- Myznikov, K.P.** *see* Ageyev, A.I. 1-42866
- Naaier, G.Y.** Photovoltaic solar energy. From the sun to the mains supply 1-33146
- Naats, I.E.** *see* Veretennikov, V.V. 1-52162
- Nababan, S., Teo, K.L.** Necessary conditions for optimality of Cauchy problems for parabolic partial delay-differential equations 1-35843
- Nabeshima, T.** Lithium—a future power source 1-31396
- Nabeshima, T., Harada, K.** Start-up transient responses of a DC-DC converter 1-35258
- Nabeshima, T.** *see* Harada, K. 1-44238, 1-53562
- Nabeyama, H., Nagahara, S., Shimizu, H., Noda, M., Masuda, M.** All solid-state color camera with single-chip MOS imager 1-34083
- Nabiev, R.F.** *see* Zverev, A.G. 1-28692
- Nachamkin, J., Hancock, J.H.** A new way of estimating currents in space-charge-limited electronics calculations 1-40346
- Nad', A.** On the effective algorithm of the solution to the linear optimisation problems in ordered spaces 1-27036
- Nadas, A.** A note on some statistical aspects of 'Speaker-independent recognition of isolated words using clustering techniques' [by S.E. Levinson et al., with his reply] 1-41538
- Nadas, A., Mercer, R.L., Bahl, L.R., Bakis, R., Chen, P.S., Cole, A.G., Jelinek, F., Lewis, B.L.** Continuous speech recognition with automatically selected acoustic prototypes obtained by either bootstrapping or clustering 1-41603
- Naday, I., Kajcsos, Z., Kozma, G., Kanyo, M.** Fast-slow coincidence systems with very high time resolution 1-48651
- Nadeau, D.P.** *see* Kristoff, J.S. 1-50975
- Nadezhdin, D.** *see* Langford, C.H. 1-44357
- Nadkarni, S.S.** *see* Ushakumari, M. 1-48131
- Nadtoka, I.I., Nadtoka, V.I.** Modelling of load diagrams and joint operating conditions of groups of cyclically working consumers of electricity 1-34854
- Nadtoka, V.I.** *see* Nadtoka, I.I. 1-34854
- Nadzam, G.R.** Preamplifier can help to quantify rates of change 1-34233
- Naem, A.** *see* Raoof, M.A. 1-38573
- Naemura, A.** Trends in audio response unit 1-34128

- Naemura, S. *see* Tani, C. 1-46587  
 Naff, T. *see* Demeter, L.J. 1-49614  
 Naffah, N. Design issues of presentation protocols in office systems 1-29451  
 Naffah, N. Applications of local networks 1-33829  
 Nafikov, Yu.I. *see* Kuz'min, I.V. 1-37861  
 Nafornita, I., Petriu, E., Gnanndt, E. Concerning some modes of operation of analogue-to-digital converters which are based on the method of halving 1-27567  
 Nagaenko, M.G., Reshetnikova, E.M., Severgin, Yu.P., Shukeilo, I.A. Beam storage for increasing heavy ion synchrotron intensity 1-48455  
 Nagaev, A.I. *see* Kobyl'chak, V.V. 1-51228  
 Nagaev, A.I. *see* Volodin, A.A. 1-36976  
 Nagahama, K., Nishitani, K., Ishii, M. Thermally stable metallization to InSb 1-46086  
 Nagahara, S. *see* Nabeyama, H. 1-34083  
 Nagahashi, H., Agui, T. Relation between description and coding of Chinese characters 1-41823  
 Nagahisa, Y. Lagrange multiplier rules for extremals in linear spaces 1-35837  
 Nagai, H. LPE and characteristics of GaInAsP/InP 1.5  $\mu$ m region laser diodes 1-45088  
 Nagai, H. *see* Kawaguchi, H. 1-33236  
 Nagai, H. *see* Nakano, Y. 1-50286, 1-51453  
 Nagai, H. *see* Shin-ichi Takahashi 1-27123  
 Nagai, H. *see* Suzuki, Y. 1-28720  
 Nagai, H. *see* Takahai, K. 1-27125, 1-32068  
 Nagai, H. *see* Tokunaga, M. 1-28713  
 Nagai, K., Suzuki, M. Discussion on the paper 'An extension of the range of characteristics in the complex number theoretic transform 1-32047  
 Nagai, K., Suzuki, M. Authors' reply to the comments from Dr. Kiyasu 1-32048  
 Nagai, M. *see* Yanagida, H. 1-27172  
 Nagai, N. *see* Iisaku, S. 1-39512  
 Nagai, N. *see* Miyanaga, Y. 1-41547  
 Nagai, N. *see* Nomura, T. 1-43276  
 Nagai, N. *see* Sakagami, I. 1-40199  
 Nagai, N. *see* Suzuki, M. 1-45539, 1-46979  
 Nagai, S., Takahashi, K., Sogo, T., Takamiya, S. Estimation of operation life of Si-APD 1-33149  
 Nagai, S. *see* Nishikawa, T. 1-41992  
 Nagai, T. *see* Sato, K. 1-46338  
 Nagai, Y. *see* Katoh, S. 1-37848  
 Nagaki, Y. Fiber-optic measurement techniques 1-37908  
 Nagaki, Y. *see* Okada, K. 1-29768  
 Nagami, K., Honma, S., Tabata, S., Sasaki, H., Okada, I., Umesato, Y., Mitani, M. Switching surges by vacuum circuit breaker, and protection guide 1-49610  
 Nagamine, H. *see* Ohmatsu, S. 1-32144  
 Nagamune, I. *see* Sasaki, O. 1-46865  
 Nagano, K. *see* Takasaki, Y. 1-42247  
 Nagano, T. *see* Oookubo, K. 1-28933  
 Naganuma, M. *see* Sudoh, T. 1-47946  
 Nagao, A. *see* Wakuta, Y. 1-43195  
 Nagao, M. *see* Aizawa, M. 1-49814  
 Nagao, Y., Hariu, T., Shibata, Y. GaSb Schottky diodes for infrared detectors 1-28578  
 Nagaraj, K., Satyam, M. Novel CMOS Schmitt trigger 1-51018  
 Nagaraja Rao, K. *see* Chockalingam, M.J. 1-44383  
 Nagarajan, A., Sarkary, H.G. Bipolar polysilicon base process 1-50917  
 Nagarajan, A., Vargas, A.A. Optimized fabrication process for restoring performance of bipolar transistors 1-40553  
 Nagarajan, A. *see* Leas, J.M. 1-40498, 1-40644, 1-46281  
 Nagarev, S.V. *see* Epshtein, I.Ya. 1-43805  
 Nagasaka, Y., Nagashima, A. Simultaneous measurement of the thermal conductivity and the thermal diffusivity of liquids by the transient hot-wire method 1-30278  
 Nagasawa, K. *see* Matsumoto, H. 1-40599, 1-46141  
 Nagasawa, S., Murata, H. Optical fibre connectors using a fused and drawn multi-glass-rod arrangement 1-29738  
 Nagasawa, S., Murata, H., Satake, T. Study on improvement of splice loss temperature characteristics in V-groove optical fiber mass splice 1-40916  
 Nagashima, A. *see* Nagasaka, Y. 1-30278  
 Nagashima, Y., Sakae, T., Oonuma, H. CCD analogue processor 1-28120  
 Nagashima, Y. *see* Seki, S. 1-42848  
 Nagata, K., Miura, K., Furu, Y., Takano, T. Quality information processing system in Mie Telecommunication Cable Plant 1-26951  
 Nagata, K., Takayanagi, H., Uehara, S. MM-wave mixer with Nb-Te-Nb Josephson junction 1-51108  
 Nagata, K., Uehara, S., Matsuda, A., Takayanagi, H. Nb based Te barrier Josephson junctions 1-28327  
 Nagata, M. Crystal clock oscillators are useful for most digital equipment 1-40763  
 Nagata, M. *see* Maio, K. 1-27589  
 Nagata, M. *see* Nakamura, T. 1-28098  
 Nagata, S. *see* Hagihara, T. 1-40991  
 Nagata, S. *see* Ono, Y. 1-39113  
 Nagata, Y., Kunioka, A., Yamazaki, S. Microcrystalline structure in glow-discharge-produced silicon films 1-27781  
 Nagata, Y. *see* Tachikawa, Y. 1-52105  
 Nagatani, R. Adaptability leads to sharp growth of resistor networks 1-50633  
 Nagatomi, K. *see* Matsubayashi, Y. 1-38775  
 Nagatomo, H. *see* Akiyama, N. 1-50866  
 Nagatoro, Y., Ochiai, K., Kaya, A. Development of new type ion source of quadrupole type mass spectrometer for UF<sub>6</sub> analysis 1-30378  
 Nagatsuma, K. *see* Ito, Y. 1-32945, 1-51049  
 Nagatsuma, K. *see* Jyomura, S. 1-51048  
 Nagayama, Y., Yoshihara, T., Nakano, T., Gamou, Y. Circuit design of large scale dynamic MOS RAM with scaling relationships 1-36225  
 Nagayama, Y. *see* Sunahara, Y. 1-41679  
 Nagel, D.J. *see* Bleach, R.D. 1-48445  
 Nagel, J. *see* Rogovin, D. 1-33003  
 Nagel, S.R., Greenberg-Kosinski, S., Walker, K.L., Brownlow, D.L. Reduced cycle time MCVD fiber fabrication 1-36938  
 Nagel, U. *see* Plattner, A. 1-45648  
 Nagelkerke, N. *see* Hart, G.A.M. 1-44844  
 Nagendra Rao, P.S., Prakasa Rao, K.S., Nanda, J. A novel hybrid load flow method 1-38712  
 Nagi, K.L., White, C.T. A model of interface states and charges at the Si-SiO<sub>2</sub> interface. Its predictions and comparisons with experiments 1-27875  
 Nagi Elyoussi, M., Mustafa Rateb, M. Extra digital communication over multiplexed telephone channels 1-29305  
 Nagl, A. *see* Moser, P.J. 1-42292  
 Nagl, M. *see* Ebeling, W. 1-48344  
 Nagle, D.E. Prospects for pion and kaon factories 1-43172  
 Nagle, H.T., Jr., Nelson, V.P. Digital filter implementation on 16-bit microcomputers 1-36255  
 Nagle, H.T., Jr. *see* Nelson, V.P. 1-36256  
 Nagler, M. *see* Wolfe, W.L. 1-48858  
 Nagoshi, H., Tatsuzawa, Y., Goto, Y., Aso, S. Some speculations on the utilization of a telephone network in computer-aided ECG interpretation 1-43353  
 Nagrath, I.J. *see* Kothari, D.P. 1-34797  
 Nagrial, M.H. Correspondence: hybrid linear reluctance motor 1-44121  
 Nagrial, M.H., Syed Javed Ashraf B/H curve approximation for computer aided designs of electromagnet devices 1-44026  
 Naguib, H.M. *see* Anderson, C.M. 1-48123  
 Naguib, H.M. *see* Bond, R.A. 1-48255  
 Naguib, H.M. *see* Conn, D.R. 1-45700  
 Naguib, M. VTC 254 - a new series-4 compact turbocharger 1-49307  
 Naguib, M. The new turbocharger RR 153 for high-speed engines 1-49308  
 Nagul, V.I. *see* Lezhnyuk, P.D. 1-43630  
 Nagula, P.K. *see* Gerasimenko, S.S. 1-31392  
 Nagura, A. *see* Abe, H. 1-34109  
 Nagura, M., Suenaga, Y. A new method of facsimile based data input by seal mark recognition 1-33774  
 Nagura, M., Suenaga, Y. Design and classification of handwritten marks employed in the facsimile-based graphic editor 1-41818  
 Nagy, A. About human conditions of technical innovation of an enterprise 1-39371  
 Nagy, A. The application of table-driven syntax parsers for the construction of maintainable software 1-42113  
 Nagy, F. Transducers for oximetry 1-34608  
 Nagy, G. Let us build a VHF mixer. III 1-27365  
 Nagy, J., Szalai, S. Programmable logic arrays 1-36213  
 Nagy, L. *see* Kosza, G. 1-39771  
 Nagy, P.B. Level measurement on the transient principle 1-48911  
 Nagy, S. Intermodulation distortion in receivers 1-28940  
 Nagy, S. The application of computer techniques in the electric power supply 1-53018  
 Nagy, Z. *see* Adam, A. 1-48839  
 Nahar, N.M. *see* Mahotra, K.S. 1-31101  
 Nahar, R.K., Khanna, V.K., Marathe, B.R. Contact resistance characteristics of the low cost Cu/Ni-Cr thin film resistor system 1-32509  
 Nahas, J.J. *see* Green, J.H. 1-52024  
 Nahemow, M.D. Modeling a heavy ion driver for an ICF power plant 1-52615  
 Nahman, J.M. Analysis of interconnected earthing systems 1-43763  
 Nahman, N. Error criteria and the use of reference waveforms 1-52325  
 Nahman, N.S. Error criteria and the use of reference waveforms: techniques for time-dependent measurements 1-29976  
 Nahman, N.S., Andrews, J.R. Research improves time-domain calibrations 1-52589  
 Nahory, R.E. *see* Kaminow, I.P. 1-33230  
 Nahory, R.E. *see* Pollack, M.A. 1-33234  
 Nai, P. *see* Le Nai, P.  
 Naida, A.P. *see* Gabovich, M.D. 1-30305  
 Naidenov, V.P. *see* Petrov, B.N. 1-38547  
 Naidu, B.S. *see* Rao, L.V. 1-45911  
 Naidu, B.S. *see* Syamalamba, Y. 1-35971  
 Naidu, M.S. Studies on the decay of surface charges on dielectrics 1-28146  
 Naik, R., Shrikhande, S.S., Rao, S.B., Singhi, N.M. Intersection graphs of k-uniform hypergraphs 1-27023  
 Nail, M. *see* Fleuret, N. 1-34479  
 Nail, M. *see* Valat, P. 1-28777  
 Nailen, R.L. Watts from waste heat - induction generators for the process industries 1-39257  
 Naimanov, O.S. *see* Averbakh, Y.A.A. 1-31067  
 Naimark, G.V. *see* Avrutskii, V.A. 1-39980, 1-44035  
 Naimski, H. Telecommunication equipment batteries operation 1-30675  
 Nainer, A.P. *see* Mian, G.A. 1-33413, 1-47198  
 Nair, K.G. *see* Mathew, K.T. 1-41389  
 Nair, N.R. *see* Alam, M.I. 1-51082  
 Nair, R. A magnetically combined turbine and generator 1-44067  
 Nair, R. *see* Hong, S.J. 1-45388  
 Nair, R.A., Kamal, A.K., Gupta, S.C. Hybrid mode dielectric loaded horns for beam shaping 1-41435  
 Nair, V. *see* Jones, C.E. 1-50768  
 Nair, V.N. Plots and tests for goodness of fit with randomly censored data 1-35742  
 Naito, K. *see* Fujimura, T. 1-34911  
 Naito, K. *see* Ozaki, Y. 1-49146  
 Naito, M. *see* Fukushima, M. 1-43362  
 Naito, M. *see* Shimizu, T. 1-43325  
 Naito, M. *see* Shimizu, Y. 1-50919  
 Naito, Y. *see* Igarashi, M. 1-40788  
 Naito, Y. *see* Mizumoto, T. 1-46553  
 Naito, Y. *see* Muraguchi, M. 1-45609  
 Naito, Y. *see* Watanabe, T. 1-48703  
 Naixin Wang *see* Wang Naixin  
 Najdi, H., Clarke, R.J. A 4.8 kb/s A3 coded zero crossing speech coder 1-51888  
 Najim, M. *see* Aboutajidine, D. 1-43435  
 Najmann, K. *see* Heimeier, H.H. 1-36668  
 Najmann, K. *see* Klein, W. 1-27422, 1-27712  
 Nakabaru, M. *see* Masugata, K. 1-43192  
 Nakabayashi, S. *see* Ohmori, T. 1-33759  
 Nakach, A. *see* Degueurce, L. 1-43091, 1-48474  
 Nakache, J. Comparative study of reception zones above conjugate regions of Europe and South Africa of signals generated by European long-wave transmitters and received on board Canadian satellites 1-41228  
 Nakada, I. *see* Ishihara, Y. 1-40436  
 Nakada, T. *see* Hoshimiya, T. 1-43293  
 Nakadate, S., Magome, N., Honda, T., Tsujiuchi, J. Hybrid holographic interferometer for measuring three-dimensional deformations 1-37232  
 Nakae, T. *see* Avery, R. 1-42826  
 Nakae, T. *see* Takashima, T. 1-38812, 1-38819  
 Nakagawa, A. Numerical analysis on abnormal thyristor forward voltage increase due to heavy doping in gated p-base layer 1-36610  
 Nakagawa, H. *see* Inaba, M. 1-30339  
 Nakagawa, H. *see* Katsura, T. 1-42965  
 Nakagawa, K., Ito, T., Higo, Y., Touge, T., Matsumoto, Y., Fujiwara, H. 400 Mb/s high-speed fiber optic transmission line equipment 1-29775  
 Nakagawa, K. *see* Fujii, K. 1-28126  
 Nakagawa, K. *see* Hara, Y. 1-28080  
 Nakagawa, K. *see* Matsuda, A. 1-50797  
 Nakagawa, K. *see* Tanaka, K. 1-45947  
 Nakagawa, M. Admittance correction effects of a single overhead line 1-30768  
 Nakagawa, M. Further studies on wave propagation along overhead transmission lines: effects of admittance correction 1-43740  
 Nakagawa, S., Kamiya, S., Sakai, T. Speaker-independent spoken word recognition based on time-frequency-intensity warping of spectra 1-33583  
 Nakagawa, S., Sakai, T. Some considerations on automatic speech recognition from view points of information science 1-47158  
 Nakagawa, S., Yokoyama, K. A design method of linear density and track density for maximizing area density in digital videotape recorder 1-52260  
 Nakagawa, T. Modified periodic replacement with minimal repair at failure 1-39450  
 Nakagawa, T., Kinoshita, S., Azuma, K. Quartz direct drive automatic turntable system SL-10 1-34134  
 Nakagawa, T., Yasui, K. Calculation of age-replacement with Weibull failure times 1-39449  
 Nakagawa, T. *see* Tada, A. 1-40572, 1-46125  
 Nakagawa, Y. A design of high-power water-cooled magnet suitable for hybrid magnet 1-51575  
 Nakagawa, Y., Miyazaki, S. An experimental comparison of the heuristic methods for solving reliability optimization problems 1-39453  
 Nakagawa, Y., Miyazaki, S. Surrogate constraints algorithm for reliability optimization problems with two constraints 1-44746  
 Nakagawa, Y., Sawada, K., Masuda, Y. Effects of nematic compounds with high clearing points on the multiplexing performance of twisted nematic displays 1-52532

- Nakagawa, Y. *see* Akutsu, H. 1-45882
- Nakagome, Y. *see* Matsumura, H. 1-27146, 1-27803
- Nakahara, H. *see* Yanokura, M. 1-30347
- Nakahara, M., Inagaki, N., Yoshida, K., Yoshida, M., Fukuda, O. Fabrication of a 100-km graded-index fiber from a continuously-consolidated VAD preform 1-36949
- Nakahara, M. *see* Inagaki, N. 1-46526
- Nakahara, M. *see* Kimura, T. 1-40917
- Nakahara, M. *see* Ninomiya, T. 1-53545
- Nakahara, M. *see* Okamoto, K. 1-46490
- Nakahara, Y. *see* Horima, H. 1-28456
- Nakahashi, M. *see* Komatsu, S. 1-27862
- Nakahara, M., Omote, K., Tokuda, M. Measurement of optical fiber loss and splice loss by backscatter method 1-28450
- Nakai, J. *see* Nishida, H. 1-40435
- Nakai, J. *see* Yamagishi, C. 1-50306
- Nakai, S. *see* Yamanaka, C. 1-51348, 1-51412
- Nakai, T. *see* Nomura, Y. 1-37897
- Nakajima, A. *see* Onodera, T. 1-44227
- Nakajima, H., Hase, A. Absolute position detection method using IR address cable 1-30255
- Nakajima, H., Sekiguchi, H., Aiba, S., Shiomi, Y., Kuwabara, T., Sawa, M., Hirabayashi, H., Kosugi, T., Kai, K. A new 17-GHz solar radio interferometer at Nobeyama 1-47754
- Nakajima, H. *see* Horimatsu, T. 1-36919
- Nakajima, H. *see* Kai, K. 1-29825
- Nakajima, K., Akita, K. Calculation of the Al-Ga-In-As phase diagram and LPE growth of Al<sub>0.5</sub>Ga<sub>0.5</sub>In<sub>1-x-y</sub>As on InP 1-45085
- Nakajima, K., Kida, H., Arakawa, H. Handprinted Katakana characters recognition using a facsimile terminal 1-51935
- Nakajima, K. *see* Arakawa, H. 1-51931
- Nakajima, K. *see* Ito, M. 1-37037
- Nakajima, M., Agui, T. A delta coding method of contour lines 1-33494
- Nakajima, M., Onodera, H., Awai, I., Ikenoue, J. High-efficiency light modulator using guided-to-radiation mode coupling: a proposal 1-51213
- Nakajima, M. *see* Agui, T. 1-51836
- Nakajima, M. *see* Iwata, A. 1-33872, 1-52007
- Nakajima, M. *see* Onodera, H. 1-40969, 1-46581
- Nakajima, N., Shimanuki, Y. A compact and low sidelobe offset antenna for 4/5/6 GHz band terrestrial communication links 1-52059
- Nakajima, N. *see* Ichikawa, Y. 1-47235
- Nakajima, N. *see* Kohno, J. 1-26798
- Nakajima, T., Kanai, T. On the measuring method of the dose distribution in solid state materials due to optical absorption of irradiated materials with charged particles 1-51260
- Nakajima, A., Shigematsu, N., Matsui, K., Miura, A. FICS-1 switching program [facsimile] 1-33773
- Nakamae, E. *see* Yamashita, H. 1-45008
- Nakamae, K., Fujioka, H., Ura, K. Measurements of deep penetration of low-energy electrons into metal-oxide-semiconductor structure 1-40593
- Nakamae, K. *see* Fujioka, H. 1-45402
- Nakamori, S., Hatjaj, A. New prediction algorithms by covariance information based on innovation theory 1-29147
- Nakamoto, R. Operators with closed range 1-44925
- Nakamura, T. *see* Ishida, M. 1-45090
- Nakamura, A. *see* Matsui, T. 1-36619
- Nakamura, A. *see* Shida, K. 1-34177
- Nakamura, A. *see* Watanabe, T. 1-31987, 1-39599, 1-39600, 1-39601, 1-39602, 1-39604, 1-44917
- Nakamura, G., Sato, K., Yukimoto, Y., Shirahata, K., Murahashi, T., Fujiwara, K. Amorphous SiGe:H for high performance solar cells 1-40421
- Nakamura, G. *see* Koyama, K. 1-31937
- Nakamura, H., Akaike, H. Statistical identification for optimal control of supercritical thermal power plants 1-30952
- Nakamura, H., Inoue, T., Sasaki, H. Manufacturing technology of high circuit density multi-layer substrates 1-45823
- Nakamura, H. *see* Kurihara, H. 1-47228
- Nakamura, H. *see* Tabe, M. 1-32064
- Nakamura, K. Effect of transmission path on VLBI 1-51617
- Nakamura, K., Sasaki, H., Shimizu, H. ZnO/SiO<sub>2</sub>-diaphragm composite resonator on a silicon wafer 1-46354
- Nakamura, K., Wagano, Y., Muto, S. Rapid synchronization of synchronous generator using high-speed synchronizing control 1-35142
- Nakamura, K. *see* Aihara, H. 1-43211
- Nakamura, K. *see* Fukuchi, H. 1-46906
- Nakamura, K. *see* Furuhashi, Y. 1-33333
- Nakamura, K. *see* Hasui, K. 1-29564
- Nakamura, K. *see* Ihara, S. 1-38103
- Nakamura, K. *see* Ishikawa, S. 1-29747
- Nakamura, K. *see* Kuriki, K. 1-30529
- Nakamura, K. *see* Naruse, M. 1-37911
- Nakamura, K. *see* Watanabe, H. 1-40760, 1-40766
- Nakamura, M. A systematic approach to automatic analyses of transients in electroencephalography 1-43363
- Nakamura, M., Sugiyama, T., Kitayama, M. Magnetic and insulating properties of electrical steel with a new insulating coating 1-40748
- Nakamura, M., Susaki, W. Light sources in optical fiber transmission 1-37904
- Nakamura, M., Tamura, T., Ozeki, T. Elimination of laser noise and distortion induced by reflected waves 1-41107
- Nakamura, M., Ura, M. Alignment of nematic liquid crystals on ruled grating surfaces 1-28535
- Nakamura, M. *see* Hayashi, K. 1-47903
- Nakamura, M. *see* Hirao, M. 1-33240
- Nakamura, M. *see* Matsuda, H. 1-40961, 1-46562
- Nakamura, M. *see* Mizuishi, K. 1-37170
- Nakamura, M. *see* Shiota, A. 1-49755
- Nakamura, M. *see* Sugiyama, F. 1-41551
- Nakamura, M. *see* Tokuda, Y. 1-50743
- Nakamura, O. *see* Tsukamoto, M. 1-36901, 1-36935
- Nakamura, S. *see* Adachi, H. 1-45537
- Nakamura, S. *see* Sawa, G. 1-27884, 1-28144
- Nakamura, S. *see* Tanaka, C. 1-45412
- Nakamura, T. On the additive factorization of homogeneous polynomial matrices 1-35706
- Nakamura, T., Ishikura, S. Characteristics of VLSI elements 1-51026
- Nakamura, T., Miyazaki, T., Takahashi, S., Kure, T., Okabe, T., Nagata, M. Self-aligned transistor with sidewall base electrode 1-28098
- Nakamura, T. *see* Ito, T. 1-27867
- Nakamura, T. *see* Iwade, M. 1-48178
- Nakamura, T. *see* Kanai, A. 1-41846
- Nakamura, T. *see* Shin, K. 1-52688
- Nakamura, T. *see* Suganami, T. 1-53368
- Nakamura, U. *see* Yada, T. 1-31724
- Nakane, H., Omori, S., Yokoshima, I. Studies of magnetic field for transmitting and receiving loop antenna placed in a coplane 1-51656
- Nakanishi, H., Miyashita, H., Endo, S., Irie, T. Photoluminescence and photoconduction in the system (CdIn<sub>2</sub>S<sub>4</sub>)<sub>1-x</sub>(In<sub>2</sub>S<sub>3</sub>)<sub>x</sub> 1-51256
- Nakanishi, H. *see* Inoue, T. 1-47284
- Nakanishi, H. *see* Takata, K. 1-48337
- Nakanishi, K., Yoshioka, A., Shibuya, Y., Nitta, T. Experimental study of the breakdown characteristics of a gas-insulated bus 1-31359
- Nakanishi, K. *see* Kato, M. 1-32147
- Nakanishi, N. *see* Sasaki, H. 1-39046
- Nakanishi, R., Miyamichi, K., Kondo, S., Uematsu, H. 72.5 kV dead-tank type vacuum circuit-breaker 1-44286
- Nakanishi, T. *see* Hattori, T. 1-48383
- Nakanishi, T. *see* Katayama, T. 1-43037
- Nakanishi, T. *see* Tokuda, N. 1-48436
- Nakanishi, T. *see* Kamei, K. 1-46133
- Nakanishi, T. *see* Oku Watanabe, M. 1-45931
- Nakanishi, T. *see* Udagawa, T. 1-27818, 1-50778
- Nakano, F., Isogai, M., Itoh, R., Satoh, M., Kandoh, Y. Critical condition of twist-domain generation and the effect of pretilt angles on such generation in twisted nematic liquid crystal cells 1-51233
- Nakano, H., Yamauchi, J. Characteristics of modified spiral- and helical-antennas 1-41324
- Nakano, H. *see* Yamauchi, J. 1-41380, 1-41397
- Nakano, I. *see* Seely, M.L. 1-43165
- Nakano, J., Kubodera, K., Miyazawa, S. Evaluation of scattering loss due to dislocations in LiNdP<sub>6</sub>O<sub>12</sub> laser 1-46711
- Nakano, J., Sugii, K. Crystal defects in laser material LiNdP<sub>6</sub>O<sub>12</sub> 1-39746
- Nakano, K., Nakaya, S., Katsuta, M., Saito, K. Review of recent facsimile developments in Japan 1-41925
- Nakano, K., Takeda, K., Kobayashi, Y., Okada, T. Solidification processing in continuous casting 1-27159
- Nakano, K. *see* Ibaragi, O. 1-27392
- Nakano, K. *see* Maruta, R. 1-29285
- Nakano, M. *see* Sakurai, J. 1-27130
- Nakano, M. *see* Sasaki, N. 1-40721
- Nakano, M. *see* Yamamoto, N. 1-40993
- Nakano, S. A suggestion on conference call system by a loop channel 1-33867
- Nakano, S. Development and application of gas insulated combined switchgear 1-35314
- Nakano, S. *see* Narimatsu, S. 1-44277
- Nakano, T. Electronic timers expanding application ranges 1-40160
- Nakano, T., Takagi, T., Sumida, S., Ishigai, H., Nakata, A. A method for continuous measuring of morphological changes in a living body 1-42450
- Nakano, T. *see* Nagayama, Y. 1-36225
- Nakano, Y., Ohya, S. Solution and Examples of the Korteweg-de Vries Equation 1-31924
- Nakano, Y., Takahei, K., Noguchi, Y., Nagai, H., Nawata, K. Abnormality at the interface of p-type InP grown by LPE 1-50286
- Nakano, Y., Takahei, K., Noguchi, Y., Nagai, H., Nawata, K., Tokunaga, M. InGaAsP/InP BH lasers on p-type InP substrates 1-51453
- Nakano, Y. *see* Tokunaga, M. 1-28713
- Nakao, A. *see* Suzuki, M. 1-40424
- Nakao, K. *see* Fukuyama, T. 1-34158
- Nakao, S., Komiya, K. Recent developments in flow measurement techniques. Average flow estimation from surface stress 1-30095
- Nakao, Y., Murase, Y., Kohata, H. Elastic-plastic seismic response analyses of structures supporting steam generators 1-45048
- Nakaoka, M., Murahashi, T., Hamaguchi, T., Nishimura, M. New ultrasonic-frequency switching-mode DC-DC thyristor converters with energy storage capacitor or inductor links 1-44236
- Nakaoka, M., Takami, A., Murahashi, T., Nishimura, M. A step-up step-down switching regulator DC/DC converter controlled via time-sharing inductive energy storage high-frequency chopper 1-32163
- Nakaoka, M. *see* Hatanaka, Y. 1-44225
- Nakashima, K. Electrical and optical studies in gallium antimonide 1-45930
- Nakashima, M., Fujiwara, K., Inagaki, T. Automatic mask pattern inspection for printed circuit boards (PCBs) 1-45761
- Nakashima, S. *see* Akiya, M. 1-51016
- Nakashima, S. *see* Hara, Y. 1-28080
- Nakata, A. *see* Nakano, T. 1-42450
- Nakata, H. *see* Hirao, T. 1-45396
- Nakata, K. *see* Ichikawa, A. 1-37469
- Nakata, K. *see* Iwata, S. 1-36586
- Nakata, K. *see* Kageyama, J. 1-39180
- Nakata, M. *see* Akimoto, T. 1-43260
- Nakata, W. *see* Sha, K. 1-47061
- Nakatani, H. *see* Masuda, S. 1-37276
- Nakatani, M. *see* Ishihara, O. 1-45680
- Nakatani, N. Recent developments in flow measurement techniques. Avoidance of ambiguity noise in laser Doppler velocimeter (LDV) 1-28824
- Nakatani, S. Analysis of size distribution of particulate pollutants 1-48882
- Nakatani, S. *see* Ohgushi, Y. 1-37929
- Nakatani, T. *see* Honma, K. 1-48688
- Nakatani, T. *see* Yoshioka, K. 1-37849
- Nakatani, Y., Adachi, T., Asano, M. STOC facsimile signal conversion equipment in FICS-1 system 1-33764
- Nakatani, Y. *see* Takahashi, I. 1-33766
- Nakato, Y., Tsumura, A., Tsubomura, H. Surface intermediates of an n-type gallium phosphide electrode as related with the shifts of the surface band energy induced by oxidants in solution 1-50850
- Nakatsuka, M. *see* Yamanaka, C. 1-51412
- Nakau, T. *see* Takenoshita, H. 1-45960
- Nakaya, M. *see* Horiba, Y. 1-32315
- Nakaya, S., Saito, K., Kotani, S., Abiko, I., Araki, T. Display system using reversible heat-sensitive material 1-42708
- Nakaya, S. *see* Nakano, K. 1-41925
- Nakaya, S. *see* Tateishi, K. 1-52519
- Nakayama, J. *see* Ogura, H. 1-51595
- Nakayama, K. Permuted difference coefficient digital filters 1-40132
- Nakayama, K. *see* Kanemasa, A. 1-41746
- Nakayama, K. *see* Miyamoto, S. 1-50233
- Nakayama, K. *see* Murakami, K. 1-38761
- Nakayama, K. *see* Yajima, K. 1-43365
- Nakayama, M. *see* Murazumi, Y. 1-39657
- Nakayama, N. *see* Igaki, S. 1-36547
- Nakayama, T. *see* Masugata, K. 1-43192
- Nakayama, T. *see* Takahashi, Y. 1-44549
- Nakayama, T. *see* Tsukada, N. 1-36966
- Nakayama, Y. Image quality in holography with a pseudorandom diffuser 1-46802
- Nakayama, Y. *see* Furuya, N. 1-36763
- Nakayama, Y. *see* Ito, D. 1-28393
- Nakayama, Y. *see* Yamamoto, N. 1-40993
- Nakazato, T. *see* Furuya, T. 1-43101
- Nakazawa, H. Decomposition method for computing the reliability of complex networks 1-44756
- Nakazawa, H., Teranishi, K. Development of Hitachi V-series escalators 1-44429
- Nakazawa, M., Horiguchi, T., Tokuda, M., Uchida, N. Polarisation beat length measurement in a single-mode optical fibre by backward Rayleigh scattering 1-46506
- Nakazawa, M., Tanifuji, T., Tokuda, M., Uchida, N. Photon probe fault locator for single-mode optical fiber using an acoustooptical light deflector 1-40981
- Nakazawa, M., Tokuda, M., Uchida, N. Self-sustained intensity oscillation of a laser diode introduced by a delayed electrical feedback using an optical fiber and an electrical amplifier 1-51444
- Nakazawa, M. *see* Kagawa, Y. 1-40759
- Nakazawa, O. *see* Hinata, T. 1-39848
- Nakazawa, T. *see* Midorikawa, K. 1-33256
- Nakazawa, Y. *see* Kawasaki, T. 1-52332
- Nakhmkin, A.M., Rubingaut, A.M. Study of a laminated ferromagnetic screen for a cryogenic electric machine 1-49402
- Nakhpetiyani, B.S. On a criterion of weak convergence [random processes] 1-44892
- Nakhmanson, G.S. Potential accuracy of range measurement of a point target 1-41303

- Nakoulima, O. A system of bilateral quasi-variational inequalities associated with a problem of nonzero sum stochastic game 1-39513
- Nakra, H.L. *see* Ooi, B.T. 1-34844
- Nakwaski, W. Optical gain in a laser diode 1-28726
- Nalcioğlu, O., Roek, W.W., Pearce, J.G., Gillan, G.D., Milne, E.N.C. Quantitative fluorescence 1-34592
- Naldi, C., Zich, R., Filicori, F. Distortion analysis of non-linearly loaded antennas 1-51677
- Nalesso, G.F., Stella, A. Magnetic field diffusion through infinite conducting media 1-28838
- Nalesso, G.F. *see* Martinielli, G. 1-53377
- Naletskii, M.M., Rozenberg, A.E., Pekelis, V.G. Mathematical models of the annual patterns of the loads on distribution substations from measurement data for the system as a whole 1-43659
- Naletskii, M.M. *see* Borovoi, B.V. 1-43509
- Nalimov, I.P. *see* Antonov, V.M. 1-52767
- Nalivaiko, S.E. *see* Gordon, E.B. 1-37080
- Nalos, E., Sperber, R. Microwave power—an energy transmission alternative for the year 2000 1-30677
- Nam, K.H. *see* Seguin, H.J.J. 1-46773
- Namatame, A. Adaptive expectations and dynamic adjustment in noncooperative games with incomplete information 1-39519
- Namazov, S.A. *see* Kravtsov, Yu.A. 1-37317
- Namba, H. *see* Yamaguchi, T. 1-37236
- Namba, M., Hosoda, J., Doi, S., Udo, M. Development for measurement of operating parameters of synchronous generator and control systems 1-35156
- Namba, M., Nishiwaki, T., Yokokawa, S., Ohtsuka, K., Ueki, Y. Identification of parameters for power system stability analysis using Kalman filter 1-43555
- Namba, S. *see* Gamo, K. 1-40862
- Namba, S. *see* Moriwaki, K. 1-40491, 1-46074
- Namba, S. *see* Oraby, A.H. 1-32697
- Namekawa, T. *see* Dahabreh, M.N. 1-47599
- Namekawa, T. *see* Hirahara, S. 1-41500
- Namekawa, T. *see* Kashiki, K. 1-42165
- Namekawa, T. *see* Sugiyama, Y. 1-33552
- Namihiara, Y., Kudo, M., Mushiaki, Y. Polarization characteristics of twisted single mode optical fiber 1-40920
- Namihiara, Y. *see* Mochizuki, K. 1-51165
- Namikawa, T., Hamabata, H., Tanabe, K. The effect of electron temperature anisotropy on the field-aligned propagation of whistler waves 1-46875
- Namiki, J. FM interference elimination systems for digital microwave transmission 1-51769
- Namitokov, K.K., Frenkel', Z.M. Analysis of pressure on the casing of a fuse 1-27676
- Namitokov, K.K. *see* Tae, I.S. 1-35276
- Namizaki, H., Kumabe, H., Susaki, W. Spontaneous emission behavior in AlGaAs TJS lasers 1-37135
- Namizaki, H. *see* Oomura, E. 1-37110, 1-41111
- Namizaki, H. *see* Shirahata, K. 1-47696
- Namkung, W., Loschialpo, P., Reiser, M., Suter, J., Lawson, J.D. First results of the University of Maryland electron beam transport experiment 1-43206
- Namkung, W. *see* Destler, W.W. 1-45857
- Nammensma, P. *see* Elen, J.D. 1-41196
- Nan Wang *see* Pathak, P.H. 1-41316, 1-47012
- Nan-xian Chen *see* Chen Nan-xian
- Nanayakkara, S., Campbell, C.K. A surface acoustic wave application for a PAM-FM communication modem 1-37798
- Nanba, M. A new technique for antimony diffusion into silicon 1-27924
- Nanba, M., Kozuka, H., Usami, K. High concentration antimony diffusion into silicon using auxiliary wafers 1-50869
- Nanba, S. *see* Ogura, T. 1-27356
- Nanberg, D.W. Teleconferencing and continuing education 1-47824
- Nanbu, K. *see* Hiayamizu, S. 1-32674, 1-40443
- Nanbu, K. *see* Narita, S. 1-46161, 1-46162
- Nanda, J., Bijwe, P.R. Optimal hydrothermal scheduling with cascaded plants using progressive optimality algorithm 1-34766
- Nanda, J., Bijwe, P.R. Optimal hydrothermal scheduling with cascaded plants using progressive optimality algorithm 1-43514
- Nanda, J. *see* Kothari, M.L. 1-38667, 1-43523
- Nanda, J. *see* Nagendra Rao, P.S. 1-38712
- Nanda, S.P., Tiwari, S.N., Singh, L.P. Fault analysis of six-phase systems 1-53058
- Nandi, R. *see* Singh, V.K. 1-45458
- Nandou Chen *see* Chen Nandou
- Nanek, D. *see* Bonner, R.E. 1-30449
- Nani, R.Kh. *see* Guseinov, Dzh.T. 1-33103
- Nania, R. *see* Basile, M. 1-43250, 1-43251
- Nanishi, Y. *see* Parsey, J.M. 1-35933
- Nanpo, Y. *see* Kikuta, T. 1-29638
- Nantou, Y. Ventilated psychrometer of direct indication type with fast response 1-38321
- Nantou, Y., Suzuki, S. Multichannel digital ventilated psychrometer using eight-bit microcomputer 1-47891
- Nanush'yan, S.R. *see* Grigor'yants, V.V. 1-33057
- Nanya, T. *see* Yamada, T. 1-50520
- Noano, H. *see* Matsumoto, M. 1-34162
- Napartovich, A.P. *see* Baranov, V.Yu. 1-51369
- Napijalo, M.Lj. *see* Zegarac, S. 1-37285
- Napijalo, M.Lj. *see* Zizic, O. 1-36488
- Napoli, A. Di *see* Di Napoli, A.
- Nara, A. *see* Ishihara, O. 1-45680
- Nara, S. *see* Kurokawa, T. 1-51168
- Nara, Y. *see* Koda, F. 1-43889
- Nara, Y. *see* Matsumura, M. 1-42540
- Naraine, P., Campbell, C.K., Ye, Y. A SAW step-type delay line for efficient high order harmonic mode excitation 1-36787
- Narasimham, M.A. *see* Hood, F.P., III 1-27894
- Narasimham, P.S.L., Giridhar, A., Mahadevan, S. Electrical conductivity studies on families of glasses of the Ge-Sb-Se system 1-40423
- Narasimhamurthi, N. Exploiting the structure of real power-phase angle equations 1-49053
- Narasimhan, K.L. *see* Guha, S. 1-37003
- Narasimhan, K.S.V.L. Low oxygen processing of SmCo<sub>5</sub> magnets 1-46425
- Narasimhan, M.S., Anantharam, V., Prasad, K.M. A note on the shaping of dual reflector antennas 1-41388
- Narasimhan, M.S., Raghavan, K., Ramanujam, P. Radiation characteristics of prime focus parabolics with square aperture 1-41385
- Narasimhan, M.S., Ramanujam, P., Raghavan, K. GTD analysis of near-field and far-field patterns of a parabolic subreflector illuminated by a plane wave 1-47016
- Narasimhan, R., Kulkarni, C.P., Manjunath, M.S. Power system operation—management of a metropolitan load centre 1-43579
- Narayan, P., Snyder, D.L. The cutoff rate region for multiple access optical communication systems 1-33431
- Narayan, P., Snyder, D.L. The two-user cutoff rate for an asynchronous and a synchronous multiple-access channel are the same 1-51874
- Narayan, S.S. *see* Soong, F.K. 1-37613
- Narayan, S. Shankar *see* Shankar Narayan, S.
- Narayana, R.V. *see* Kumar, U.V.G. 1-46871
- Narayanan, H., Vartak, M.N. An elementary approach to the principal partition of a matroid 1-39603
- Narayanan, T.V. *see* Pomeroy, B.D. 1-35103
- Narbut, V.P. *see* Borovikov, V.A. 1-47029
- Narciss, H. High voltage DC power supplies for RF-klystron-transmitters in accelerators and storage-rings 1-48360
- Nardai, F., Weber, H.W. Computerized measuring system for critical currents in superconductors 1-38084
- Nardai, F., Weber, H.W., Maix, R.K. Neutron irradiation of a broad spectrum of NbTi superconductors 1-36841
- Nardone, S.C., Aidala, V.J. Observability criteria for bearings-only target motion analysis 1-33996
- Narendra, P. *see* Fitch, R. 1-47990
- Narendra, P.M. Reference-free nonuniformity compensation for IR imaging arrays 1-38140
- Naret, M. Integrated circuit holders 1-27672
- Narewski, E. *see* Freundlich, P. 1-48204
- Narey, S.P. Pulse power supply [small d.c. motor speed control] 1-44126
- Nariman Mobedjina, D. *see* Townes, S.A. 1-29132
- Narimatsu, S., Yamaguchi, K., Nakano, S., Maruyama, S. Interrupting performance of capacitive current by disconnecting switch for gas insulated switchgear 1-44277
- Narita, K. *see* Kominami, M. 1-45174
- Narita, S., Takeyama, S., Luo, W.B., Hiayamizu, S., Nanbu, K., Hashimoto, H. Galvanomagnetic study of 2-dimensional electron gas in Al<sub>0.9</sub>Ga<sub>0.1</sub>As/GaAs heterojunction FET 1-46161
- Narita, S., Takeyama, S., Luo, W.B., Hiayamizu, S., Nanbu, K., Hashimoto, H. Magnetoconductance investigations of Al<sub>0.9</sub>Ga<sub>0.1</sub>As/GaAs heterojunction FET in strong magnetic fields 1-46162
- Narita, S. *see* Muro, K. 1-27787
- Narita, Y. *see* Tamamoto, H. 1-40062
- Narkus-Kramer, M., Sharp, E.G., Kannan, N. The MITRE E<sup>3</sup> family of models: structure and results 1-53162
- Naruke, Y. *see* Matsumura, M. 1-36641, 1-36680
- Narumiya, K. *see* Okimi, K. 1-29505
- Naruse, M., Nonaka, S., Yamada, T., Nakamura, K., Takahashi, K. Automatic optical axes manipulating systems for optical fiber communication devices 1-37911
- Naruse, Y., Kobayashi, T., Jimbo, M., Tanoue, T., Suzuki, T. 200 channel semiconductor detectors for X-ray computed tomography 1-34572
- Nasar, S.A. *see* Cathey, J.J. 1-31244
- Nasby, R.D. *see* Garner, C.M. 1-53639
- Nasby, R.D. *see* Weaver, H.T. 1-39119
- Nash, A.E. *see* Gorbics, S.G. 1-52822
- Nash, F.R., Paoli, T.L., Hartman, R.L. Improvements of the electro-optic properties of (Al,Ga)As lasers by means of reduced reflection dielectric facet coatings 1-33237
- Nash, F.R. *see* Pawlik, J.R. 1-46725
- Nashchekin, S.A. *see* Borisov, B.N. 1-33281
- Nashed, M.Z. Operator-theoretic and computational approaches to ill-posed problems with applications to antenna theory 1-41291
- Nashimomo, Y., Fuyuki, S., Akutagawa, T., Hayakawa, S. Photoelectronic properties of p-type CdTe in an aqueous solution 1-27889
- Nasko, H. Motivation and quality 1-26948
- Nassau, K. The material dispersion zero in infrared optical waveguide materials 1-40886
- Nassau, K. Material considerations for long-wavelength optical waveguides 1-40931
- Nasser, A. *see* Sofrata, H. 1-53799
- Nassibian, A.G., Jordan, D., Golja, B., Simmons, J.G. The platinum doped MOST: a memory storage element 1-50932
- Nassibian, A.G. *see* Dell, J.M. 1-36627
- Nassibian, A.G. *see* Golja, B. 1-27786
- Nassibian, A.G. *see* Moustakas, S. 1-36608
- Nassibian, G. *see* Delahaye, J.P. 1-48458
- Nassief, F.R. *see* Taylor, C.W. 1-43561
- Nassif, N.R., Pini, F. Semi-discrete and fully discrete element methods with penalty for the numerical solution of the waterhammer problem 1-32011
- Nassimi, D., Sahni, S. A self-routing Benes network and parallel permutation algorithms 1-33798
- Nassisi, V. *see* Luches, A. 1-32537
- Nast, T.C. Status of solid cryogen coolers 1-48796
- Naster, R.J., Hwang, Y.C., Zaidel, S. Silicon on sapphire monolithic microwave ICs 1-32889
- Nasu, T., Yokoi, S., Tsuruoka, S., Miyake, Y. A simple method for displaying three-dimensional objects using mesh data structure [computerized tomography] 1-48689
- Nasu, Y. *see* Okamoto, K. 1-41024, 1-46649
- Nasyrov, T.Kh. Simulation of actual and ideal transformers in calculating asymmetrical conditions in electrical systems by means of compound equivalent circuits 1-40254
- Natarajan, K.S., Calo, S.B. Time slot assignments in an SS/TDMA system with minimum switchings 1-33433
- Natarajan, P. *see* Tamilarasan, R. 1-46645
- Natarajan, R. *see* Subramanian, R. 1-35685, 1-50051
- Natarajan, S. On active compensation of multiple amplifier active filters 1-45516
- Natarov, V.P. *see* Klepikov, V.B. 1-31550
- Nate, K., Kobayashi, T. Poly p-substituted phenyl isopropenyl ketones for positive photoresists 1-45800
- Natesan, J. *see* Gopalan, M.N. 1-50054, 1-50055
- Nath, G., Berg, G.J. Transient analysis of SCR controlled three-phase induction motors 1-44097
- Nath, P., Kaur, M.M. On characterizing the Shannon entropy without assuming symmetry 1-39548
- Nath, R., Rivera, C. Constancy of spectral quality across large fields from Clinac-4 and Clinac-6 accelerators 1-43374
- Nath, S. *see* Martin, S.D., Jr. 1-48599
- Nathan, M.I. *see* Chin-An Chang 1-50810
- Nathan, M.I. *see* Heiblum, M. 1-36516
- Nathan, M.I. *see* Rosenberg, J.J. 1-45892
- Nathan, V.J. Education and training for the emerging careerpaths in energy engineering 1-26814
- Nation, J.A. *see* Ivers, J.D. 1-48402
- Nation, J.A. *see* Providakes, G. 1-48399
- Natkin, S. *see* Beyaert, B. 1-50063
- Natori, N. *see* Itoh, N. 1-34890
- Natsuaki, N. *see* Tokuyama, T. 1-35955
- Natsui, K. *see* Ujita, K. 1-53144
- Natusch, K. *see* Kozirowski, K. 1-34224
- Naughton, M. *see* Magaw, R. 1-30930
- Nauka, K., Misiewicz, J. Minority-carrier diffusion length in Zn<sub>3</sub>P<sub>2</sub> 1-45964
- Nauka, K., Pawlikowski, J.M. Photoeffects in metal-Zn<sub>3</sub>P<sub>2</sub> contacts. I. A model 1-37028
- Naulin, F., Roy-Stephan, M., Kashy, E. Improved energy resolution in an ionization chamber through suppression of the electrical field distortions 1-38422
- Nault, J.G. *see* Edwards, S.J. 1-29773
- Naumaan, A., Wu, R.W., Boyd, J.T. Optical mask fabrication for integrated optical circuits 1-46572
- Naumenko, I.G. *see* Dzyubenko, M.I. 1-51400
- Naumenko, K.P. *see* Andrushko, L.M. 1-33383
- Naumenkov, P.A. *see* Batishche, S.A. 1-33282, 1-46788
- Naumov, A.A. *see* Ageyev, A.I. 1-42866
- Naumov, A.P., Zinicheva, M.B. Determination of the vertical absorption of radiowaves in the atmospheric windows in the microwave range 1-46894
- Naumov, I.V. *see* Voitovetskii, V.K. 1-30374
- Naumov, V.A. *see* Basharin, G.P. 1-37742
- Naumova, G.D. *see* Grachyeva, I.V. 1-35392
- Naunin, D. The calculation of the dynamic behaviour of electrical machines by space-phasors 1-53411
- Nauryzbaev, A. *see* Bol'shakov, L.P. 1-32647
- Nava, F. *see* Jacoboni, C. 1-50766
- Nava, H.O. *see* Acosta, E. 1-46998

- Navaneeth, G.N.** *see* Soitkar, V.S. 1-42774
- Navaneeth, G.N.** *see* Sunnapwar, K.P. 1-48243
- Navaro, D.**, Yongacoglu, A., Cochran, P. Transmission of 8.448 Mbit/s over pair cable 1-42141
- Navarra, G.** *see* Morello, C. 1-52686
- Navarra, F.L.** *see* Bollini, D. 1-38421
- Navratil, S.**, Preuss, A. Methods proposed for projecting stepping motors with permanent magnets 1-53501
- Navrotskaya, Yu.N.** Cavity measurement of the negative resistance of an avalanche diode 1-36588
- Nawab, H.**, Oppenheim, A.V., Lim, J.S. Improved spectral subtraction for signal restoration 1-41769
- Nawara, G.M.**, Ismail, I.A., Riad, M.S., Galali, I.A. Statistical prediction of power consumption 1-44543
- Nawara, L.**, Bednarz, B. Influence of errors of the installation at the holographic determination of shape errors on surfaces of machine parts 1-46805
- Nawata, K.** *see* Nakano, Y. 1-50286, 1-51453
- Nawata, K.** *see* Tokunaga, M. 1-28713
- Nawata, S.** *see* Kaminishi, K. 1-37286
- Nawojski, J.** *see* Lysiak, E. 1-48944
- Nawrocky, R.J.**, Montemurro, P.A., Baron, J. On the design of fast kickers for the ISABELLE beam abort system 1-48349
- Nawrot, S.** *see* Fornal, F. 1-49164
- Nayak, J.H.** Radial field buried-servo scheme [magnetic recording] 1-51087
- Nayar, P.S.**, Catalano, A. Zinc phosphide-zinc oxide heterojunction solar cells 1-53612
- Naylor, A.I.** *see* Stephens, W.H. 1-53689
- Naylor, K.L.** *see* Brower, D.V. 1-30755
- Nazar, F.M.**, Atiq, M.T. Electrical conduction in anodic tungsten oxide thin films 1-40755
- Nazar, F.M.**, Atiq, M.T. High-field conduction mechanism changes in anodic  $WO_3$  and  $Ta_2O_5$  films 1-46005
- Nazar, F.M.**, Ghauri, M.A., Bokhari, W. Field-dependence of the optical band gap in  $CdO-P_2O_5$  glass 1-33102
- Nazar, F.M.**, Siddiqui, S.A. UV photoconduction in  $\alpha-Al_2O_3$  single crystals 1-51252
- Nazar, F.M.** *see* Anis, M.K. 1-46610, 1-50804
- Nazar, F.M.** *see* Ghauri, M.A. 1-51251
- Nazarok, V.I.** *see* Zil'berblat, M.A. 1-35521
- Nazarov, V.A.** *see* Rudoi, V.M. 1-29957
- Nazarov, V.V.** Device for the alteration of the active resistance in the neutral of the incompensate networks of 3-10 kV 1-53136
- Nazer, M.O.** Photovoltaic concentrator power station for a village in Saudi Arabia 1-53320
- Nazhestkina, E.I.**, Rusanov, V.V. An approximation of the boundary conditions in difference schemes 1-39703
- Nazikyan, A.G.**, Fomin, A.P., Polyakov, V.M., Tiratsuyan, O.E., Gribovan, P.F. Determinations of the full switching magnetising force of DC inverter motors 1-38997
- Nazir, M.** *see* Ghauri, G.A. 1-48623
- Nazir, M.** *see* Sajjad, M.I. 1-45138
- McNeil, W.E.** *see* Appel, J.C. 1-34658
- Naderhouser, C.C.** An almost sure invariance principle for partial sums associated with a random field 1-44872
- Neagoe, V.E.** Optimal M-ary system with polynomial form pulse code modulation 1-37569
- Neagoe, V.E.** Predictive data compression of color picture signals using a component coding method 1-33669
- Neagu, V.** *see* Balan, G. 1-30718
- Neal, R.** Competition spurs real value in PBXs 1-37828
- Neal, S.B.H.C.**, Northover, E.W. Measuring heat transfer in the boiler furnace 1-53257
- Neal, T.M.** Test programming—getting top value—keeping it 1-52377
- Neau, E.L.** *see* Boyer, W.B. 1-34220
- Neau, E.L.** *see* VanDevender, J.P. 1-33376
- Nebbia, L.** *see* Copperi, M. 1-47630
- Nebenzahl, L.**, Borgioli, J., De Palma, V., Gong, K., Mastrangelo, C., Pourroy, F. Forces involved in cleaning of an electrophotographic layer 1-33321
- Nebolsine, P.E.**, Pirri, A.N., Goela, J.S., Simons, G.A. Pulsed laser propulsion 1-38563
- Nechae, N.V.** *see* Chogolin, P.M. 1-39244
- Nechae, V.E.** *see* Bolotov, V.E. 1-38357
- Nechae, V.M.**, Poltoratskii, E.A., Suris, R.A. Thermally stimulated luminescence flash in GaP 1-33128
- Nechayev, A.M.** *see* Kerner, B.S. 1-28000
- Nechezhelenko, B.V.** *see* Kovan'ko, V.V. 1-48240
- Nechiporenko, A.I.** *see* Nikolaenko, A.T. 1-38291
- Nechitailo, V.S.** *see* Danileiko, Yu.K. 1-41135
- Necsoiu, T.** *see* Stanciu, I. 1-37189
- Nedelec, J.** *see* Fournie, R. 1-27634
- Nedeoglo, D.D.** *see* Ivanova, G.N. 1-27807
- Nedic, S.** *see* Milutinovic, V. 1-27368
- Nedobukh, N.A.** Features of use of crystal heat-sensitive vibrators 1-42764
- Nedtwig, J.** *see* Benndorf, H. 1-29637
- Nedungadi, A.** Accurate submicroampere controlled current source 1-32160
- Nedunuri, R.** Some new results in the theory of normal distributed networks 1-32145
- Nee, H.H.** *see* Zeppieri, D.J. 1-45723
- Neebe, F.C.**, Hissong, S.J., Nelson, W.E., Jr. Microprocessor flight control application study 1-52909
- Needes, C.R.S.** *see* Pitt, V.A. 1-45846
- Needham, J.C.** New-generation meters track weld parameters 1-30187
- Needle, A.R.** Design of PIN switches for high power radars 1-47744
- Neel, J.**, Farmer, D. Flexibility in computer networks 1-29424
- Neel, R.** Scheduling measurements to be made by a step-stare mosaic infrared sensor 1-42550
- Neessen, J.**, de Haas, J. Measured statistics of transmission loss due to ducting on trans-horizon links at 6.4 and 7.4 GHz 1-28903
- Neessen, J.** *see* Mawira, A. 1-46918
- Nefedov, E.I.**, Fialkovskii, A.T. Open coaxial resonant structures (a review) 1-27606
- Nefedov, I.Ye.** *see* Nefedov, Ye.I. 1-46993
- Nefedov, S.N.** *see* Phylippov, L.P. 1-34389
- Nefedov, Ye.I.**, Nefedov, I.Ye., Fialkovskiy, A.T. An open-ended microstripline 1-46993
- Nefedov, Ye.I.** *see* Glushchenko, A.G. 1-46978
- Nefedov, Yu.I.** Adaptive image filtering 1-47243
- Neff, H.P.**, Jr. Basic electromagnetic fields 1-49859
- Neff, R.**, Senzig, D. A local network design using fiber optics 1-29765
- Neff, R.D.** *see* King-Sartor, T.L. 1-48762
- Neff, D.** *see* Psaltis, D. 1-29225
- Neff, D.** *see* Trimble, J. 1-41816
- Negani, V.A.** *see* Glushchenko, A.G. 1-46978
- Negishi, Y.**, Ashiya, F., Furukawa, S., Kojima, N. Effect of variation in material properties and cable dimensions on 43 mm submarine coaxial cable transmission characteristics 1-52041
- Negishi, Y.**, Iwabuchi, K., Yoshizawa, T., Sato, Y. Abrasion resistant armor wire for submarine cable 1-29598
- Negishi, Y.** *see* Ashiya, F. 1-33913, 1-42150, 1-52042
- Negishi, Y.** *see* Furukawa, S. 1-47517
- Negishi, Y.** *see* Yabuta, T. 1-37925
- Negoescu, S.** *see* Barret, J.P. 1-35151
- Negoita, Gh.**, Chirculescu, M. Interface module for the magnetic band 1-46405
- Negra, M.D.** Pattern recognition in calorimeters 1-38446
- Negreanu, M.** *see* Beldiman, C. 1-32286
- Negreanu, M.** *see* Ispas, I. 1-40560
- Negrini, P.** *see* Finetti, M. 1-45904
- Negro, A.L.** *see* Chiampì, M. 1-44168
- Negroponte, N.**, Parker, W. Talking heads—display techniques for persona 1-48004
- Nehl, T.W.** *see* Demerdash, N.A. 1-49537, 1-49538
- Nehl, T.W.** *see* Fouad, F.A. 1-53397
- Nehmix, P.** *see* Engelke, H. 1-27946
- Nehorai, A.**, Morf, M. Enhancement of sinusoids in colored noise and the whitening performance of exact least-squares predictors 1-37610
- Nehorai, A.** *see* Reddy, V.U. 1-41678
- Nehra, C.P.** Omega lane ambiguity resolution using methods of statistical decision theory 1-47750
- Nehring, F.W.** *see* Martin, J.A. 1-42895
- Nehrir, M.H.** A simple approach to analysis of faulted power systems 1-38651
- Nehrir, M.H.** A real-time digital controller for automatic voltage regulation of DC generators 1-49478
- Neighbors, M.A.** *see* Shermer, C.L. 1-41785
- Neikirk, R.S.** On local battery, the sun never sets [telephone systems] 1-29355
- Neil, C.C.** Miniature rotator [for crossed cylinder lens] 1-51498
- Neil, G.** *see* Boehmer, H. 1-46663
- Neil, V.K.** *see* Briggs, R.J. 1-48400
- Neils Thompson, J.** *see* Hop kins, F.F. 1-35985
- Neilsen, I.R.**, Slater, J.M., Shreyer, D.W. CT scanner assumes key role in computer-based radiotherapy planning system 1-43322
- Neilsen, M.N.** Utilisation of electrical energy in an integrated steelworks 1-44524
- Neininger, G.**, zur Heiden, D. Radar clearance-warning system (RAS) of FM/CW type, with microprocessor-assisted signal processing 1-29801
- Neiryneck, J.**, Carlin, C.-H. Synthesis of the lossless reciprocal three-port based on a canonic form of its scattering matrix 1-45168
- Neishlos, H.**, Israeli, M., Kivity, Y. Stability of some explicit difference schemes for fluid-structure interaction problems 1-39681
- Neiswander, P.A.** *see* Nelson, G.C. 1-49654
- Neittaanmaki, P.**, Saranen, J. Finite element approximation of electromagnetic fields in three dimensional space 1-37249
- Neizvestnyi, I.G.**, Pusep, Yu.A., Sinyukov, M.P., Shumskii, V.N. Detectivity spectrum of germanium photodetectors in the fundamental absorption band region 1-32688
- Nekh, G.A.** *see* Belozerova, L.I. 1-42416
- Neklepae, B.N.** *see* Apyshv, Dzh. 1-43778
- Nekrasov, V.S.**, Paataashvili, L.A., Polishchuk, I.M. A problem of electromagnetic screening 1-41256
- Nelkin, M.**, Tremblay, A.-M.S. Deviation of 1/f voltage fluctuations from scale-similar Gaussian behavior 1-50631
- Nellen, J.** *see* Scharten, T. 1-41390
- Nellis, W.J.** *see* Mitchell, A.C. 1-38356
- Nelson, A.L.M.** SASKTEL's lightwave highway 1-51892
- Nelson, A.R.**, McMahon, D.H. Passive multiplexing of digital fiber-optic sensors 1-28429
- Nelson, A.R.**, McMahon, D.H., Van de Vaart, H. Multiplexing system for fibre optic sensors using pulse compression techniques 1-30073
- Nelson, A.R.**, McMahon, D.H., van de Vaart, H. Multiplexing system for fiber-optic sensors using pulse compression techniques 1-38188
- Nelson, A.R.** *see* Gravel, R.L. 1-51156
- Nelson, B.P.** *see* White, K.I. 1-28504, 1-46536
- Nelson, C.** New process boosts current levels of monolithic voltage regulator 1-39892
- Nelson, C.** *see* Jonckheere, A. 1-30300
- Nelson, C.C.** *see* Ramer, O.G. 1-36967
- Nelson, C.V.**, Hodgkin, B.C. Effect of thorax dimensions on vectorcardiograms of children 1-48741
- Nelson, D.A.** Get the most out of a versatile video amplifier 1-27299
- Nelson, D.F.** *see* Cooper, J.A., Jr. 1-45901
- Nelson, D.J.** *see* Vemuri, S. 1-49014
- Nelson, G.** *see* Duerr, J.R. 1-29475, 1-37756, 1-47396
- Nelson, G.C.**, Neiswander, P.A., Searcy, J.Q. Lithium compound identification in thermally activated batteries by ISS and SIMS 1-49654
- Nelson, J.A.** VLSI package design considerations 1-28078
- Nelson, J.K.**, Sabuni, H. Evidence for the role of free volume in the high field breakdown of polymers 1-36707
- Nelson, J.K.** *see* Boggs, S.A. (editor) 1-26775
- Nelson, J.W.** *see* Bauman, S. 1-38328
- Nelson, M.D.** Minnkota's load management program: economic aspects 1-30627
- Nelson, M.D.** Minnkota's program of load management: seven years in review 1-38659
- Nelson, M.D.** Minnkota's program of load management: seven years in review 1-38692
- Nelson, P.R.** Numerical evaluation of an equicorrelated multivariate non-central t distribution 1-35781
- Nelson, R.** Today's datacomm networks call for new service approaches 1-41954
- Nelson, R.** High-frequency instruments 1-48015
- Nelson, R.B.** *see* Ito, Y.M. 1-39641
- Nelson, R.G.** *see* Bindels, J.F.M. 1-32306
- Nelson, R.J.** *see* Dutta, N.K. 1-33220, 1-37136, 1-51483
- Nelson, S.O.**, Fanslow, G.E., Bluhm, D.D. Frequency dependence of the dielectric properties of coal 1-46849
- Nelson, S.R.** *see* Hua Quen Tserng 1-45655
- Nelson, S.R.** *see* Macksey, H.M. 1-32841
- Nelson, S.R.** *see* Tserng, H.Q. 1-27598
- Nelson, T.J.**, Bonyhard, P.I., Geusic, J.E., Hagedorn, F.B., Johnson, W.A., Wagner, W.D.P. Ion-implanted bubble circuit function design 1-28257
- Nelson, T.J.** *see* Vella-Coleiro, G.P. 1-46395
- Nelson, T.J.** *see* Wolfe, R. 1-46445
- Nelson, V.P.**, Nagle, H.T., Jr. Digital filtering performance comparison of 16-bit microcomputers 1-36256
- Nelson, V.P.** *see* Nagle, H.T., Jr. 1-36255
- Nelson, W.** Analysis of performance-degradation data from accelerated tests 1-39448
- Nelson, W.E.**, Jr. *see* Neebe, F.C. 1-52909
- Nelson, W.J.**, Walmsley, D.G., Bell, J.M. Resistance and transmission electron microscopy studies of the infusion doping of tunnel junctions 1-40477
- Nema, R.S.** *see* Husain, E. 1-28152
- Nemanich, H.J.** *see* Thompson, M.J. 1-50823
- Nemanich, R.J.** *see* Tsai, C.C. 1-45992
- Nemchenko, N.M.** Ratio of the induction motor current to its no-load current as a function of slip 1-44090
- Nemchinov, V.M.** *see* Vaganov, V.I. 1-48065
- Nemec, D.**, Janu, K. A contribution to solving the Fourier transformation using the 18080 microcomputer 1-50270
- Nemenov, L.L.**, Plis, Yu.A., Plotko, V.M., Tarakanov, N.M., Chepegin, V.N. Use of a carbon film to generate beams of secondary particles on proton synchrotrons 1-30306
- Nemes, M.** *see* Dragan, G. 1-38774
- Nemeth, A.** *see* Deak, I. 1-48933
- Nemeth, C.W.**, Rackliffe, G.B., Legro, J.R. Ampacities for cables in trays with firestops 1-43704
- Nemeth, J.**, Hamori, M., Kaufmann, K., Pogany, A., Szendrenyi, T. An X25 based data transmission system for PDP 11 computer. I 1-41963
- Nemeth, K.** *see* Laday, O. 1-31167, 1-53478, 1-53479
- Nemetz, R.** *see* Chupp, W. 1-48405
- Nemhauser, G.L.** *see* Wen-lian Hsu 1-27002

- Nemigenchev, I.N. *see* Spasov, A.Ya. 1-36125
- Nemirov, Yu.V. *see* Adonin, V.M. 1-32119
- Nemkov, V.S. Calculation of inductors by impedance boundary conditions 1-49796
- Nemoto, S., Tetsusaki, K. Energy transmission capacity of optical fibers determined by a temperature rise 1-33026
- Nemoto, Y. *see* Iwanami, Y. 1-50469
- Nemoto, Y. *see* Kobayashi, K. 1-32324, 1-46971
- Nenchev, M.N. *see* Meyer, Y.H. 1-28670
- Nencioni, F. The electric vehicle: energy and environmental aspects 1-39155
- Neng-hang Fang *see* Fang Neng-hang
- Nenov, D.A., Epitropova, A.Ch. A dialog system simulating the behavior of patients with blunt abdominal traumas 1-30471
- Nepomnyashchii, I.L., Yampol'skiy, V.G. An antenna director in the form of a flat polygonal screen 1-47077
- Neporent, B.S. *see* Nesterova, Z.V. 1-28786
- Neri, J.M., Hammer, D.A., Baglin, J.E.E., Hodgson, R.T. An intense pulsed barium ion source 1-48556
- Nersesov, E.A. *see* Fedorov, M.V. 1-28610
- Nerz, K.P. *see* Kasser, J. 1-30583
- Nesemann, H., Susta, J., Wedtstein, F., Wille, K. DORIS II, an e<sup>-</sup>e<sup>+</sup> storage ring with mini beta sections 1-48313
- Nesemann, H. *see* Degele, D. 1-43142
- Nesemann, H. *see* Rossbach, J. 1-42785
- Nesetril, J., Poljak, S., Turzik, D. Amalgamation of matroids and its applications 1-50076
- Nesetril, J. *see* Adams, M.E. 1-50200
- Neshchimenko, Yu.P. *see* Velikanov, A.G. 1-28660
- Nesic, A. A printed array of symmetrical dipoles with a novel feeding configuration 1-41432
- Nespurek, S. Photovoltaic phenomena in organic semiconductors 1-51270
- Nesrullaev, A.N., Rabinovich, A.Z., Sonin, A.S. Chiral smectic C\* as a medium for thermooptical recording 1-51234
- Nesrullaev, A.N., Rabinovich, A.Z., Sonin, A.S., Shelemin, E.B. Thermooptic data storage in the chiral ferroelectric smectic C\* phase of liquid crystals 1-51864
- Ness, J.E. *see* Van Ness, J.E.
- Neset, J.E., Finch, J.A. The static (buildup) model of particle accumulation on single wires in high gradient magnetic separation: Experimental confirmation 1-41199
- Nessler, N.H. Subsurface position finding with ELF-waves 1-48845
- Nester, J.F. *see* Buckley, W.D. 1-46044
- Nesterikhin, Yu.E. *see* Budarynykh, V.I. 1-27106
- Nesterov, B.P., Korovin, N.V., Brodyanski, V.M. Thermodynamic analysis of combined electrochemical power plants 1-31145
- Nesterov, V.A. *see* Tarkhanov, O.V. 1-30067
- Nesterov, V.M. *see* Buklei, A.E. 1-30325
- Nesterova, Z.V., Aleksandrov, I.V., Mel'nik, I.V., Neporent, B.S., Sattarov, D.K., Safulina, S.S. Optical-fiber parametric Raman frequency converter 1-28786
- Nesteruk, G.F. *see* Potapov, V.I. 1-46459, 1-46460
- Nesteruk, V.F. Recognition of signals under conditions of general simulation and when interference is present in the channel using the theory of games 1-41725
- Nesteruk, V.F. *see* Potapov, V.I. 1-46459, 1-46460
- Nestler, D. *see* Kempf, R. 1-31681
- Nestler, J., Heinemeyer, P., Steinweg, M. Boiling cooling in power electronics 1-26931
- Nestler, J., Senger, K. Microprocessors in power electronics 1-27243
- Nestler, J., Senger, K. Microprocessors in power electronics 1-39915
- Nestork, W.J. Bus-attachable loop memory 1-45377
- Neter, J. *see* Plante, R. 1-35794
- Neto, J.B. De M. Ayres *see* Ayres Neto, J.B. De M.
- Netravali, A.N. Digital transmission of graphics 1-47360
- Netravali, A.N., Robbins, J.D. Motion-compensated coding: some new results 1-29078
- Netravali, A.N. *see* Johnson, O. 1-41795
- Netter, P., Lassen, L., Schreck, R., Gemmeke, H. A large position-sensitive neutron detector 1-48590
- Nettle, V.H. *see* Chubb, C.R. 1-28725
- Nettles, J.L., Witsmeier, A.J. Reference preparation for radiometric update systems 1-48890
- Nettles, J.L., Witsmeier, A.J., Wilt, R.E. Radiometric navigation update 1-48806
- Netzer, D.W. *see* Stevenson, C.A. 1-48830
- Netzer, Y. A very linear noncontact displacement measurement with a Hall-element magnetic sensor 1-30262
- Netzer, Y. The design of low-noise amplifiers 1-36116
- Netzer, Y. Signal conditioning stops transducer errors 1-48031
- Neubauer, R. *see* Hannakam, L. 1-45702
- Neuber, W. *see* Beckert, U. 1-35162, 1-39139
- Neubert, E. *see* Zimmer, G. 1-40715, 1-51017
- Neubert, W. A new method of intrinsic alpha particle discrimination by using parallel plate avalanche counters 1-48592
- Neudeck, G.W., Loeppert, P.V. An integrated graphics to pattern generator system [IC layout design] 1-40678
- Neudel, M. *see* Hoffmann, H. 1-28862
- Neuerburg, W. Measurements of wind and deformation on a high radio tower. I. Introduction 1-34380
- Neufeld, H.N. *see* Dagan, J. 1-34624
- Neuffer, D. Design of muon storage rings for neutrino oscillations experiments 1-42788
- Neuffer, D., Riddiford, A., Ruggiero, A.G. 'Arnold diffusion' and diffusion enhancement by the beam-beam interaction 1-43004
- Neugebauer, C.A. *see* Burgess, J.F. 1-45741
- Neugebauer, W. *see* Hirakami, M. 1-38661
- Neugroschel, A. *see* Gonzalez, F.N. 1-39123
- Neuhäus, G., Kremer, E. Repeated chi-square testing 1-35786
- Neuhäus, M. The federal railways and energy comparison between the various means of transport. I 1-44423
- Neuhäus, M. The Swiss federal railway system, and energy comparisons between different modes of transport. II 1-44424
- Neumaier, A. Classification of graphs by regularity 1-50197
- Neuman, V. *see* Ameri, S. 1-34372
- Neuman, Z. *see* O'Conner, D.J. 1-36879
- Neumann, E., Wustenbergh, H. Modern ultrasonic test methods in nuclear reactor technology 1-30940
- Neumann, E.-G. Reducing radiation loss of tilts in dielectric optical waveguides 1-40887
- Neumann, E.W. *see* Kilburn, R.F. 1-39407
- Neumann, F. Standard-level generator SKK and standard-level receiver EKK for measuring wideband cables [cable TV] 1-30149
- Neumann, G., Reichl, A. Austrian energy flow pattern 1-30858
- Neumann, G. *see* Culetto, F. 1-30859
- Neumann, M. *see* de Pillis, J. 1-35886
- Neumann, N. *see* Hofmann, G. 1-46379, 1-51073
- Neumann, P.J. *see* Boundy, A.W. 1-49930
- Neumann, W. *see* Muller, R.W. 1-48336
- Newmark, G.F., Schroder, D.K. An explanation for the anomalous impurity concentrations in Si as measured by the Hall effect 1-36459
- Neumayr, H. Compact—but powerful [automobile radio transceiver] 1-47552
- Neundorff, W. Iterative block methods for the hybrid computer solution of the method of lines 1-45056
- Neupauer, H. *see* Molten, G. 1-49064, 1-53726
- Neureuther, A.R. Microlithography with soft X-rays 1-27916
- Neureuther, A.R. *see* Oldham, W.G. 1-40495
- Neurgaonkar, R. *see* Shrout, T.R. 1-32947
- Neurgaonkar, R.R., Lim, T.C., Staples, E.J., Cross, L.E. Crystal chemistry of ferroelectric materials for surface acoustic wave devices 1-32946
- Neurohr, A. *see* Koziorowski, K. 1-34224
- Neustroev, S.N. *see* Kuleshov, V.N. 1-36150
- Neuvo, Y. *see* Renfors, M. 1-27524
- Neuvo, Y. *see* Saramaki, T. 1-36279
- Neuvonen, D.I., Astuskas, S. Fatal electricity accidents in 1980 1-39366
- Nevalainen, O., Ernvall, J., Katajainen, J. Finding minimal spanning trees in a Euclidean coordinate space 1-35800
- Nevalinna, O. *see* Jeltsch, R. 1-35903
- Nevatia, R. *see* Tseng, D.Y. 1-48811
- Nevels, R.D., Butler, C.M. Electromagnetic scattering by a surface wave from a notch in a ground plane covered by a dielectric slab 1-51579
- Nevgasimiy, A.F. *see* Efremov, Yu.G. 1-36347
- Nevgodenko, R.G. *see* Panchenko, V.A. 1-38173
- Nevill, C.J. Engineers and social change: educational implications 1-26807
- Neville, R.C. *see* Honeisen, B. 1-53646
- Nevolin, V.G. Possible mechanism of acoustic foam quenching 1-43477
- Nevski, P. *see* Deutschmann, M. 1-34480
- Nevski, P. *see* Fabjan, C.W. 1-48585
- Nevski, P. *see* Ludlam, T. 1-34481
- New, B.J. The Am29500 signal processing family 1-41740
- New, B.M. *see* West, G. 1-34724
- New, R., Sanctuary, P. Where the power goes [telecommunication systems supplies] 1-42026
- Newbery, P.G. Low voltage fuses are here to stay [circuit protection] 1-40292
- Newborg, D. CP antennas for television stations 1-29842
- Newbower, R.S. *see* Cooper, J.B. 1-38476
- Newby, K. *see* Bellows, R.J. 1-31415
- Newcomb, M. Telexes at the travel terminals 1-29372
- Newcomb, R.W. Neural-type microsystems-circuit status 1-46228
- Newcomb, R.W., Goknar, I.C. On the state description of nonlinear networks—further results 1-32151
- Newcomb, R.W. *see* Debnath, N.C. 1-41286
- Newell, R.J. *see* Bahrman, M.P. 1-43646
- Newell, Ty. *see* Boehm, R.F. 1-31124
- Newell, W.R. *see* Brewer, D.F.C. 1-51569
- Newey, D.A., Crane, R.A. Operation aspects of generation and transmission 1-49037
- Newey, S.F. The reasons for change 1-30932
- Newham, P. A high efficiency splashplate feed [mobile antenna] 1-41444
- Newhoff, D.L., Shields, P.C. Finite state indecomposable channels are almost finite 1-33455
- Newhouse, V.L. *see* Saniee, J. 1-38627
- Newkirk, L.R. *see* Maley, M.P. 1-28279
- Newlon, R. *see* Kandt, R.K. 1-52376
- Newman, B.B. *see* Miller, R.L. 1-33544
- Newman, E.H., Tulyathan, P. Analysis of microstrip antennas using moment methods 1-28974
- Newman, E.H. *see* Pozar, D.M. 1-41293
- Newman, G.H. *see* Whittingham, M.S. 1-35342
- Newman, H.W. A utility's progress in switching 20/34.5 kV URD 1-49086
- Newman, J. *see* Pollard, R. 1-35341, 1-39110
- Newman, J.J. *see* Fisher, R.D. 1-40807
- Newman, L.A. The N<sub>2</sub><sup>+</sup> waveguide laser: Experiment and theory 1-41047
- Newman, L.A., Smith, D.C. Laser-induced waveguide propagation concept 1-33268
- Newman, L.A. *see* Cantor, A.J. 1-32109
- Newman, P. Video summing amplifier 1-42424
- Newman, P.G. *see* Miller, D.L. 1-50887
- Newman, P.R. *see* Khoshnevisan, M. 1-46594
- Newman, R. *see* Brown, B.C. 1-32584
- Newman, R. *see* Lin, A. 1-36456
- Newman, R.C., Woodhead, J. Proton and deuteron implantations in GaAs, GaP and InP 1-27810
- Newman, T.G., Jr. Meeting the testing challenge of analog LSI 1-29997
- Newman, W.S. (editor) 11th International Conference on High-Energy Accelerators 1-39284
- Newnam, B.E., Hohla, K.L., Warren, R.W., Goldstein, J.C. Optical diagnostics for the Los Alamos free-electron laser amplifier experiment 1-51314
- Newnam, B.E. *see* Stein, W.E. 1-37047
- Newnam, R.E. *see* Gururaja, T.R. 1-36735
- Newnam, R.E. *see* Halliyl, A. 1-32891
- Newnam, R.E. *see* Uchino, K. 1-42603
- Newnam, R.F. *see* Savakus, H.P. 1-46359
- Newns, G.R. *see* Beales, K.J. 1-28432, 1-46494
- Newport, J.B. *see* Greer, R.H. 1-30731
- Newsom, C.R. *see* Hollas, C.L. 1-43199
- Newsom, T.H., Racine, F.A. Card test flexibility with reduced lead length 1-29980
- Newsome, M.J. Four-state solution for stepper motor drive 1-35202
- Newton, A.R., Pederson, D.O., Sangiovanni-Vincentelli, A.L., Sequin, C.H. Design aids for VLSI: the Berkeley perspective 1-46206
- Newton, J.H., Schindler, G.M. Numerical model of multiple-Raman-shifting excimer lasers to the blue-green in H<sub>2</sub> 1-28780
- Newton, J.M. *see* Schuchardt, J.M. 1-48110
- Newton, K. The reliability of wind power systems in the UK 1-49372
- Newton, M. *see* Reginato, L.L. 1-43061
- Newton, R.S. *see* Ball, R.G. 1-52383
- Newton, S.A. *see* Bergh, R.A. 1-46550
- Ney, H. Telephone-line speaker recognition using clipped autocorrelation analysis 1-37457
- Ney, H. A dynamic programming technique for nonlinear smoothing 1-37591
- Ney, H. An optimization algorithm for determining the endpoints of isolated utterances 1-41566
- Ney, H. *see* Kuhn, M.H. 1-41570
- Ney, P. A refinement of the coupling method in renewal theory 1-44873
- Neyer, A., Voges, E. Nonlinear electrooptic oscillator using an integrated interferometer 1-33086
- Neyman, A. Singular games have asymptotic values 1-44820
- Ng, E.W. Simplification of multiple Fourier series: an example of algorithmic approach 1-39474
- Ng, P., Glauret, W., Kirk, R. A timing verification system based on extracted MOS/VLSI circuit parameters 1-46329
- Ng, S.K. *see* Chan, W.L. 1-39498
- Ng, W., Hong, C.S., Manasevit, H., Dapkus, P.D. Low threshold 1.3-μm GaInAsP/InP buried heterostructure lasers by liquid phase epitaxy and metal-organic chemical vapor deposition 1-37168
- Ng, W., Hong, C.S., Manasevit, H., Dapkus, P.D. Low-threshold 1.3-μm GaInAsP/InP buried heterostructure lasers by liquid phase epitaxy and metalorganic chemical vapor deposition 1-51441
- Ng, W.Y. Generalized generation distribution factors for power system security evaluations 1-30615
- Ng Wai Y. *see* Wai Y. Ng
- Ng Wai-Hung *see* Wai-Hung Ng
- Ngai, K.L. Dispersive diffusion-controlled bimolecular recombinations in a Si:H 1-45945
- Ngan, K.N., Steele, R. Enhancement by simple statistical methods of PCM and DPCM images corrupted by transmission errors 1-29231
- Nghe Truong Cong *see* Truong Cong Nghe
- Ngo, P.D.T. Charge transport in an AC plasma panel 1-42686

- Ngo, P.D.T.** Electron transport self-shift display using an AC plasma panel 1-42687
- Ngo Kim Phung** Floating diesel station solves Philippines siting problem 1-31058
- Ngok Tyu Nguen** *see* Nguen Ngok Tyu
- Ngos Chu Nguen** *see* Nguen Ngos Chu
- Nguen Ngok Tyu**, Chernikova, N.V. New solution algorithm for integer programming problems 1-45006
- Nguen Ngos Chu** Method for finding a general expression for the integer-valued solutions of a system of linear inequalities 1-50218
- Nguyen, C.T.**, Malewski, R. A novel principle of distortionless measurement of current impulse 1-30225
- Nguyen, C.T.** *see* Malewski, R. 1-30827, 1-38838
- Nguyen, C.T.** *see* Srinivasan, K. 1-48956
- Nguyen, D.G.** *see* Murthy, D.N.P. 1-35683
- Nguyen, L.N.**, Shimbo, O. A method for transponder capacity and link performance optimization in preassigned multilevel SCPC systems 1-29046
- Nguyen, L.T.**, Spajic, R. Complementary forces voice coil motor 1-53492
- Nguyen, P.H.** *see* Michel, C. 1-46020
- Nguyen, T.** *see* Bishop, C.A. 1-38295
- Nguyen, T.D.** LSI chip aids implementation of IEEE 488 bus for printers 1-34189
- Nguyen, T.T.** *see* Wong, K.P. 1-53056
- Nguyen, V.Hien** *see* Hien Nguyen, V.
- Nguyen, V.T.** *see* Auvert, G. 1-32050
- Nguyen Cong Hoan** *see* Hoan Nguyen Cong
- Nguyen Duc-Hai** *see* Duc-Hai Nguyen
- Nguyen Hanh**, Alexe, V. Temperature variation transducers, of the resistive type 1-52454
- Nguyen Van Dong**, Tran Huu Danh, Leny, J.Y. Dark conductivity and photoconductivity of hydrogenated amorphous  $\text{Si}_{1-x}\text{Ge}_x$  alloys 1-27838
- Nguyen Van Son** *see* Van Son Nguyen
- Nguyen van Thoi** *see* Hoang Tuy 1-44964
- Nguyen Viet Kinh**, Pajewski, W. Generation of acousto-electrical waves using a source of transverse vibrations 1-48917
- Ni Ganjun**, He Xiaoming, Zhang Yuying PLTZ scattering mode electrooptic shutters 1-33088
- Nian-Chyi Huang**, Aggarwal, J.K. Time-varying digital signal processing 1-29202
- Nian-Chyi Huang**, Aggarwal, J.K. Frequency-domain considerations of LSV digital filters 1-36259
- Nian-Chyi Huang**, Aggarwal, J.K. Spectral modifications using linear shift-variant digital filters 1-37593
- Nian-Chyi Huang**, Aggarwal, J.K. Synthesis of recursive linear shift-variant digital filters 1-45550
- Nian-Chyi Huang** *see* Sung-Han Park 1-45546
- Niazi, A.Y.** Rotman lens fed multiple beam array 1-41419
- Niccolai, M.J.** *see* McCoy, J.M. 1-39311
- Nice, A.W.** *see* Thaller, L.H. 1-31489
- Nichitiu, A.** *see* Dyachkov, E.I. 1-28277
- Nichoga, V.A.** Parameter analysis of an induction-type magnetic detector, noise-matched with an amplifier 1-38182
- Nichoga, V.A.**, Dub, P.B. On noise matching of an induction magnetic receiver using a preamplifier with a transformer-type input circuit 1-28864
- Nicholas, D.** Small scale packaged chip plants 1-31059
- Nicholas, D.D.** *see* Krueger, G.P. 1-53126
- Nicholas, D.J.** *see* Ross, I.N. 1-51414
- Nicholas, K.H.**, Stemp, I.J., Brockman, H.E. Measurement and identification of distortion, alignment, and mask errors in IC processing 1-32857
- Nicholas, R.J.** *see* Fung, S. 1-28560
- Nicholls, A.D.** *see* Birch, M.J. 1-40831
- Nicholls, G.** *see* MacLachlan, J.A. 1-43071
- Nicholls, J.** *see* MacLachlan, J.A. 1-43071
- Nicholls, J.E.** *see* Barton, H.R., Jr. 1-42833
- Nichols, E.R.** Air Force applied research on fiber optic couplers 1-46560
- Nichols, K.G.** Problems of VLSI layout design 1-28072
- Nichols, K.G.** *see* Lanca, M.J.A. 1-45193
- Nichols, R.J.** *see* Wilcox, D.M. 1-41691
- Nichols, S.A.** A robust shipboard satellite communications antenna 1-29019
- Nichols, S.T.**, Barton, T.H., Gunthorpe, G. Load model of a dragline 1-53743
- Nichols, T.** *see* Welton, T.A. 1-43000
- Nicholson, B.** Triggerable logic monitor meets medium power test needs 1-30160
- Nicholson, B.** Resistors and capacitors: networks and ceramic markets surge 1-32415
- Nicholson, B.** Common V&I measurements cuts LCR bridge costs 1-42513
- Nicholson, B.** Standalone in-circuit emulator increases productivity 1-44672
- Nicholson, B.** Discrete semiconductors: trends in bipolars, MOSFETs, GTOs, GaAs 1-46136
- Nicholson, B.** Switching bench PSU has systems potential 1-52522
- Nicholson, B.**, Donnelly, B. DVMs and counter timers—trends and availability 1-42648
- Nicholson, W.A.P.** Electron beam current measurement in the electron microscope 1-42718
- Nicholson, W.E.** *see* Gregorian, R. 1-29500
- Nicholson, W.E., Jr.** *see* Gregorian, R. 1-52008
- Nicholson, W.Q.**, Davis, K.S. The binomial window 1-47246
- Nicia, A.J.A.** *see* van de Grijp, A. 1-42230
- Nickel, D.L.**, Braunstein, H.R. Distribution transformer loss evaluation techniques 1-49549
- Nickel, H.**, Kuphal, E. Deep level spectroscopy and Schottky barrier characteristics of LPE n- and p-InP 1-46100
- Nickel, L.** Advances in speech synthesis 1-41541
- Nickerson, S.B.**, Shkarofsky, I.P. A computer simulation of XPD degradation due to multipath propagation 1-28896
- Nickerson, S.B.** *see* Shkarofsky, I.P. 1-28895
- Nickols, W.R.**, Milborrow, D.J. Development of the Aldborough wind turbine 1-49390
- Niclas, K.B.** Compact multi-stage single-ended amplifiers for S-C band operation 1-45664
- Niclas, K.B.**, Wilser, W.T. A 2-12 GHz feedback amplifier on GaAs 1-45688
- Niclas, K.B.** *see* Maclean, D.J.H. 1-40234
- Nicol, D.A.** *see* Miller, T.J. 1-36946
- Nicol, D.R.** *see* Donaghy, F.A. 1-46528
- Nicol, T.H.** Multiple element vapor cooled current leads for the Fermilab Energy Saver correction elements 1-42835
- Nicol, T.H.** *see* Shafer, R.E. 1-43205
- Nicola, G.** New types of laminated materials for electrotechnics 1-21715
- Nicola, R.** De *see* De Nicola, R.
- Nicola, V.** Storing it [fundamentals of flip-flop circuitry] 1-45351
- Nicolae, V.** *see* Winter, G. 1-34895
- Nicolai, J.** *see* Perez Ferreira, E. 1-42853
- Nicolaidis, R.A.** *see* Fix, G.J. 1-35902
- Nicolas, A.** *see* Rojat, G. 1-49497
- Nicolas, J.** Microwave ferrites and nonlinear phenomena 1-28236
- Nicolas, J.** *see* Alemany, C. 1-49088
- Nicolet, M.A.** *see* Grimaldi, M.G. 1-50276
- Nicolet, M.-A.** *see* Cheung, N.W. 1-53630
- Nicolet, M.-A.** *see* Grimaldi, M.G. 1-39769
- Nicolet, M.-A.** *see* Maenpaa, M. 1-50895
- Nicollier, C.** First Spacelab mission 1-30492
- Nicosia, J.A.** Initializing digital circuits [automatic testing] 1-50491
- Nicosia, S.** *see* Marino, R. 1-31214
- Nicoud, G.** Permanent magnet materials for electrical engineering 1-46433
- Nicoud, J.F.** *see* Zyss, J. 1-37209
- Niculescu, C.** A class of nonlinear differential equations of first order and geometrical properties of integral curves 1-39496
- Niculescu, D.**, Cruceanu, E. Aluminum for cryoelectrotechnics 1-40845
- Niculescu, N.**, David, N., Corodel, C., Iordache, M. Contribution to the optimization of district heating networks dimensioning 1-49251
- Nideborn, K.** *see* Jansson, L. 1-30044
- Nie Cao-jiang** *see* Gao Pei-juan 1-33269
- Niebel, H.** *see* Schade, H.-J. 1-43864
- Nieberding, W.C.**, Powell, J.A. High temperature electronic requirements in aeropropulsion systems 1-38554
- Niebergall, F.** *see* Jonker, M. 1-43256
- Niebergall, H.** A switchgear interlocking scheme for distribution systems of all voltage levels 1-39091
- Niebuhr, F.W.** Ultrasonic metal welding 1-52973
- Niebuhr, W.D.** Protection of underground systems using metal-oxide surge arresters 1-49101
- Niechoda, Z.** *see* Wolinski, W. 1-50637
- Niederer, J.** *see* Cornacchia, M. 1-42938
- Niederer, J.A.** *see* Humphrey, J.W. 1-48316
- Niedzielski, W.** *see* Antonik, A. 1-37197
- Niehous, W.C.** *see* Wemple, S.H. 1-40588
- Nielen, N.S.** *see* van Nielen, N.S.
- Nielsen, B.R.** Improved resolving power of an ISOLDE type isotope separator 1-48274
- Nielsen, B.S.** *see* Cockerill, D. 1-43233
- Nielsen, P.** Tolstrup *see* Tolstrup Nielsen, P.
- Nielsen, R.L.**, Tredwell, T.J., Burkey, B.C., Lee, T.H., Kelly, T.M. Test structures for custom integrated circuits 1-40683
- Nielsen, S.O.** *see* Cockerill, D. 1-43233
- Niemann, H.** *see* Hein, H.-W. 1-33587
- Niemeier, H.** A new procedure for the transcription and storage of colour phototelegraphy 1-47355
- Niemeijer, J.** Containers for transportable automatic telephone exchanges 1-47498
- Niemela, A.**, Turtiainen, H. Power system availability performance vs. overall cost 1-43590
- Niemeyer, E.** Network-analysis program runs on small computer system 1-27203
- Niemi, S.** Chip-dh for Finland 1-31060
- Nienhaus, H.A.**, Palmer, D.E. Automatic fault diagnosis of a switching regulator 1-50428
- Nieniewski, N.** Some aspects of calculating the Fourier transform 1-50102
- Nientiedt, W.** *see* Herbst, D. 1-40099
- Nierse, H.** Training of personnel 1-35586
- Nieschmidt, E.B.** *see* Lawrence, R.S. 1-34497
- Niesten, J.G.**, van Oosterhoudt, P. A generalized electromagnet with a linear movement of the armature for educational purposes 1-49895
- Nieto-Vesperinas, M.** *see* Fiddy, M.A. 1-37298
- Nietzel, Ch.** *see* Althoff, K.H. 1-42878
- Nieuwendijk, J.A.M.** *see* Heijnemans, W.A.L. 1-50730
- Niewiarowska, M.** *see* Broniarek, M. 1-36366
- Nighor, R.J.** *see* Comber, M.G. 1-34916, 1-53061
- Nighan, W.L.** Basic kinetic processes in neon gas discharge displays 1-42681
- Nightingale, C.** Synthesis of a class of lossy ladder networks 1-45490
- Nightingale, C.** *see* Rollett, J.M. 1-45488
- Nightingale, D.** *see* Kirkham, H. 1-43559
- Nightingale, S.** Replacing ignitrons by thyristors for welding 1-35531
- Nightingale, S.J.** *see* Bates, R.N. 1-32402
- Nigmankhodzhaev, S.S.** *see* Bakhadyrkhanov, M.K. 1-37012
- Nigo, T.** *see* Honma, T. 1-31688
- Niguchi, H.** *see* Yamamoto, O. 1-34160
- Nii, Y.** *see* Makino, J. 1-34940
- Niikura, I.** *see* Hara, T. 1-40546
- Niikura, Y.** *see* Ueda, T. 1-31204
- Niimi, N.** *see* Okajima, M. 1-48723
- Niina, T.**, Kuroda, S., Yamaguchi, T., Yonei, H., Tomida, H., Yagi, K. A multi-color GaP LED flat panel display device 1-46657
- Niina, T.** *see* Yamaguchi, T. 1-37045
- Niinisto, L.** *see* Holsa, J. 1-41003
- Niuro, M.** *see* Amemiya, T. 1-29772
- Niitsuma, H.**, Sato, R. Ferroelectric recording using the pyroelectric reproduction technique 1-51061
- Niiyama, T.** *see* Noda, N. 1-38762
- Niizeki, N.** Recent progress in glass fibers for optical communication 1-51176
- Niizuma, S.** A problem decomposition useful for problem solving 1-31953
- Nijboer, J.A.** *see* Jorritsma, F.F. 1-34563
- Nijboer, J.A.** *see* Sluiter, E.R. 1-34564
- Nijhof, E.B.G.** *see* Burgum, F. 1-28008
- Nijman, W.**, Leswin, W.J., Thijs, P. The influence of interface grading on threshold current density of (near) visible DH(GaAl)As lasers 1-37130
- Nijs, J.** *see* Del Alamo, J. 1-49695
- Nikaido, S.** Diversification in broadcasting 1-52218
- Nikanorov, V.B.** *see* Delektorskii, B.A. 1-30251
- Niki, H.** *see* Ikeuchi, M. 1-37353
- Nikias, C.L.**, Suott, P.D. Improved spectral resolution by energy-weighted prediction method 1-37630
- Nikiforov, I.V.** Modification and analysis of the cumulative sum procedure 1-39523
- Nikiforov, V.V.** *see* Ignatov, A.N. 1-36303
- Nikiforov, Yu.A.** *see* Besschetnov, E.A. 1-27321
- Nikiforov, Yu.A.** *see* Karpov, I.V. 1-27322
- Nikiporets, Yu.G.** *see* Egorov, V.V. 1-43881
- Nikishchenko, E.A.** *see* Bushinskii, I.M. 1-28474
- Nikitenko, A.G.**, Chemisov, V.I. Optimisation of the geometry of DC current electromagnets 1-41197
- Nikitin, A.I.** Interaction of eddy-current transducers with layer construction shells of curved form and instruments for measuring the dimensions of these shells (review) 1-50356
- Nikitin, A.I.**, Nikitin, O.R., Singayevskiy, I.P., Soloukhina, V.N. The design of pulse generators 1-50462
- Nikitin, E.P.** *see* Andreev, A.Ts. 1-28479
- Nikitin, M.M.**, Medvedev, A.F., Moiseev, M.B. Synchrotron radiation from ends of straight-linear interval 1-48291
- Nikitin, N.I.** *see* Boyakhchyan, E.M. 1-30327
- Nikitin, O.R.** *see* Nikitin, A.I. 1-50462
- Nikitin, R.A.** *see* Gobunov, B.N. 1-50507
- Nikitin, V.V.** *see* Kupriyanova, N.G. 1-37149
- Nikitinskii, V.A.** *see* Lozovoi, B.S. 1-35541
- Nikjoo, H.** *see* Haque, A.K.M.M. 1-38393
- Nikko, K.** *see* Mochizuki, J. 1-33840
- Niklas, A.** *see* Janusz, C. 1-51426
- Nikolaenko, A.N.** He-Ne ring laser with a methane absorbing cell 1-37179
- Nikolaenko, A.N.** Noise characteristics of the methane resonance of an He-Ne/CH<sub>4</sub> laser 1-51490
- Nikolaenko, A.T.**, Guba, A.A., Nepochenko, A.I., Vit'ko, P.I. Contactless inspection of differences in wall thickness in ferromagnetic pipes 1-38291
- Nikolaev, A.A.** *see* Tsarenko, V.I. 1-44547
- Nikolaev, E.G.** Inductances of coaxial rings 1-35512
- Nikolaev, G.A.** Analysis of intermittent current regimes in three phase bridge converter with series capacitors 1-31326
- Nikolaev, L.V.** *see* Martynov, A.F. 1-32970
- Nikolaev, V.A.** *see* Aleksandrov, B.M. 1-43257
- Nikolaev, V.M.** *see* Kotov, O.I. 1-33254
- Nikolaichuk, O.I.** Control circuit for electroluminescence display unit 1-30202
- Nikolaichuk, O.L.** *see* Bakhmutskii, V.F. 1-52413
- Nikolaus, B.**, Zhang, D.Z., Toschek, P.E. Two-photon laser 1-46690

- Nikolic, P.M., Trbojevic, D., Perovic, B., Cvekic, V. Photovoltaic detector of SnS produced by Sb<sup>+</sup> ion implantation 1-34299
- Nikolic, P.M. *see* Trbojevic, D. 1-30117
- Nikoloff, I. Application of discrete circuit models for capacitances and inductances for computing of electric networks 1-45180
- Nikoloff, I. *see* Herdegen, H. 1-39161
- Nikoloff, J., Holfert, W., Kraut, G. The electric equipment of the new LEW multiple-unit train of series 270 for the Berlin electric city-railway (S-Bahn) 1-31555
- Nikolov, I.D. Optical systems for Fourier recording and data processing of data 1-41159
- Nikolov, N. Power characteristics of three-phase thyristor regulators with phase control 1-44217
- Nikolov, N.M. An investigation of power factors of three-phase thyristor regulators with phase control 1-35253
- Nikolova, L., Todorov, T. Holographic recording based on photoinduced birefringence in KCl:Na crystals 1-41152
- Nikolova, L. *see* Todorov, T. 1-33293
- Nikol'skii, M.S. *see* Mischenko, E.F. 1-31941
- Nikol'skii, V.V., Goldin, A.D. Simulation of abrupt irregularities of striplines by a collocational algorithm for eigen waves 1-28966
- Nikol'skii, M.S. On guaranteed estimates in differential games with vector criterion of quality and fixed time 1-35724
- Nikol'skii, V.V., Golovanov, O.A. Application of autonomous multimodal blocks to analysis of slotted, high-Q and coplanar lines 1-41279
- Nikol'skii, V.V., Lavrova, T.I. Solution of characteristic mode problems by the method of minimum autonomous blocks 1-33384
- Nikol'skii, V.V., Lavrova, T.I. The application of MAB method to the problems of diffraction on dielectric and gyromagnetic bars in waveguides (including the case of ferromagnetic resonance) 1-33385
- Nikonenkov, N.V., Khlyntsev, V.P., Potapov, L.P. Field desorption microscope 1-40371
- Nikonov, G.I. A method of compensating interference when receiving TV signals using space-diversity antennas 1-38016
- Niksch, D. *see* Graichen, G. 1-44313
- Nikulin, A.A. *see* Volkonskii, L.A. 1-31713
- Nikunen, M. On the weak compactness of a family of measures corresponding to continuous strong Markov processes 1-26995
- Nilolaev, A.V., Samoilenko, M.V. The effects of the substance of which a plasmotron nozzle is made on the formation of a double arc 1-49831
- Nilsen, J., Gluck, N.S., Yariv, A. Narrow-band optical filter through phase conjugation by non-degenerate four-wave mixing in sodium vapor 1-46793
- Nilsen, P.W. Threshold performance of GPS receiver for Space Shuttle applications 1-29697
- Nilsson, A. *see* Cockerill, D. 1-43233
- Nilsson, A. *see* Henning, S. 1-43244
- Nilsson, A.A. *see* Wushow Chou 1-33701
- Nilsson, B.A., Sorme, K. AXE 10—a review 1-42051
- Nilsson, L.O. Thyristor technology applied to electric locomotives, suburban trains and underground trains 1-35463
- Nilsson, N. Monodromy and asymptotic properties of certain multiple integrals 1-35797
- Nilsson, O., Saito, S., Yamamoto, Y. Oscillation frequency, linewidth reduction and frequency modulation characteristics for a diode laser with external grating feedback 1-51450
- Nilsson, P. *see* Ivarsson, A. 1-43315
- Nilsson, S. *see* Berkebile, L.E. 1-34962, 1-38834
- Ning, T.H. Silicon-gate MOSFET with self-aligned buried source and drain contacts 1-46306
- Ning, T.H., Isaac, R.D., Solomon, P.M., Duan-Lee-Tang, D., Yu, H.-N., Feth, G.C., Wiedmann, S.K. Self-aligned bipolar transistors for high-performance and low-power-delay VLSI [logic circuits] 1-51000
- Ninomiya, H. Possibility of lasing at the 1083-nm He line in a He-Hg mixture 1-33173
- Ninomiya, H. Radial dependence of the excitation process in a Hg ion laser 1-51353
- Ninomiya, I. *see* Yoshida, T. 1-44795
- Ninomiya, K. *see* Mori, S. 1-43697
- Ninomiya, N. Relativistic electron beam generation techniques 1-32553
- Ninomiya, S., Ikeda, H., Mitsunobu, S., Sakamoto, Y., Sato, H., Takasaki, M., Takeuchi, Y., Yamamoto, A., Endo, K. Effect of the nonlinear field on the slow extraction 1-48464
- Ninomiya, S., Matsubara, M., Wada, J.A. Automatic spike detection from human EEG recorded over [a prolonged period of time] 1-43364
- Ninomiya, T., Harada, K., Nakahara, M. On the maximum regulation range in boost and buck-boost converters 1-53545
- Ninomiya, T., Kakiyama, H., Harada, K. Cross noise in multi-output DC-to-DC converters 1-32170
- Ninomiya, T. *see* Harada, K. 1-44238, 1-53543
- Ninomiya, Y., Ohtsuka, Y. Motion compensated prediction for inter-frame coding systems 1-34093
- Nippierd, V.L., Watson-Lee, M.A.S. Ground communications equipment for large earth stations 1-47582
- Niro, F. *see* Camici, A. 1-51886
- Nisar, P.A. *see* Creighton, G.K. 1-49433
- Nisbet, J.S., Tyrnno, O.F., Zintchenko, G.N., Ross, W.J. Limits on the accuracy of correction of trans-ionospheric propagation errors by using ionospheric models based on solar and magnetic indices and local measurements 1-28917
- Nisbet, W.T., Helszajn, J. Microstrip synthesized form waveguide equivalent 1-46990
- Nisbet, W.T. *see* Helszajn, J. 1-36327
- Nisenoff, M. *see* Cukaskas, E.J. 1-46471
- Nishi, H., Okamura, S., Inada, T., Hashimoto, H. Ion implantation into a Cr-doped semi-insulating GaAs substrate 1-46056
- Nishi, I., Iwasa, K. Bidirectional 100-Mbit/sec optical repeater for optical fiber loop data link 1-37928
- Nishi, M., Ando, T., Yoshida, K., Koizumi, K., Shimamoto, S., Yasukochi, K. Roughened surface study on Japanese test coil for the large coil task 1-28388
- Nishi, M. *see* Shimamoto, S. 1-28369, 1-51118
- Nishi, S. *see* Ihara, S. 1-38103
- Nishi, T. Realizability condition for two-ports composed of three reactance two-ports and two resistors 1-45215
- Nishi, T., Iwasaki, K. Simultaneous realization of some system matrices by the network containing switches 1-45238
- Nishibe, T. *see* Kageyama, J. 1-39180
- Nishida, H., Okamura, K., Kinoshita, M., Shirakawa, T., Nakai, J. Photoluminescence spectra in ZnSiP<sub>2</sub> crystals 1-40435
- Nishida, H. *see* Takeda, H. 1-33761
- Nishida, I. *see* Kawasumi, I. 1-32052
- Nishida, M., Onodera, H. An anomalous increase of threshold voltages with shortening the channel lengths for deeply boron-implanted n-channel MOSFETs 1-50938
- Nishida, N. *see* Kishii, T. 1-43388
- Nishida, S. *see* Gomi, J. 1-41280
- Nishida, S. *see* Kusano, K. 1-40918, 1-40919
- Nishida, S. *see* Yamakoshi, Y. 1-53128
- Nishida, T. *see* Adachi, K. 1-31900
- Nishida, Y. *see* Iwamura, S. 1-40589
- Nishide, M. High-resolution color displays for industrial use 1-52389
- Nishidono, T. *see* Umeda, T. 1-31706
- Nishigaki, S. *see* Hanabusa, M. 1-27139
- Nishigaki, T. *see* Sasaoka, H. 1-47618
- Nishiguchi, O. *see* Uchida, Y. 1-30971
- Nishihara, A. Realization of low-sensitivity digital filters with a minimal number of multipliers 1-36265
- Nishihara, H. *see* Hayashi, S.A. 1-52651
- Nishihara, H. *see* Saitoh, K. 1-37994
- Nishihara, H. *see* Sorimachi, Y. 1-38576
- Nishihara, H. *see* Suhara, T. 1-37237
- Nishihara, M. *see* Fujita, S. 1-40468
- Nishihara, T. *see* Urabe, S. 1-36793
- Nishijima, H. *see* Kobori, Y. 1-34099
- Nishijima, S., Ueta, S., Okada, T. The effects of low temperature irradiation effect on the cryogenic fatigue resistance of epoxy resin used in superconducting magnets [in fusion reactors] 1-39829
- Nishijima, S. *see* Okada, T. 1-28398
- Nishijima, S. *see* Shiota, S. 1-28300
- Nishijima, Y. *see* Sugita, K. 1-38155
- Nishikata, S. *see* Kataoka, T. 1-44069
- Nishikawa, H. *see* Yokokura, K. 1-39095, 1-44272
- Nishikawa, K. *see* Urabe, S. 1-36793
- Nishikawa, M. *see* Ogawa, H. 1-32073
- Nishikawa, T., Udagawa, R., Hanamura, S., Nagai, S. On-line monitor 1-41992
- Nishikawa, T. *see* Wakino, K. 1-47571
- Nishimatsu, E., Fujiwara, K., Kawai, T., Ishimaru, T. Construction work of a 9.5 mm coaxial cable transmission line in the Republic of Iraq 1-37847
- Nishimiya, K. *see* Itoh, Z. 1-34030
- Nishimoto, C. *see* Bandy, S. 1-40579
- Nishimura, K. *see* Doi, N. 1-37749
- Nishimura, M. *see* Hatanaka, Y. 1-44225
- Nishimura, M. *see* Murakami, Y. 1-28372, 1-28376
- Nishimura, M. *see* Nakaoka, M. 1-32163, 1-44236
- Nishimura, M. *see* Ogai, M. 1-36944
- Nishimura, M. *see* Okoshi, T. 1-51145
- Nishimura, M. *see* Taniguchi, T. 1-51135
- Nishimura, N. Automatic ultrasonic-testing equipment for small welds 1-52972
- Nishimura, S. *see* Wu, C. 1-38792
- Nishimura, T., Hino, Y. Application of the mathematical programming methods to the optimal network problem 1-44988
- Nishimura, T. *see* Akasaka, Y. 1-46062
- Nishimura, T. *see* Akimaru, H. 1-47266, 1-51903
- Nishimura, T. *see* Kawamura, S. 1-43394
- Nishimura, T. *see* Kawaoka, T. 1-47387
- Nishimura, T. *see* Morino, K. 1-29434
- Nishimura, Y. *see* Kitamura, A. 1-37820
- Nishimuta, G. Geothermal power plant to begin producing electricity next year 1-31064
- Nishinaga, T. Interface morphology and inhomogeneity in impurity incorporation during multilayer LPE processes 1-50292
- Nishinaga, T. *see* Ishida, M. 1-45090
- Nishine, S. *see* Okuda, H. 1-37915
- Nishino, I. *see* Noda, N. 1-38762
- Nishino, T. *see* Ohtsuka, K. 1-45981
- Nishio, M. *see* Ogawa, H. 1-39775
- Nishio, Y., Inoue, E. Photo-induced memory effect of an organic photoconductor. II. Electrical properties 1-33108
- Nishioka, I. *see* Chiba, T. 1-46267
- Nishioka, T. *see* Yamaguchi, E. 1-32701
- Nishisaka, T. *see* Yonemura, M. 1-37222
- Nishitani, K. *see* Nagahama, K. 1-46086
- Nishitani, T., Maruta, R., Kawakami, Y., Goto, H. A single-chip digital signal processor for telecommunication applications 1-51813
- Nishitani, T. *see* Maruta, R. 1-29285
- Nishitani, Y. *see* Ishikawa, H. 1-41086
- Nishitsuji, A. *see* Yoshida, Y. 1-43456
- Nishiwaki, S. *see* Okawa, M. 1-49635
- Nishiwaki, T. *see* Namba, M. 1-43555
- Nishiwaki, Y. *see* Yamaguchi, T. 1-37236
- Nishiya, K., Takagi, H., Hasegawa, J., Koike, T. Dynamic state estimation including bad data suppression for electric power systems 1-38648
- Nishiyama, I. *see* Sasaoka, H. 1-47618
- Nishizawa, H. *see* Okuda, H. 1-37915
- Nishizawa, J., Okuno, Y. Stoichiometric crystallization method of III-V compounds for LEDs and injection lasers 1-50784
- Nishizawa, J., Okuno, Y., Fukase, M., Tadano, H. Lattice strain and misfit dislocation in GaAs-GaAlAsP heterojunction 1-40397
- Nishizawa, J., Oyama, Y., Okuno, Y. Observation of dislocations in GaAs epitaxial layers 1-40396
- Nishizawa, J., Saito, M. Mechanism of chemical vapor deposition of silicon 1-39772
- Nishizeki, T. Recent trends and future research problems of algorithms on graphs 1-50212
- Nishizeki, T. *see* Takamizawa, K. 1-27000
- Nissen, K.W., Rohl, P. Extinction of partial discharges in voids in polyethylene 1-51038
- Nissen, K.W. *see* Fischer, P. 1-51039
- Nissim, Y.I., Gibbons, J.F., Gold, R.B. Nonalloyed ohmic contacts to n-GaAs by CW laser-assisted diffusion from a SnO<sub>2</sub>/SiO<sub>2</sub> source 1-32700
- Nissim, Y.I., Gibbons, J.F., Magee, T.J., Ormond, R. CW laser assisted diffusion and activation of tin in GaAs from a SnO<sub>2</sub>/SiO<sub>2</sub> source 1-27921
- Nistor, L.C., Nistor, S.V. Ionic compounds with colour centers used as active media in tunable lasers 1-51427
- Nistor, S.V. *see* Nistor, L.C. 1-51427
- Nisulescu, M. *see* Calin, T. 1-47882
- Nitoiu, A. *see* Apostol, D. 1-51544
- Nitsche, E. Fields and forces in end-windings of synchronous machines at sudden short-circuits 1-53410
- Nitschke, J., Piller, W. Thoughts on the use of regenerative energy sources and data on their potential share in the primary energy requirement of the Federal Republic 1-43816
- Nitta, M. *see* Kanefusa, S. 1-30085
- Nitta, M. *see* Kurosawa, I. 1-40865
- Nitta, S. *see* Aoki, T. 1-44172
- Nitta, S. *see* Hoshimiya, N. 1-43293
- Nitta, T., Kuwahara, H. Time dependence of breakdown voltage and endurance testing of compressed gas insulation 1-36715
- Nitta, T., Kuwahara, H. Time dependence of breakdown voltage and endurance testing of compressed gas insulation 1-40737
- Nitta, T. *see* Matsumura, S. 1-39094, 1-44281
- Nitta, T. *see* Nakanishi, K. 1-31359
- Nitta, T. *see* Ogirima, M. 1-32877
- Nitta, Y., Kawasaki, Y. Evaluation of a new material for semiconducting layer in XLPE power cables 1-30750
- Nitta, Y. *see* Morita, T. 1-35297
- Nitu, V.I., Bordeianu, N. Methods and principles used in the planning of the electric power system within the actual conditions of the power budget 1-30657
- Nitz, H.M., Ganschow, O., Kaiser, U., Wiedmann, L., Benninghoven, A. Quasimultaneous SIMS, AES, XPS, and TDS study of preferential sputtering, diffusion, and mercury evaporation in Cd,Hg<sub>1-x</sub>Te 1-32644
- Niu Defang, Zhou Lifang, Hu Jingshan, Zhao Peiwen. The research of the low differential-pressure silicon integrated pressure transducer 1-38172
- Niu Shun-Chen *see* Shun-Chen Niu
- Niv, Y. *see* Temmer, G.M. 1-38354
- Niwa, K. *see* Rowbotham, T.R. 1-47631
- Nix, E.L., Holt, L., McGrath, J.C., Ward, I.M. Highly drawn poly (vinylidene fluoride) with enhanced mechanical and electrical properties 1-51045
- Nix, L.A., Jr. Spot growth reduction in bright wide-deflection-angle CRTs 1-34214

- Nixdorff, K. *see* Fender, G. 1-47748
- Nixon, J.M. *see* Aron, J. 1-48302
- Niyagi, H., Taniguchi, T. Lagrange-charpit method and stability problem of power systems 1-34752
- Nizeki, N. Fabrication of low-loss and long-length optical fibres by VAD 1-36948
- Nizhegorodov, S.P. *see* Gershberg, A.E. 1-29899
- Nizhenskii, A.D., Masyurenko, Yu.A., Ornatkii, I.A., Skripnik, I.Yu., Syrova, I.V. High-precision device for automatic selective-link resonance-frequency control 1-45576
- Niznik, C.A. Cost analysis for local image/data/voice packet communication networks 1-29455
- Nmadu Rumula Sode-Shinni *see* Sode-Shinni Nmadu Rumula
- Noack, W. *see* Brodhage, H. 1-42160
- Noakes, R.W., Douglas, J.N. The 1980 Summer Olympic Games—Epilogue 1-29840
- Nobili, D. *see* Finetti, M. 1-45904
- Nobis, R., Saniter, J., Schaffner, H. Switching systems for integrated communication 1-29571
- Noblanc, J.-P. *see* Abdalla, M.I. 1-41022, 1-41023
- Noble, L.D., Good, J.L. Verifying proper installation of concrete anchors in nuclear power plants 1-53192
- Noble, P.G. Survey of rectifier diodes 1-27985
- Noble, P.G. Study of thyristor and triac characteristics 1-50921
- Nobriga, R.M. *de see* Nobriga, R.M.
- Nocker, R. A few problems arising from the introduction of digital PBX systems 1-29535
- Noda, A., Garren, A., Hori, T., Katayama, T., Hattori, T., Hirao, Y., Mizobuchi, A., Mutou, M., Takanaka, M., Sasaki, H. Characteristics of magnetic focusing and chromaticity correction system for TARN 1-43038
- Noda, A., Miyake, T., Kuwano, N. Multimodal Delphi method 1-31833
- Noda, A. *see* Tokuda, N. 1-48436
- Noda, H. *see* Suzumura, N. 1-32374
- Noda, J., Fukuma, M., Mikami, O. Design calculations for directional couplers fabricated by Ti-diffused LiNbO<sub>3</sub> waveguides 1-46486
- Noda, J. *see* Yamada, S. 1-27562, 1-51224
- Noda, M. *see* Nabeyama, H. 1-34083
- Noda, N., Nishino, I., Furukawa, K., Niiyama, T., Gomi, T., Komori, H. Development of 500 kV class oil-filled cable and its practical use 1-38762
- Noda, N. *see* Marquez, R.D. 1-34886, 1-43700
- Noda, T., Ogawa, Y., Kurobe, T. Some consideration on calculation of the localized state distribution in GD a-Si 1-40430
- Noda, Y., Sakai, K., Matsushima, Y. High temperature CW operation of 1.5  $\mu$ m InGaAsP/InP buffer-layer loaded planarconvex waveguide lasers 1-28712
- Noda, Y., Sakai, K., Matsushima, Y., Akiba, S. 10000-hour continuous CW operation of InGaAsP/InP heterostructure lasers with a buffer layer at room temperature 1-41096
- Noda, Y. *see* Matsushima, Y. 1-46640
- Noda, Y. *see* Sakai, K. 1-41093
- Nodulman, L. *see* Atac, M. 1-34442
- Noe, J.W. *see* Ben-Zvi, I. 1-48428
- Noe, J.W. *see* Brennan, J.M. 1-42947
- Noe, N.H. Impact of forecast uncertainty on feeder-cable sizing 1-44639
- Noe, P. *see* Rhyne, T. 1-29822
- Noel, F.E. Satellite communications system with low-cost earth stations 1-37874
- Noeva, M.R. *see* Murav'ev, V.V. 1-36006
- Nogami, M., Komeno, J., Shibatomi, A., Ohkawa, S. Growth of GaAs VPE layers with high thickness uniformity 1-27127
- Nogami, M. *see* Komeno, J. 1-46053, 1-50293
- Noges, E., Savol, A.M., Witsmeier, A.J., Moerdyke, D. Application of an iterative feature matching algorithm to terminal homing 1-48814
- Nogi, S., Fukui, K. A method of reducing reflection for a soliton at the termination of a nonlinear LC line 1-51639
- Noguchi, K. *see* Yahagi, T. 1-32356
- Noguchi, S., Sakata, H. Electrical properties of Sn-doped In<sub>2</sub>O<sub>3</sub> prepared by reactive evaporation 1-45939
- Noguchi, S. *see* Bauer, W. 1-43110
- Noguchi, S. *see* Shiratori, N. 1-47397
- Noguchi, S. *see* Suzuki, K. 1-45762
- Noguchi, S. *see* Yagashi, J. 1-51904
- Noguchi, T., Morita, S., Imai, S., Takeuti, Y., Mikoshiba, N. Frequency dependence of the AC Josephson effect in Nb point contacts in the submillimeter-wave region 1-32999
- Noguchi, T. *see* Ishii, I. 1-36702
- Noguchi, Y. *see* Endo, Y. 1-52382
- Noguchi, Y. *see* Nakano, Y. 1-50286, 1-51453
- Noguchi, Y. *see* Suzuki, Y. 1-28720
- Noguchi, Y. *see* Tokunaga, M. 1-28713
- Nohara, A. Safety standards of power switches 1-40273
- Nohel, J. *see* Selley, J. 1-38886
- Nohse, D. Digital control circuitry in ST 6000 1-42392
- Noirel, Y., Dublet, G. DIDON: digital broadcast-ing system 1-33777
- Nojima, K. *see* Yoshino, K. 1-51258
- Nojima, M. *see* Hosomi, Y. 1-41034
- Nojo, S. Evaluation of reliability equivalence considering failure scale [telephone networks] 1-33752
- Nola, F. Power Factor Controller—an energy saver 1-49006
- Nola, F.J. Improved AC motor power-factor controller 1-49643
- Nolan, E.J., Humphrey, A.E. Potential for biological conversion of biomass to liquid fuels 1-31474
- Nolan, G.E. *see* Gibson, P.N. 1-43262
- Nolan, M. *see* Fugitt, J. 1-48356
- Nolde, W., Jansen, W., Kanow, W. An AM-stereo and FM-stereo receiver concept for car radio and HiFi 1-42397
- Noldeke, G. *see* Althoff, K.H. 1-42878
- Nolden, F. *see* Althoff, K.H. 1-42878
- Nolf, M. *see* Vuillemoz, B. 1-51046
- Noll, H. *see* Renfordt, R.E. 1-48589
- Nolle, E. Conducting plate between salient poles under travelling excitation 1-37245
- Nolle, E. *see* Hannakam, L. 1-32405
- Nolle, F.M., Ryschon, K.L., Zencka, A.E. Power spectrum analysis of ventricular fibrillation and imitative artifacts 1-48727
- Nolot, V. *see* Grandguillot, M. 1-40687
- Nolscher, C., Muller, P., Adrian, H., Lehmann, M., Saemann-Ischenko, G. Hydrogenated and irradiated A15 Nb<sub>3</sub>Sn layers—preparation, Rutherford scattering analysis, resistivity and superconductivity 1-40847
- Nolte, E. *see* Daniel, H. 1-42899
- Nolte, L.W. *see* Sharpe, S.M. 1-37634
- Nolting, E. Experiences in the operation of diesel generating stations and unit system power stations 1-43964
- Noma, H., Shioda, T., Yoshizawa, Y. Circular hole iron septum magnet 1-43140
- Nombela, L.F. Automatic traffic data acquisition network 1-37807
- Nomoto, O., Ouchi, A. Diffraction of light by ultrasound: behaviour of the first order and the higher order Bragg maxima 1-46949
- Nomura, H. The effect on superconducting critical currents in different stabilizing metals 1-34892
- Nomura, J. *see* Watanabe, K. 1-52060
- Nomura, M., Senda, S., Tsukamoto, K. Performance evaluation of HDLC procedure over half duplex transmission line 1-51910
- Nomura, M. *see* Uchino, H. 1-53748
- Nomura, N., Kaminaka, N., Kanai, K., Hirota, E. Thin-film magnetic heads for digital audio tape recorder 1-32975
- Nomura, O. An investigation for minimum dimensions of oil-fired MHD generator duct 1-35402
- Nomura, S., Kaneta, K., Kuwata, J., Tsuchiya, Y., Uchino, K. Dielectric and electromechanical properties of PbTiO<sub>3</sub>-La(Zn<sub>2/3</sub>Nb<sub>1/3</sub>)O<sub>3</sub> solid solution ceramics 1-28165
- Nomura, S. *see* Gomi, M. 1-40964
- Nomura, S. *see* Uchino, K. 1-42603
- Nomura, T., Furukawa, S., Moriizumi, T., Yasuda, T. Method of electromagnetically feeding and matching UHF band SAW device using microstrip line 1-51071
- Nomura, T., Miki, N., Nagai, N. A digital vocal tract simulator with the boundary conditions at lips and glottis 1-43276
- Nomura, T. *see* Horikawa, S. 1-29721
- Nomura, Y., Nakai, T. Public telecommunication—trunk transmission systems and subscriber loops [optical links] 1-37897
- Nomura, Y. *see* Yamada, M. 1-39026, 1-44181
- Nonagaki, Y. *see* Masuda, S. 1-37275
- Nonaka, S. Fiber-optic components 1-37906
- Nonaka, S., Fujii, N., Shinoda, N. Experimental study on effect of hollow aluminium reaction rail for high-speed LIM 1-39167
- Nonaka, S., Konyama, K. Feasibility of hollow aluminium reaction rail for high-speed linear induction motors 1-39168
- Nonaka, S., Matsuzaki, M. Analysis of performances of various primary windings of high-speed linear induction motors 1-35195
- Nonaka, S., Tsuji, M. Steady-state and transient characteristics of an induction motor driven by current-type inverter 1-38978
- Nonaka, S. *see* Naruse, M. 1-37911
- Nonaka, Y. *see* Shidara, K. 1-32571
- Nondahl, T.A. Equivalent circuit model for a shaded-pole induction motor. II. One shading coil with a stepped air gap 1-35176
- Nondahl, T.A. Equivalent circuit model for a shaded-pole induction motor. I. One shading coil and a uniform air gap 1-44091
- Nonogaki, S. *see* Shiraiishi, H. 1-32744
- Noodelman, S. Rare-earth cobalt magnets and their use in DC machines 1-49483
- Noomen, J.G., Geuzebroek, N., Schiebaan, C. A modular cooling system for the MEA high duty factor electron linac 1-48285
- Noomen, J.G., Herling, J., Heutenik, B. A high resolution absolute magnetic field measurement system 1-48206
- Noonan, L. *see* Rubinger, B. 1-31805
- Noor, A.K. Recent advances in reduction methods for nonlinear problems 1-39635
- Noor, A.K., Andersen, C.M. Computerized symbolic manipulation in nonlinear finite element analysis 1-39716
- Noordanus, J., Everaarts, K. End-to-end supervision of digital radio relay sections 1-29607
- Noorlag, D.J.W., Wolsheimer, E.A., Zieren, V. Microelectronics and Delft Polytechnic 1-31773
- Noorlag, D.J.W. *see* Middelhoeck, S. 1-42595
- Noort, N. The telephone network as a planning problem 1-33744
- Noras, J.M. Theory of trap filling in Schottky diodes 1-40543
- Norbeck, E. Neutrons from <sup>11</sup>B+<sup>11</sup>B compared with other sources of neutrons from a <sup>11</sup>B+p burn 1-48564
- Norberg, J.C. *see* Anthony, P.J. 1-32752
- Norberg, J.C. *see* Evans, C.A., Jr. 1-27823
- Nordberg Lennart *see* Lennart Nordberg
- Nordby, H.J. Measurements on optical components 1-34229
- Norde, H., de Sousa Pires, J., d'Hearle, F., Pesavento, F., Petersson, S., Tove, P.A. The Schottky-barrier height of the contacts between some rare-earth metals (and silicides) and p-type silicon 1-40449
- Norde, H. *see* Boberg, G. 1-50826
- Nordholt, E.H. Classes and properties of multiloop negative-feedback amplifiers 1-27305
- Nordholt, E.H. Applications of negative feedback amplifiers 1-32212
- Nordholt, E.H. Wideband active antennae for 5 kHz to 30 MHz 1-51702
- Nordholt, E.H., Straver, W.G.M. A single-chip preamplifier for moving-coil phono cartridges 1-42495
- Nordman, J.E. *see* Radparvar, M. 1-28332
- Nordman, J.E. *see* Wiley, J.D. 1-36491
- Nordquist, P. *see* Golin, J. 1-29709
- Nordrik, E. *see* Westgaard, E. 1-49339
- Norman, D.E. The installation of the Waitaki EPB Cyclocontrol equipment 1-43570
- Norman, P., Howard, P.J., Pitcher, P.J. An 8 Mbit/s optical fibre system 1-42258
- Norman, R.H. Use of the stress relaxation processability tester 1-27193
- Norman, S.R. *see* Osterfield, J.R. 1-33984
- Normand, G. C-MOS phase locked loop with sample phase comparator 1-27366
- Normand, G. A wide-band phase-locked loop 1-36162
- Normandin, R. *see* Mendelsohn, A.J. 1-33174
- Normandin, R. *see* Vella, P.J. 1-37207
- Normoyle, J.T. The decentralised management project in the South East Queensland Electricity Board—a study in human reaction to major organisation change 1-43584
- Norrbj, J. *see* Carlson, P.J. 1-43245
- Norren, D. *van see* van Norren, D.
- Norris, C.B., Westmark, C.I., Entine, G., Lis, S.A., Serreze, H.B. pn junction formation in CdTe by ion implantation and pulsed ruby laser annealing 1-45985
- Norris, G.J. A comparison of three RAF algorithms 1-36269
- Norris, P. Looking to the heavens for communications 1-29680
- Norsett, S.P. *see* Brunner, H. 1-32042
- Norskog, A.C., Warner, R.M., Jr. A horizontal monolithic series-array solar battery employing thermomigration 1-49684
- North, G.G. Measurement of asymmetric flux in the gap of an induction accelerator module 1-52614
- North, J.C. *see* Topping, J.D. 1-47691
- North, N.B. Linear constraints aid selection of battery charge control parameters 1-31428
- Northam, D.B., Guerra, M.A., Mack, M.E., Itzkan, I., Deradourian, C. High repetition rate frequency-doubled Nd:YAG laser for airborne bathymetry 1-33206
- Northcliffe, L.C. *see* Hollas, C.L. 1-43199
- Northcliffe, L.C. *see* Martin, S.D., Jr. 1-48599
- Northover, E.W. *see* Neal, S.B.H.C. 1-53257
- Northover, G. *see* Katronge, G.A. 1-39404, 1-44713
- Norton, G.A., Sundquist, M.L., Daniel, R.E., Rathmell, R.D. Progress on the 20UR pelletron at the Japan Atomic Energy Research Institute 1-42847
- Norton, J.H., Mayer, D.J. Wind electric systems for telecommunications 1-42168
- Norton, R.H. *see* George, P.K. 1-40832
- Norton, R.J.G. *see* Bryanston-Cross, P.J. 1-34403
- Norton, S.D. Use of education and experience to select quality assurance trainees for DoD 1-49902
- Norum, B. *see* Conetti, S. 1-42877
- Norum, B.E. *see* York, R.C. 1-42794
- Nosach, M.I. *see* Sementsov, A.N. 1-35984
- Nosach, O.Yu. *see* Zuev, V.S. 1-51370
- Nosich, A.I. *see* Veliev, E.I. 1-51652
- Noskin, A.B. *see* Vaganov, V.I. 1-30089, 1-48064
- Noskov, D.A. *see* Ilyushkin, V.A. 1-38453
- Noskov, V.P. *see* Topol'skiy, N.G. 1-36048
- Noskova, T.N. Photographic sound track noise and granularity of photographic layer 1-34168
- Noskova, T.N. *see* Ershov, K.G. 1-42487

- Noskowski, P.D. *see* De Noskowski, P.
- Nosov, V.B., Dronova, G.N. Influence of the absorption of zinc sulfide optical ceramic on its resistance to the action of continuous CO<sub>2</sub> laser radiation 1-37203
- Nosov, V.V. *see* Limonova, M.E. 1-37854
- Nosovskii, V.E. DTL-62 modules and their maintenance 1-53733
- Nosowicz, E.J., Radcliffe, J.K. Power efficient cascode logic 1-27419
- Nosrati, H. *see* Rohrer, R.A. 1-27217
- Nossek, J.A. *see* Fettweis, A. 1-45557
- Nossek, J.A. *see* Ghaderi, M.B. 1-50397
- Nosu, K. *see* Watanabe, R. 1-33982
- Notea, A., Fishman, A., Wajnberg, S., Segal, Y. Efficiency of radiographic film and film/screen systems 1-45139
- Notelet, F., Lesenne, J., Guegan, Y. Transients of the currents and of the torque of the 3 phase asynchronous motor 1-53450
- Notelet, F. *see* Lesenne, J. 1-53461
- Noteware, R., Shariff, R.S., Ventimiglia, B. Tool for loading modules onto circuit card 1-26910
- Noth, R. *see* Marks, R. 1-44703
- Nothnick, C.E., Billing, J.F., Daniel, M.R., Adams, T.D. Magnetostatic wave compressive receiver 1-46439
- Noto, R., Borgini, F., Suskind, B. Automated universal array 1-50510
- Noto, R. *see* Feller, A. 1-51025
- Noufi, R., Warren, L. Electrochemical solar cells: principles and recent results 1-35379
- Noujaim, S.E. *see* Chong-Cheng Fu 1-30579
- Noumi, Y. *see* Shimizu, T. 1-50802
- Novel, R. Variable speed and energy economies 1-53588
- Novak, I. *see* Redl, R. 1-50427
- Novak, L.M. Optimal target designation techniques 1-37543
- Novak, R. Attenuation measurements on glass fiber light guide cables 1-33035
- Novak, S. Computers in the year 2000 1-33002
- Novarese, R. *see* Marcogliese, R. 1-37757
- Novaro, M. *see* Sauter, C. 1-33260
- Novash, V.I., Franko, F. Surges of magnetising currents in power transformers in generator-transformer units using self-synchronisation 1-43767
- Nove, M.C. *see* Kunstreich, S. 1-53811
- Novelli, A. A proposal for a conventional reference terminology for reactivity specifications of nuclear power reactors and for a control rod calculation method 1-38866
- Novgorodov, M.Z., Chokoev, E.S. Hybrid CO<sub>2</sub> laser with frequency-degenerate modes 1-37087
- Novgorodov, M.Z., Sobolev, N.N., Shumskaya, L.I. Interferometric investigations of the plasma density in a pulsed electric-discharge CO<sub>2</sub> laser 1-37079
- Novgorodtsev, A.B. *see* Modulina, A.N. 1-28523
- Novichkov, D.N. *see* Glebov, V.V. 1-33316
- Novielli, G. *see* Dabbene, A. 1-42102
- Noviello, E.I. *see* Cannamo, F. 1-30189
- Novik, S.I., Bjornstad, T., Alstad, J., Broden, K., Skarnemark, G. An automatic device for sampling of thin assays of short-lived radionuclides in a liquid flow 1-48591
- Novik, V.K., Gavrilova, N.D. The state-of-the-art in pyroelectricity 1-51074
- Novikov, A.G. *see* Gordon, S.A. 1-28480
- Novikov, A.I. *see* Voitovetskii, V.K. 1-30374
- Novikov, A.V. The calculation of net output in a power plant 1-38840
- Novikov, N.G. *see* Pryanishnikov, V.A. 1-39945
- Novikov, R.I. *see* Khokhlov, Yu.I. 1-39225
- Novikov, S.I. *see* Imenitov, A.B. 1-28278
- Novikov, V.B., Latyshev, Yu.A., Sel'skii, V.A. Measurement of parameters of low-frequency FM oscillations 1-52533
- Novikov, V.I. *see* Doronin, V.G. 1-33180
- Novikov, V.N. *see* Al'perovich, V.L. 1-46627
- Novikov, V.V. *see* Bichutskaya, T.I. 1-51643
- Novikov, Yu.A. *see* Kuznetsov, Yu.V. 1-30287
- Novikov, Yu.D., Gent, Z. The characteristics of induction motors under steady-state conditions 1-38982
- Novikov, Ya.M. *see* Kuperberg, M.Ya. 1-35533
- Novikova, E.M., Ershova, S.A., Edinak, E.V. Thermodynamic analysis of the preparation of epitaxial layers of ZnSe by chemical transport reactions 1-32059
- Novitskii, A.P. Study of dynamic errors of nanosecond conveyor analog-digital transducer 1-27575
- Novoselov, O.N., Fomin, A.F. Noise-immunity of digital transmission systems with rejection of anomalous errors 1-51880
- Novotny, D.W., King, T.L. Equivalent circuit representation of current inverter driven synchronous machines 1-44068
- Novotny, J., Klumpar, J., Jirousek, P., Vavra, S. Determination of high-energy electron dose by extrapolation ionization chamber 1-43208
- Novotny, J. *see* Moravec, F. 1-39742
- Novotny, V. Metalclad EHV switchgear with SF<sub>6</sub> insulation from the viewpoint of the manufacturer of instrument transformers 1-35211
- Novotny, V. Development of switchgear for medium-voltage networks 1-35315
- Novotny, V. Contribution to computing the risk of outages in EHV transformer substations 1-44139
- Novozhilov, O.P. *see* Bogachenkov, A.N. 1-45258
- Novskii, V.A. *see* Kuznetsov, V.G. 1-30733
- Nowacki, H. Safe event at fast pulses—connector systems for data transmission 1-27707
- Nowacki, H. Connector system considerations for data processing 1-50657
- Nowacki, Z. On the analysis of three linear models of the induction motor 1-31218
- Nowacki, Z. Influence of choice of steady state operating point on eigenvalues of a linear model of the induction motor 1-31219
- Nowaczewski, E. *see* Jedrusik, M. 1-37277
- Nowak, A.V., Ham, D.O. Self-focusing of 10-μm laser pulses in SF<sub>6</sub> 1-33278
- Nowak, A.V. *see* Goldstein, J.C. 1-41138
- Nowak, A.V. *see* Haglund, R.F., Jr. 1-51518
- Nowak, G.B. Studies of the photoconductivity of gadolinium oxide films 1-33120
- Nowak, J., Davidson, V., Genova, L., Johnson, R., Reagan, D. A pulse to pulse klystron diagnosis system 1-45856
- Nowak, J. *see* Lee, M.J. 1-42908
- Nowak, K. VDE 0100 for the eighties. [electrical installation] 1-26862
- Nowak, K. Working-place electrical installations and explosion hazards due to aluminium dust 1-26873
- Nowak, K. The recognition of foreign test marks in the Federal Republic of Germany 1-31858
- Nowak, K. Installation practice in accordance with EleX V. I 1-35599
- Nowak, K. Analysis of a fatal electrical accident during measurements of a rotary field 1-49955
- Nowak, M. *see* Konczak, S. 1-46646
- Nowak, S. Materials and technology of thick-film hybrid circuits 1-40328
- Nowak, V.J. *see* Trenne, M.U. 1-31625
- Nowakowski, A., Rojek, K. A method for automatic, specific conductivity measurements of impregnating electrolytes 1-48202
- Nowakowski, D.W. *see* Wilson, T.L. 1-43369
- Nowakowski, Z. Parameters optimization of a Gunn generator with frequency modulation 1-27333
- Nowicki, A., Reid, J.M. An infinite gate pulse Doppler 1-30427
- Nowicki, M. *see* Wolinski, W. 1-50637
- Nowicki, R.S., Moulder, J.F. Comparison of the properties of molybdenum silicide films deposited by DC magnetron and RF diode co-deposition 1-32079
- Nowinska, J. Statistical analysis of indices of electrical power consumption in city households and in new housing estates in towns 1-44391
- Nowomiejski, Z. Generalized theory of electric power 1-30679
- Noworolski, Z. Parallel UPS control and configuration 1-44233
- Nowotny, H.G. *see* Cassidy, M. 1-31780
- Noyce, R.N., Hoff, M.E., Jr. A history of microprocessor development at Intel 1-36168
- Noyes, J. Sources of information on consultancy services and funding available 1-39376
- Nozaki, T., Okabayashi, H., Higuchi, K. Ion implantation masking ability degradation in high temperature annealed Mo film [MOSFET] 1-46159
- Nozaki, T. *see* Ito, T. 1-27867
- Nozawa, D. Present condition of track maintenance 1-44657
- Nozawa, H. *see* Homma, Y. 1-32873
- Nozhkina, I.N. *see* Zaitin, V.M. 1-38437
- Nozica, Z., Peruko, U., Vukovic, D. MIL-HDBK-217B based computer program estimates reliability 1-35668
- Nozuru, M. *see* Ikebe, H. 1-50683
- Ntouyas, S.K. *see* Sficas, Y.G. 1-35910
- Nucho, R.N. Transient behavior of the Kendall birth-death process—applications to capacity expansion for special services 1-41839
- Nudelman, S. *see* Roehrig, H. 1-34589
- Nuechterlein, P. Powerful efficiency [rectifiers] 1-47462
- Nuez, J.P. *see* Grandguillot, M. 1-40687
- Nugent, F. Brisbane suburban rail system—overhead fixed equipment 1-35468
- Nugues, P. *see* Aubert, J. 1-38409
- Nuhrmann, D. Components in theory and practice. XXXV [Photoelectric devices] 1-46637
- Numajiri, F. *see* Sakamoto, Y. 1-34885, 1-43696
- Numao, T. *see* Hargrove, C.K. 1-43237
- Nummelin, E. Regeneration in tandem queues 1-26984
- Nundy, U. *see* Chatterjee, U.K. 1-38255
- Nunen, J. *van see* van Nunen, J.
- Nunes, R.W., Johnson, J.F., Shaw, M.T. Examination of field-aged insulation for changes in molecular structure 1-30756
- Nunnally, C.E., Rothrauff, C.A. EPROM development through emulation 1-40069
- Nunnally, W.C. Accelerator power concepts using isolated transmission lines 1-48288
- Nunnari, G. *see* Di Cataldo, G. 1-27529
- Nunoshita, M. *see* Kondo, S. 1-52109
- Nunoshita, M. *see* Kyuma, K. 1-51540
- Nunoshita, M. *see* Matsui, T. 1-28448
- Nunotani, Y., Sumita, S. Traffic study on multiprocessor system for a digital switching system 1-47270
- Nunotani, Y., Sumita, S. Traffic study on multiprocessor system for a digital switching system 1-52027
- Nunziato, A. *see* Everitt, F.C. 1-33885
- Nuriev, I.Kh. *see* Semikolennyykh, M.N. 1-53832
- Nuriev, I.R. *see* Semiletov, S.A. 1-32070
- Nurligareev, D.Kh. *see* Dorosh, I.R. 1-46811
- Nusinovich, G.S. Interaction of modes in free-electron lasers 1-33171
- Nuspl, P.P., Lyons, R.G., Bedford, R. SLIM TDMA project—development of versatile 3 Mbps TDMA systems 1-47638
- Nussbaumer, H.J. Digital signal processing applications of polynomial transforms 1-33673
- Nussbaumer, H.J. Inverse polynomial transform algorithms for DFTs and convolutions 1-37619
- Nussbaumer, H.J. Fast Fourier transform and convolution algorithms 1-39730
- Nussbaumer, J.C. A new low-resistance tungsten microelectrode 1-34258
- Nusupov, K.Kh. *see* Mukashev, B.N. 1-32624
- Nuth, V.R. *see* Randall, J.P. 1-32565
- Nutt, G.W. 19<sup>th</sup> equipment practice 1-26940
- Nutt, R. *see* Ackermann, N.J., Jr. 1-35011
- Nuttall, A.H., Carter, G.C. An approximation to the cumulative distribution function of the magnitude-squared coherence estimate 1-47199
- Nuttall, G.P., Bolar, D.W. Fiber optics a new solution to old problems in the power industry 1-52121
- Nuttall, J. *see* De Baudus, B. 1-42049
- Nuttall, K.I. *see* Dow, D.M. 1-27993, 1-40552
- Nuttall, L.J. Development status of the General Electric solid polymer electrolyte water electrolysis technology 1-31440
- Nutter, J.L. *see* Adam, C.P. 1-31574, 1-35474
- Nutter, S.W., Schmidt, R.R., Simons, R.E. Center-post heat sink 1-31889
- Nuzillat, G., Bert, G., Damay-Kavala, F., Arnodo, C. High-speed low-power logic ICs using quasi-normally-off GaAs MESFETs 1-40036
- Nwodo, T.C. *see* Ejebe, G.C. 1-30631
- Nyap, F.M. Iron powder compacts in small electric motors 1-39014
- Nye, J.M. A primer on security 1-47300
- Nygards, M.-E. *see* Sornmo, L. 1-48726
- Nygren, D.R. Future prospects of the TPC idea 1-43226
- Nyilas, A. *see* Krauth, H. 1-28390
- Nylander, C. *see* Armgarth, M. 1-38599, 1-52430
- Nylen, P. An optoelectronic system for sensing line profiles of spectroscopic plates 1-52392
- Nyman, M. *see* Alonso, J.R. 1-48748
- Nyman, N. The state-of-the-art of doing nothing [flashing circuit] 1-32369
- Nyquist, D.P. *see* Kun-Mu Chen 1-52134
- Nyssen, C. An efficient and accurate iterative method, allowing large incremental steps, to solve elasto-plastic problems 1-39710
- Nyunka, V. *see* Baltrameyunas, R. 1-32650
- O Chun-Sing *see* Chun-Sing O
- Oakes, M.E. *see* Skipping, C.R. 1-36054
- Oakley, A.J. Phase-shift monitor—an aid to tuning RTTY 1-41914
- Oates, D.E., Becker, R.A. LiNbO<sub>3</sub> surface-acoustic-wave edge-bonded transducers on ST quartz and (001) cut GaAs 1-36738
- Oates, D.E., Becker, R.A. LiNbO<sub>3</sub> surface-acoustic-wave edge-bonded transducers on ST quartz and (001)-cut GaAs 1-36792
- Oates, D.E., Boroson, D.M. Temperature-stable RAC 1-36778
- Oates, J.A. *see* Higgins, S.B. 1-48736
- Oates, R.W. Development of computer controlled rig to test dynamically loaded journal bearings under cavitation erosion conditions 1-47907
- Oatley, C.W. Detectors for the scanning electron microscope 1-45886
- Oba, K., Rehak, P. Studies of high-gain micro-channel plate photomultipliers 1-32587
- Oba, K., Rehak, P., Smith, S.D. High gain micro-channel plate multipliers for particle tracking or single photo-electron counting 1-32589
- Obana, S. *see* Ono, K. 1-41971
- Obara, H. *see* Endo, Y. 1-52382
- Obara, M. *see* Midorikawa, K. 1-33256
- Obara, M. *see* Miwa, J. 1-33581
- Obara, M. *see* Ogura, T. 1-27356
- Obara, M. *see* Saito, S. 1-51324, 1-51355
- Obara, M. *see* Sumida, S. 1-46678
- Obara, M. *see* Udagawa, M. 1-41058

- Obata, O., Sudo, Y., Gotanda, Y., Suzuki, Y., Hagiwara, S. 550 kV 180/3 MVar single-phase shunt reactor for Bonneville Power Administration, USA 1-49535
- Obata, Y., Takeda, S., Suzuki, H. An efficient eigenvalue estimation technique for multichannel power system dynamic stability analysis 1-34775
- Obata, Y. *see* Morishita, K. 1-33064
- Obeid, M.A. *see* Raoof, M.A. 1-38573
- Ober, A. Cold-water supply and distribution in large air-conditioning plant 1-39220
- Ober, A. Generation and distribution of cold water at large air conditioning plants 1-44511
- Oberbeck, P.E.R., Thompson, S.J. Synchronous video integration using digital techniques 1-51867
- Oberer, E. *see* Haenschke, D.G. 1-33887
- Oberg, P. *see* Ake Oberg, P.
- Oberg, U. Test and fault diagnosis of printed board assemblies with LSI-devices 1-39391
- Oberholzer, A. Circuits with Boolean Algebra 1-31172
- Oberlack, H. *see* Behrend, H.-J. 1-43229
- Oberle, M. *see* Bic, J.C. 1-47628
- Oberlin, J.C., Letournel, M., Heng, G. Strasbourg MP 10-report [tandem accelerator] 1-42841
- Oberlin, J.C. *see* Letournel, M. 1-42842
- Oberly, C.E. *see* Holmes, D.S. 1-28303
- Oberretl, K. Comparison of single sided and double sided linear motors 1-49490
- Oberretl, K. *see* Bolte, E. 1-31254
- Obert, J. *see* Paris, P. 1-48327
- Obert, J. *see* Putaux, J.C. 1-52658
- Obod, I.I. Semiconductor pentode square pulse generator with high duty ratio 1-39984
- Obokata, T. *see* Shirasaki, M. 1-33980, 1-40977, 1-47695, 1-51151
- Obolenskii, V.I., Chashka, Kh.B., Balla, D.D., Beletskii, V.I. Current-voltage curves of NbSe<sub>2</sub> microbridges pure and intercalated with hydrogen 1-51106
- Oboukhov, A. *see* Koshelyaevskii, N.B. 1-48250
- Obradovic, D. *see* Pejovic, S. 1-31080
- Obreton, J., Funck, R., Barvet, S. A 150 MHz 16 GHz FET amplifier 1-32215
- Obreton, J., Le Tron, Y., Funck, R., Barvet, S. Decade bandwidth FET functions 1-45667
- Obreton, J. *see* Barvet, S. 1-36345
- Obreton, J. *see* Khanna, A.P.S. 1-40233
- Obrezkov, G.V. The optimum distribution of signal search times 1-41728
- O'Brien, J., Gaffney, B., Liu, B. A high speed digital noise generator 1-42632
- O'Brien, K., Sanna, R. Neutron spectral unfolding using the Monte Carlo method 1-48598
- O'Brien, L.J. *see* Mucciardi, A.N. 1-47203
- O'Brien, R. Meeting today's gauging needs 1-38101
- O'Brien, R.R. *see* Hachtel, G.D. 1-50900, 1-50901
- O'Brien, R.R. *see* Hsieh, C.M. 1-32610
- Obrusnik, I. *see* Pacak, P. 1-43207
- O'Bryan, L.J. Multi-directional magnetization of structural welds 1-50348
- Obst, J. *see* Gallenberger, H. 1-30869
- Obukhov, E.V. Some technical and economic criteria for units of hydroelectric stations 1-43985
- Obukhov, V.I. Studying the electrical processes in a spark discharge 1-40340
- O'Carroll, A.P. *see* Bowron, P. 1-45482
- Ocheltree, S.L. *see* Turner, T.M. 1-43403
- Ochard'ko, V.I. *see* Kuchuk-Yatsenko, S.I. 1-44527
- Ochi, S. *see* Osada, M. 1-36375
- Ochiai, K. *see* Nagatoro, Y. 1-30378
- Ochiai, S. *see* Hasui, K. 1-29564
- Ochiai, T. *see* Yada, K. 1-33989
- Ochin, E.F. Synthesis of complex space-frequency filters for coherent optical processor 1-41157
- Ochin, E.F. Binary coding of spatial-frequency filters for coherent optical processor 1-51783
- Ochs, A. Statistical analysis of the directivity of precipitation scattering at 11.5 GHz [radio systems] 1-46929
- Ochs, T.L. Operational experience with a saturated borax solar pond 1-26890
- Ocken, H., Knott, S. Improving fuel rod performance 1-53200
- Ockendon, J.R. A survey of Oxford industry problems 1-50265
- Ockenfeld, M. The application of videotex by information and documentation centers—three examples 1-37726
- O'Clock, G.D., Jr., Smith, K.L., Kruchten, S.L. Evaluation of surface acoustic wave device metal-substrate interfaces using Auger and X-ray photoelectron spectroscopy 1-48272
- O'Connell, R.P. *see* Kawahara, S.K. 1-28100
- O'Connor, D.J., Palmer, D.W., Townsend, P.D., Morris, J., Pitt, C.W., Neuman, Z., Walpita, L.M. Depth analysis by RBS of ion exchanged optical waveguides 1-36879
- O'Connor, C., Parnell, T.M. The Queensland Senior and university success 1-26816
- O'Connor, P.J. Protect your distillate fuel reserves 1-53244
- Octavio, M., Frota-Pessoa, S., Oppenheim, I.F., Blackburn, J.A. Transients in one-dimensional superconductors 1-28362
- Octavio, M. *see* Schmidt, P.E. 1-45926
- Octernaud, M. Automatic calibration of water meters 1-29994
- Oda, E. *see* Tanigawa, H. 1-28132
- Oda, M. *see* Shimomura, T. 1-39313
- Oda, S., Saito, Y., Shimizu, I., Inoue, E. Electro-photographic studies of glow-discharge amorphous silicon 1-46619
- Oda, S. *see* Shimizu, I. 1-46608
- Oda, T. *see* Shiosaki, T. 1-32954
- Odagi, K., Kosaka, M., Sano, N., Hirota, Y., Senoh, T. Digital audio cassette recorder 1-34157
- Odajima, A. *see* Tanaka, K. 1-28768
- Odajima, K. *see* Uematsu, M. 1-42593
- Odaka, K., Arakawa, H., Masuda, I. On-line recognition of handwritten characters by approximating each stroke with several points 1-29153
- Odaka, T. *see* Ohno, Y. 1-45406
- Odamura, M. *see* Shimizu, Y. 1-50919
- Odani, M. *see* Asahara, S. 1-45767
- Odawara, G., Iijima, K., Ichihara, N., Kiyomatsu, T. PAS-LOP: an automatic module location system for PWB 1-45773
- Odawara, G., Kurishima, S., Aoyama, H., Kanaya, Y. PAS-CIP: an interactive logic design system 1-45424
- Odawara, G., Kurishima, S., Aoyama, H., Kinoshita, A. Computer aided circuit design system 1-32493
- Oddone, P. Initial running experience at PEP 1-42858
- O'Dea, J.J. *see* Kaiser, W.D. 1-49767
- Odegova, E.I. *see* Onoprich, O.K. 1-34349
- O'Dell, E.W. *see* Sam, C.L. 1-33214
- Oden, M., Fayolle, P. Expression of needs and network guide plans, examples of applications 1-33823
- Odendahl, A., Sattler, P.K. Control methods of linear induction motors—an experimental and theoretical study 1-49509
- Odum, D.L., Currie, N.C. Microwave backscatter measurements on transmission lines 1-52153
- O'Donnell, J.J. A system for very low data rate speech communication 1-37439
- O'Donnell, M., Miller, J.G. Quantitative broadband ultrasonic backscatter. An approach to nondestructive evaluation in acoustically inhomogeneous materials 1-39832
- O'Donoghue, P. Planned lighting maintenance cuts costs and energy usage 1-53766
- Odorico, L. *see* Cappellini, V. 1-41831
- Oe, K., Ando, S., Sugiyama, K. InSb<sub>1-x</sub>Bi<sub>x</sub> films grown by molecular beam epitaxy 1-32067
- Oe, S., Shinohara, Y., Soeda, T., Tomita, Y. Failure detection and prediction system by using adaptive digital filter 1-41737
- Oeding, D. *see* Burgel, K. 1-30734
- Oehme, F. Direct potentiometric concentration measurements with ion-selective electrodes 1-38309
- Oehme, K., Roser, U. Susceptibility of material supply to changes in requirements and consumption—prerequisite for demand-oriented production and supply of products according to demand 1-35628
- Oelfke, W.C., Hamilton, W.O., Darling, D. Operation of an ultrasensitive superconducting accelerometer 1-30079
- Oelgart, G., Arnold, G. Impurity profile on GaP diodes in the neighbourhood of a p-n junction 1-45936
- Oelgart, G. *see* Haefner, H. 1-28602
- Oels, H.J. *see* Davids, P. 1-38894
- Opomo, T.S. Digital computation of power system networks under faulted conditions using Z-loop without generating loop incidence matrix 1-43518
- Oers, T. *see* van Oers, T.
- Oertzen, W. *see* von Oertzen, W.
- Oesterich, U., Zeidler, G. Fiber optic cable for aerial application 1-33076
- Oestreich, E.T. *see* Mendelovicz, E. 1-51739
- Oestreich, U. Fiber-optic aerial cables 1-37926
- Oestreich, U. *see* Aulich, H. 1-28457
- Oetting, J.D., Durling, A.E. An analysis of antijam communication requirements in fading media 1-28945
- Oettinger, P.E. Electric energy production by particle thermionic-thermoelectric power generators 1-31476
- Getzel, G.N. *see* Edison, W.A. 1-42575
- Off, J. *see* Morchen, H. 1-43138
- Offen, J. Multi-function FLIR [forward-looking infrared radar] 1-52152
- O'Foghluha, F.A. *see* Wolbarsht, M.L. 1-30484
- Ofuka, T. *see* Fujita, S. 1-52113
- Ogai, M., Nishimura, M., Kamikawa, Y., Tachigami, S., Miyachi, M., Matsumoto, M. Injection molding of fusion-spliced fiber 1-36944
- Oganesyan, M.A. *see* Klebanov, S.B. 1-45536
- Oganesyan, S.G., Engibaryan, V.A. Amplification of an electromagnetic wave by a beam of electrons at an interface between two media 1-28851
- Ogasawara, K. *see* Iwata, A. 1-33862
- Ogasawara, M. *see* Eguchi, N. 1-43957
- Ogasawara, N. *see* Suyama, M. 1-41097
- Ogasawara, T., Itoh, M., Kubota, Y., Kanbara, K., Takahashi, Y., Yasohama, K., Yasukochi, K. Transient field losses in multifilamentary composite conductors carrying transport currents 1-28294
- Ogasawara, T., Takahashi, Y., Kanbara, K., Kubota, Y., Yasohama, K., Yasukochi, K. Alternating field losses in superconducting wires carrying DC transport currents. II. Multifilamentary composite conductors 1-28366
- Ogasawara, T. *see* Ito, D. 1-28393
- Ogawa, A. *see* Satoh, T. 1-29703
- Ogawa, A. *see* Watanabe, T. 1-33960
- Ogawa, A. *see* Yasuda, Y. 1-47629, 1-51785
- Ogawa, F. *see* Tani, C. 1-46587
- Ogawa, H. A theory of pseudobiorthogonal bases 1-44779
- Ogawa, H. Pseudobiorthogonal bases of type O 1-44780
- Ogawa, H. Fundamental studies of digital image restoration 1-47250
- Ogawa, H., Abe, A., Nishikawa, M., Hayakawa, S. Preparation of tin oxide films from ultrafine particles 1-32073
- Ogawa, H., Aikawa, M. Slot-line hybrid ring 1-40226
- Ogawa, H., Nishio, M., Arizumi, T. Epitaxial growth and chemical vapor transport of ZnTe by closed-tube method 1-39775
- Ogawa, H. *see* Kato, F. 1-44446
- Ogawa, K., Campbell, J.C. Comparison of photodetector/low-noise amplifier combinations for long-wavelength receivers 1-37935
- Ogawa, K., Inoue, S., Kobayashi, Y. Influences of various impurity elements on some characteristics of aluminum conductor 1-32084
- Ogawa, K., Kaizu, K., Takahashi, M., Suzuki, J. Reliability of integrated circuits used in highly integrated storage control 1-27393
- Ogawa, K., Liu, P.L., Lin, C., Kaminow, I.P. Picosecond pulse-code modulation scheme for injection lasers 1-41106
- Ogawa, K., Owen, B., Boll, H.J. Long-wavelength optical receiver using a short channel Si-MOSFET 1-52485
- Ogawa, K. *see* Kakimoto, A. 1-38277
- Ogawa, K. *see* Lee, T.P. 1-37031
- Ogawa, M. *see* Iwamatsu, S. 1-28027
- Ogawa, M. *see* Torikai, T. 1-45997
- Ogawa, N., Ito, M. A design approach for two-dimensional recursive digital filters with specified group-delay and magnitude characteristics 1-40118
- Ogawa, S. *see* Minami, A. 1-46406
- Ogawa, S. *see* Terai, M. 1-29343
- Ogawa, T. *see* Amemiya, T. 1-29772
- Ogawa, T. *see* Iwagami, N. 1-52939
- Ogawa, T. *see* Misawa, Y. 1-36533
- Ogawa, T. *see* Yabuzaki, T. 1-46746
- Ogawa, Y. *see* Akimoto, T. 1-43260
- Ogawa, Y. *see* Noda, T. 1-40430
- Ogden, H. Economic methods of justifying manufacturing projects 1-49982
- Ogden, W.R. Coding technique to change random alphabetic letters into a bit mask 1-29091
- Ogi, S.K. *see* Camana, P.C. 1-52899
- Ogienko, Yu.P. *see* Grekalo, N.E. 1-30732
- Ogihara, T. *see* Tanaka, C. 1-45412
- Ogino, K. *see* Cadzow, J.A. 1-37625, 1-41643
- Ogino, N., Saito, T., Inose, H. Optimum path hunting strategy and optimum design method in T-S-T types of switching networks 1-41848
- Ogino, N., Saito, T., Inose, H. Evaluation on dynamic steps of path hunting in space division multi-stage switching networks 1-47280
- Ogirima, M., Saida, H., Hayasaka, A., Anzai, A., Nitta, T., Kuroda, S. Application of low pressure silicon epitaxy to subnanosecond bipolar logic LSIS 1-32877
- Ogle, J., Damanda, K. The evolution of automatic monitoring within a data communications network 1-33843
- Ogle, J. *see* Holz, G. 1-45883
- Ogose, S., Murota, K. Differentially-encoded GMSK with 2-bit differential detection [in mobile radio communication] 1-42202
- Ogrodzki, J.T. Methods of computer-calculated large change sensitivity analysis 1-27219
- Ogrodzki, J.T. *see* Styblinski, M.A. 1-45189
- Oguchi, K., Osawa, T. Gate control circuits for a three-phase PWM inverter using turn-off thyristors 1-49571
- Oguchi, K., Suzuki, H. Speed control of a brushless static Kramer system 1-38985
- Oguchi, K. *see* Hosokawa, M. 1-48175
- Oguchi, T. Effect of incoherent scattering on attenuation and cross-polarization of millimeter waves due to rain: preliminary calculations at 34.8 and 82 GHz for spherical raindrops 1-28874
- Oguchi, T., Higuchi, M., Uno, T., Kamaya, M., Suzuki, M. A single-chip graphic display controller 1-30023
- Ogunbiyi, E.I., Henley, E.J. Irredundant forms and prime implications of a function with multistate variables 1-35675

- Ogura, H., Nakayama, J., Sakata, M. Scattering of electromagnetic plane wave from a slightly random surface 1-51595
- Ogura, H. *see* Tomita, K. 1-42144
- Ogura, H. *see* Tsubaki, I. 1-29642
- Ogura, K. *see* Okada, M. 1-47225
- Ogura, M., Sakaue, K., Takagi, M., Adachi, Y., Ikoma, T. Computer aided detection of slow motion of defects in GaP light emitting diodes 1-41033
- Ogura, S., Konishi, T., Maeda, F., Adachi, T., Arahata, Y. Analysis of Joule heat loss via finite element method (Joule heat loss in conductor and iron ring) 1-33313
- Ogura, S. *see* Critchlow, D.L. 1-50942
- Ogura, T., Kannari, F., Obara, M., Fujioka, T., Toyoda, K., Nanba, S. Output performance of the coaxial-type Marx generator consisting of BaTiO<sub>3</sub> series ceramic capacitors 1-27356
- Ogura, T. *see* Ohashi, H. 1-40577
- Ogura, Y. *see* Asahara, S. 1-45767
- Ogura, Y. *see* Hayashi, Y. 1-35438
- Ogura, Y. *see* Hoshino, T. 1-39169
- Oguri, H. *see* Watanabe, T. 1-48703
- Oh, C.S., Kramer, G. Very large scale dichroic displays 1-52541
- Oh, M., Glavas, X.G., Prideaux, P.H. Increased durability of optical fibers through the use of compressive cladding 1-40928
- Oh, S., de Jong, M., Bruckshaw, J., Gusdal, I., Konopasek, F., McIlwain, A., Pogson, R. The University of Manitoba polarized D<sup>-</sup> and H<sup>-</sup> source 1-43155
- Oh, S. *see* de Jong, M. 1-42881
- Oh Se-Ho *see* Se-Ho Oh
- Oh-Uchi, N. *see* Matsushita, T. 1-40555
- O'Hagan, J.B. *see* Walko, R.J. 1-48563
- O'Handley, R.C. Near-elastic alloy conductors for glass-ceramic-based MLC 1-50693
- O'Hara, B. Costing a printed circuit board 1-45782
- O'Hara, F.P. *see* Alspaugh, G.R. 1-47423
- Ohara, H. *see* Kobayashi, H. 1-41784
- Ohara, H. *see* Suzuki, Y. 1-33690
- Ohara, K. *see* Kodaira, K. 1-47325, 1-51913
- Ohara, M. *see* Inatomi, H. 1-34057
- O'Harold, R., Peach, D. An enhanced analog/digital IEEE bus based PCB test system 1-52372
- Ohashi, H., Matsuda, H., Ogura, T., Tsukakoshi, T., Yamaguchi, Y. Directly light-triggered 4 kV-1500 A thyristor (SL1500GX21) 1-40577
- Ohashi, H. *see* Azuma, M. 1-40571
- Ohashi, H. *see* Yokokura, K. 1-39095, 1-44272
- Ohashi, K. *see* Yanai, T. 1-38037
- Ohashi, M., Kitayama, K., Seikai, S. Mode coupling effects in a graded-index fiber cable 1-51148
- Ohashi, T. Solid-state timers and counters play major role in control 1-40051
- Ohata, K. *see* Itoh, H. 1-40590
- Ohba, R., Umetsu, T., Mkami, N. Optical fiber probe microphone 1-38187
- Ohba, S. *see* Hoshimiya, N. 1-43293
- Ohbayashi, Y. *see* Miyamoto, K. 1-46317
- Ohboshi, T. *see* Yamaguchi, H. 1-30607
- Ohchi, H. *see* Amemiya, T. 1-29772
- Ohdomari, I., Tu, K.N., Suguro, K., Akiyama, M., Kimura, I., Yoneda, K. Low-temperature redistribution of As in Si during Pd<sub>2</sub>Si formation 1-46051
- Ohe, S.-I. *see* Ohmatsu, S. 1-32144
- Oheda, H. *see* Okushi, H. 1-46097
- Ohgo, T. *see* Hara, T. 1-51384
- Ohgushi, Y., Ueno, Y., Nakatani, S., Kurokawa, S. Optical fiber transmission for QPSK, 16 QAM, and frequency-modulated IF signals 1-37929
- Ohgushi, Y., Yamamoto, H., Yamabayashi, H., Kaneko, Y., Koda, Y. A pulmonary function analysing system 1-43290
- Ohira, T., Tsutsumi, M., Kumagai, N. Perturbation analysis on the corrugated dielectric waveguide, with application to millimeter-wave filters 1-45594
- Ohira, T. *see* Tsutsumi, M. 1-40824
- Ohishi, S. Sweep generators with presettable markers 'Sweemar Scope' 1-42630
- Ohishi, T., Seino, S., Sakurai, Y. Vacuum-pipeless laser Earth strainmeter 1-34685
- Ohkawa, S. *see* Komono, J. 1-40500, 1-50293
- Ohkawa, S. *see* Nogami, M. 1-27127
- Ohkawa, S. *see* Shiraishi, F. 1-34451
- Ohkawa, S. *see* Yashiro, K. 1-36828
- Ohkawara, T. Outline of 132 kV substation for Umm Said industrial area delivered to MEW state of Qatar 1-31356
- Ohke, S., Kusunoki, A., Cho, Y., Matsuo, Y. A light intensity modulator using p-n junction 1-46565
- Ohki, A. *see* Kurihara, S. 1-33771
- Ohkubo, A. *see* Kushibiki, J. 1-48910
- Ohkubo, M. On interleaved codes for error-correcting codes 1-47136
- Ohkubo, M. A strong outer bound to the capacity region for multiple access channels 1-51875
- Ohkubo, M., Kikushima, M., Tagami, M. Reliability of teleperm FC-series transmitter 1-48038
- Ohkuda, K. *see* Hoshimiya, N. 1-43293
- Ohkura, I. *see* Miyamoto, K. 1-46317
- Ohkura, K. AC level meter [AF measurement] 1-42470
- Ohlckers, P.A. Norwegian production of long-term stable integrated pressure transducers—a combination of micro-electronics and micro-mechanics 1-38165
- Ohley, W. *see* Gewirtz, H. 1-52772
- Ohlms, D.E. *see* Cohen, A.O. 1-51851
- Ohlsson, O.O. The role of refuse derived fuel (RED) as an alternative energy source for district heating and power generation 1-30865
- Ohly, T. *see* Barycka, I. 1-27909
- Ohm, G. Experimental 14/11 GHz regenerative repeater for communication satellites 1-47650
- Ohm, G., Alberty, M. Microwave phase detectors for PSK demodulators 1-36155
- Ohm, G., Alberty, M., Rosowsky, D. 14 GHz differential QPSK demodulator for regenerative satellite repeater 1-47658
- Ohmachi, Y. *see* Yamaguchi, E. 1-32701
- Ohmae, T. *see* Masuda, I. 1-53587
- Ohmae, Y. *see* Fujisawa, K. 1-33000
- Ohmatsu, S., Nagamine, H., Ohe, S.-I., Soeda, T. Fixed lag smoothing estimator for a distributed parameter system 1-32144
- Ohmen, D. *see* Avery, R. 1-42826
- Ohmori, M., Mizutani, T., Kato, N. Very low power gigabit logic circuits with enhancement-mode GaAs MESFETS 1-45436
- Ohmori, M. *see* Ino, M. 1-36690, 1-45361
- Ohmori, S., Irimata, A., Morikawa, H., Kondo, K., Hase, Y., Miura, S. Distortion effect for an antenna by above deck structures 1-51663
- Ohmori, T., Kamae, T., Nakabayashi, S. Public facsimile communication system design concept 1-33759
- Ohmori, T. *see* Minegishi, S. 1-45732
- Ohmori, Y., Sasaki, Y. Characteristics of phase-matched sum-frequency light in optical fibres 1-51512
- Ohmori, Y., Sasaki, Y., Eda, H., T. Fibre-length dependence of critical power for stimulated Raman scattering 1-51510
- Ohmori, Y., Sasaki, Y., Kawachi, M., Eda, H., T. Single-pass Raman generation pumped by a mode-locked laser 1-51511
- Ohmori, Y. *see* Horiguchi, M. 1-33065
- Ohmori, Y. *see* Hosaka, T. 1-36892
- Ohmori, Y. *see* Iwamura, J. 1-27476
- Ohmori, Y. *see* Miya, T. 1-33063
- Ohmori, Y. *see* Sasaki, Y. 1-33270
- Ohmura, K. *see* Hosoba, M. 1-43326
- Ohmura, M. *see* Fuchigami, T. 1-33905, 1-46981
- Ohmura, M. *see* Kojima, N. 1-42145
- Ohmura, M. *see* Tomita, N. 1-41901
- Ohmura, M. *see* Yamamoto, H. 1-33904
- Ohnishi, K., Ushirokawa, A., Befu, M. Electron injection parameters and memory characteristics of MNOS devices 1-40475
- Ohnishi, K. *see* Tachikawa, Y. 1-52105
- Ohnishi, K. *see* Watanabe, R. 1-33982
- Ohnishi, M. *see* Kuwano, Y. 1-53678
- Ohnishi, M. *see* Takeuchi, M. 1-42022
- Ohnishi, T., Okitsu, H. Power-factor improvement of single-phase converter by means of bias voltage control 1-44207
- Ohnishi, Y. *see* Shimura, F. 1-40380
- Ohno, H. *see* Morgan, D.V. 1-45978
- Ohno, I. *see* Furuta, T. 1-30608
- Ohno, M. *see* Watanabe, T. 1-48703
- Ohno, T. *see* Oikado, T. 1-37062
- Ohno, T. *see* Takamizawa, H. 1-45721
- Ohno, Y., Morita, H., Odaka, T., Miyamoto, S., Miyoshi, M., Onizuka, N. Logic simulation of the very large computer HITAC M-200 H 1-45406
- Ohno, Y. *see* Goshima, S. 1-47930
- Ohno, Y. *see* Yoshino, T. 1-36956
- Ohnoki, T. *see* Tsubaki, I. 1-42199
- Ohnstad, G.A. *see* Homan, L.C. 1-36080
- Ohnuki, S., Adachi, S. Radiation and reception characteristics of an oblate spheroidal antenna for electron plasma waves. I. Theory 1-51657
- Ohnuki, S., Adachi, S., Ohnuma, T. Radiation and reception characteristics of an oblate spheroidal antenna for electron plasma waves. II. Experiment 1-47057
- Ohnuki, Y., Inada, T. Zinc implantation in gallium phosphide 1-40510
- Ohnuma, K., Honda, T., Tsujiuchi, J. Different scale correlation on aerial photographs by rotating a picture in coherent matched filtering 1-41808
- Ohnuma, S. Comments on stable motions in nonlinear coupled resonances [synchrotron] 1-42813
- Ohnuma, T. *see* Ohnuki, S. 1-47057
- Ohnuma, T. *see* Tsujikawa, A. 1-32431
- Ohr, S. Voltage-output DAC settles to 0.01% in 250 ns 1-40178
- Ohsako, S. *see* Takahashi, I. 1-33766
- Ohswa, Y., Hayashi, M. Construction of power system transient stability equivalents using the Lyapunov function 1-38665
- Ohswa, Y. *see* Kakimoto, N. 1-30635
- Ohser, J. On statistical analysis of the Boolean model 1-50145
- Ohshiba, H. *see* Hosokawa, T. 1-28849
- Ohshima, T. *see* Kobayashi, K. 1-37852
- Ohshiro, Y. *see* Hattori, T. 1-48383
- Ohshita, Y., Tsukushi, M., Goto, T., Hirasawa, K. Application of ITRV artificial line to synthetic tests on EHV gas circuit breaker 1-35301
- Ohsumi, A. *see* Sunahara, Y. 1-41679
- Ohta, H. *see* Takahashi, M. 1-43424
- Ohta, N. *see* Ikeda, T. 1-32069
- Ohta, S. *see* Ishii, Y. 1-36825
- Ohta, T. *see* Itoh, T. 1-34038
- Ohta, T. *see* Watanabe, T. 1-48703
- Ohtaki, K. *see* Tada, A. 1-40572
- Ohtani, S. *see* Imamura, H. 1-52662
- Ohtani, S. *see* Sekine, M. 1-37959, 1-47708
- Ohtera, I., Ujiie, H. A modified rhombic dielectric plate antenna 1-41374
- Ohtera, I., Ujiie, H. Radiation performances of a modified rhombic dielectric plate antenna 1-47017
- Ohtomo, R.H. 250 watt Ku-band TWT for satellite communication system 1-32558
- Ohtsu, M. *see* Sio, I. 1-42531, 1-46682
- Ohtsu, M. *see* Tsuchida, H. 1-46745
- Ohtsubo, A. *see* Shibata, F. 1-44093
- Ohtsubo, T. *see* Segawa, T. 1-31010
- Ohtsuka, K., Yamazoe, Y., Nishino, T., Hamakawa, Y. Photoluminescence measurements for Cd-diffused InP p-n junction 1-45981
- Ohtsuka, K. *see* Namba, M. 1-43555
- Ohtsuka, Y., Koike, Y., Yamazaki, H. Studies on the light-focusing plastic rod. X. A light-focusing plastic fiber of methyl methacrylate-vinyl benzoate copolymer 1-51154
- Ohtsuka, Y. *see* Ninomiya, Y. 1-34093
- Ohue, K.  $\lambda$  directional couplers constructed from two-tandem connected  $\lambda/4$  directional couplers 1-40227
- Ohue, K., Tsuyuki, S. A design method of super-wideband pulse amplifiers 1-39963
- Ohwada, K., Omura, Y., Sano, E. A high-speed buried-channel MOSFET isolated by an implanted silicon dioxide layer 1-50936
- Ohwada, K. *see* Akiya, M. 1-51016
- Ohwada, K. *see* Omura, Y. 1-36634
- Ohwada, N., Kimura, T., Kasai, R., Fukuda, H., Ishikawa, M., Yasukawa, H. CMOS LSI family for the digital communication network 1-51897
- Ohwada, N. *see* Kimura, T. 1-51987
- Ohwi, K. *see* Okada, F. 1-40822
- Ohya, A. *see* Hasegawa, T. 1-34031
- Ohya, N., Huang, J., Fukunaga, T. Computer analysis of the maximum expiratory flow volume curve 1-43291
- Ohya, S. *see* Nakano, Y. 1-31924
- Ohyama, H. *see* Ishida, M. 1-45090
- Ohyama, K. *see* Utsumiya, T. 1-30454
- Ohyama, N., Honda, T., Tsijiuchi, J. Tomogram reconstruction using advanced coded aperture imaging 1-30418
- Ohyama, T., Gotoda, T., Takada, A. A ROM-controlled LSI sequencer for digital data subscriber loop transmission equipment 1-47421
- Oikado, T., Hotta, K., Ohno, T. A new compact pulsed CO<sub>2</sub> laser for materials processing 1-37062
- Oikawa, M., Iga, K., Sanada, T. Distributed-index planar microlens array prepared from deep electromigration 1-40959
- Oizumi, T. *see* Takahashi, Y. 1-44549
- Oja, E. *see* Karhunen, J. 1-33678
- Ojala, A. Factors affecting the optimization of the arrangements of light water nuclear heat-power stations and the temperatures of long-distance heat transmission 1-49229
- Ojeba, E.B. The effect of undersampling and finite truncation of the antenna near-field data on the predicted far-field pattern 1-41346
- Ojefors, L. Batteries can even out load on power grid 1-48949
- Ojefors, L. *see* Carlsson, L. 1-53604
- Ojima, K. *see* Kosugi, K. 1-39228
- Ojima, T. *see* Mishra, R.K. 1-46427
- Oka, H., Iwata, J. A new frequency modulator using ferrite orthogonal cores 1-27362
- Oka, H., Iwata, J. Basic study of frequency modulator using small size orthogonal core 1-39992
- Oka, H. *see* Jeong, M.U. 1-40462
- Oka, K. *see* Shimamoto, S. 1-28369, 1-51118
- Oka, Y. *see* Goshima, S. 1-47930
- Okabayashi, H. *see* Nozaki, T. 1-46159
- Okabe, T. *see* Horie, N. 1-29915
- Okabe, T. *see* Nakamura, T. 1-28098
- Okabe, T. *see* Okamoto, Y. 1-34344
- Okabe, Y. *see* Fujimaki, N. 1-36855
- Okada, F., Ohwi, K., Oshime, F. A high-power ferrite phase-shifter 1-40822
- Okada, H. An evaluation method on stability of ALOHA channel—system flow analysis 1-41851
- Okada, I., Yoshihara, H. Preparation of MnBi by enhanced activated reactive evaporation process 1-32080
- Okada, I. *see* Nagami, K. 1-49610
- Okada, K. Research on the transfer function of the high order hold circuits 1-39847

- Okada, K.**, Kobayashi, I., Hashimoto, K., Shibata, T., Kosugi, T., Nagaki, Y. Optical cable fault location using a correlation technique 1-29768
- Okada, K.** *see* Kawarasaki, M. 1-47475, 1-52025
- Okada, K.** *see* Sano, K. 1-30061
- Okada, M.**, Furuta, S., Okumura, M., Hirano, T., Matsushita, H. Ion-sensitive field effect transistor with solid membranes 1-46165
- Okada, M.**, Ogura, K., Murakami, S. Line-by-line thinning method using a classification of horizontal and vertical line elements 1-47225
- Okada, M.**, Takizawa, K. Instability and transient responses of an electrooptic bistable device 1-33083
- Okada, M.** *see* Belli, Y. 1-28227
- Okada, M.** *see* Koshiba, M. 1-51058
- Okada, M.** *see* Sato, T. 1-32483
- Okada, M.** *see* Totani, S. 1-31623
- Okada, S.** *see* Sato, K. 1-50392
- Okada, T.**, Iwai, A., Hayakawa, M. A new whistle direction finder 1-48853
- Okada, T.**, Manabe, Y., Muraoka, K., Akazaki, M. Off-line center operation of an injection-locked single-mode TEA CO<sub>2</sub> laser 1-46772
- Okada, T.**, Nishijima, S., Horiuchi, T. Study of stress/strain effects on superconductor composite system a coil simulation experiment on potting 1-28398
- Okada, T.** *see* Hayakawa, M. 1-48866
- Okada, T.** *see* Maruta, R. 1-29285
- Okada, T.** *see* Masuda, K. 1-31722
- Okada, T.** *see* Murakami, Y. 1-28372
- Okada, T.** *see* Nakano, K. 1-27159
- Okada, T.** *see* Nishijima, S. 1-39829
- Okada, T.** *see* Shiota, S. 1-28300
- Okada, T.** *see* Toya, H. 1-39097, 1-44271
- Okada, T.** *see* Uenosono, C. 1-35141
- Okajima, M.**, Doniwa, K., Ishikawa, T., Niimi, N., Koike, Y. On body surface VAT 'isochrone' maps generated by computer using simulated excitation sequences in ventricular model 1-48723
- Okajima, M.** *see* Kurihara, H. 1-37151
- Okajima, M.** *see* Rautaharju, P.M. 1-43350
- Okajima, M.** *see* Toyama, J. 1-43357
- Okajima, M.** *see* Watanabe, T. 1-48703
- Okamoto, A.** *see* Inushima, T. 1-28163
- Okamoto, H.** *see* Asahi, H. 1-28719, 1-45079
- Okamoto, H.** *see* Kawamura, Y. 1-45081
- Okamoto, H.** *see* Tawada, Y. 1-53613
- Okamoto, J.**, Satoh, K., Yamashita, K. A design method for two-dimensional digital filters using FFT algorithm 1-45535
- Okamoto, J.**, Yamashita, K. Stability theorems for two-dimensional digital filters and two-dimensional first-order time-delay digital filters 1-32354
- Okamoto, K.**, Edahiro, T., Nakahara, M. Transmission characteristics of VAD multimode optical fibers 1-46490
- Okamoto, K.**, Nasu, Y., Hamakawa, Y. Low-threshold-voltage thin-film electroluminescent devices 1-41024
- Okamoto, K.**, Nasu, Y., Okuyama, M., Hamakawa, Y. Low-threshold-voltage AC thin-film electroluminescent device 1-46649
- Okamoto, K.**, Wood, C.E.C., Eastman, L.F. Schottky barrier heights of molecular beam epitaxial metal-AlGaAs structures 1-32699
- Okamoto, K.** *see* Hara, Y. 1-28080
- Okamoto, K.** *see* Hosaka, T. 1-46509
- Okamoto, M.**, Shimizu, M. Node-visit optimal 2-3 brother trees 1-44932
- Okamoto, M.** *see* Fujita, S. 1-52113
- Okamoto, M.** *see* Fukushima, M. 1-43362
- Okamoto, M.** *see* Kitayama, T. 1-52110
- Okamoto, M.** *see* Teshima, K. 1-52111
- Okamoto, Y.**, Mitani, E., Sumioka, A., Okabe, T. A color bar-graph display panel using DC gas discharge 1-34344
- Okamoto, Y.** *see* Koga, M. 1-32922, 1-34348
- Okamura, H.**, Kuroda, T., Miyahara, A. Test stand for magnetron H<sup>-</sup> ion source at IPP-Nagoya 1-48565
- Okamura, H.**, Seymour, P.D. Multicommodity flows in planar graphs 1-50206
- Okamura, K.** *see* Nishida, H. 1-40435
- Okamura, K.** *see* Tsukamoto, M. 1-36901, 1-36935
- Okamura, M.** *see* Makino, J. 1-34940
- Okamura, S.** *see* Fujimaki, N. 1-36855
- Okamura, S.** *see* Kusakawa, H. 1-46316
- Okamura, S.** *see* Nishi, H. 1-46056
- Okano, H.** Decoding of triple and quadrupole error correcting BCH codes by direct solving of error-locator polynomials 1-33493
- Okano, H.** Decoding of double and triple error correcting BCH codes by microcomputer 1-51790
- Okano, H.** *see* Horiike, Y. 1-32769
- Okano, K.** *see* Takeda, M. 1-41028
- Okano, K.** *see* Uede, H. 1-48173
- Okano, S.**, Mitsuoka, T. Quartz crystals finding new applications in digital equipment 1-40762
- Okano, S.**, Suzuki, M., Suzuki, M. Contact effects of metals on chalcogenide semiconductor films 1-27886
- Okano, S.** *see* Suzuki, M. 1-45948
- Okano, Y.** *see* Okimi, K. 1-29844
- Okamura, T.** Suboptimal trajectory estimation of a satellite by a U-D factorization information filter 1-52838
- Okasaki, K.** *see* Igarashi, H. 1-40745
- Okawa, M.**, Matsuda, S., Tsutsumi, T., Nishiwaki, S. Reliability and service experience with vacuum switching equipments 1-49635
- Okawa, M.** *see* Yokokura, K. 1-39095, 1-44272
- Okawa, Y.** Selecting reactor systems for energy center concept 1-43869
- Okazaki, A.** *see* Takeuchi, F. 1-52533
- Okazaki, K.**, Igarashi, H. Short-time evaluation of reliability of ceramic dielectric capacitors 1-36363
- Okazaki, K.** *see* Igarashi, H. 1-40746
- Okazaki, K.** *see* Kanada, H. 1-36211
- Okazaki, K.** *see* Tanaka, C. 1-46266
- Okazaki, S.** *see* Kusaka, M. 1-50846
- Okazaki, S.** *see* Mochui, K. 1-40490
- Okean, H.C.** Impact of low-noise technology on present and future satcom systems 1-47659
- O'Keefe, W.** Will your small-hydro development be a liquid asset or only a liability? 1-35084
- O'Keefe, W.** A special report: corrosion-resistant piping for utility and industrial powerplants 1-53155
- O'Keefe, T.W.**, Adam, J.D., Daniel, M.R. Magnetostatic wave delay line with four biphasic switchable taps operating at X-band 1-36832
- O'Keefe, T.W.** *see* Adam, J.D. 1-40826
- O'Kelly, D.** *see* Musgrave, G. 1-49267
- Okhotin, V.N.**, Safronnikov, S.A. Automatic control of thermal power stations in the USA 1-35059
- Okhotnikov, O.G.** *see* Bazhenov, V.Yu. 1-51471
- Okhotnikov, O.G.** *see* Bogatov, A.P. 1-28727
- Oki, T.** *see* Sano, K. 1-30061
- Okimi, K.**, Okano, Y. Digital stereophonic sound-program transmission network 1-29844
- Okimi, K.**, Shirakawa, H., Narumiya, K. Digital terminals in a synchronous network 1-29505
- Okinaka, A.** *see* Yahagi, K. 1-28178
- Okitsu, H.** *see* Ohnishi, T. 1-44207
- Okon, E.E.** A generalised numerical expression for the three-dimensional laplacian operator 1-50247
- Okoneshnikov, V.S.** *see* Kochemasov, V.N. 1-41723
- Okorokov, G.N.** *see* Borodachev, A.S. 1-31712
- Okoshi, T.** Heterodyne-type optical fiber communications 1-37932
- Okoshi, T.**, Chang, J.C., Saito, S. Measuring the complex frequency response of multimode optical fibers 1-33027
- Okoshi, T.**, Nishimura, M. Measurement of axially nonsymmetrical refractive-index distributions of optical fiber preforms by a triangular mask method 1-51145
- Okoshi, T.** *see* Kikuchi, K. 1-46732
- Oku, T.** *see* Takasu, S.I. 1-40489
- Oku Watanabe, M.**, Tanaka, A., Nakanishi, T., Zohta, Y. Effects of the growth conditions on deep level concentration in MOCVD GaAs 1-45931
- Okubo, T.** *see* Ueda, Y. 1-41819
- Okuda, H.**, Nishizawa, H., Nishine, S., Iguchi, S., Yamaguchi, T. High-radiance light emitting diodes for optical fiber communications [GaAlAs structure] 1-37915
- Okuda, K.** *see* Goto, M. 1-35140
- Okuda, M.** *see* Shimizu, H. 1-42710
- Okuda, N.** *see* Chiba, T. 1-46267
- Okuda, N.** *see* Shirakawa, I. 1-46303
- Okuda, T.** *see* Yamauchi, T. 1-37238
- Okudaira, H.** *see* Kawanobe, T. 1-45832
- Okuma, Y.**, Yagi, K., Kumabe, I., Matsuda, K. Measurements of the inhomogeneities of magnetic fields in a sector-type of slim electromagnet 1-28857
- Okumoto, K.** Availability of a 2-component dependent system 1-39462
- Okumura, E.** *see* Yanabu, S. 1-44273
- Okumura, F.** *see* Dohi, Y. 1-32344
- Okumura, H.** *see* Yanabu, S. 1-39098
- Okumura, K.** Degradation of bonding strength (Al wire-Au film) by Kirkendall voids 1-32522
- Okumura, K.** *see* Masubuchi, O. 1-52334
- Okumura, K.** *see* Utsuro, M. 1-48537
- Okumura, M.** *see* Okada, M. 1-46165
- Okun', I.Z.** Manual balancing of the temperature error in constant-temperature thermoanemometers (with zero setting in an immovable medium) 1-30281
- Okunev, S.I.** *see* Ivanenko, V.N. 1-49453
- Okuno, K.**, Iwami, M., Hiraki, A. Initial stage of metal/Si interface formation at room temperature 1-27859
- Okuno, K.** *see* Imamura, H. 1-52662
- Okuno, K.** *see* Shimamoto, S. 1-28369, 1-51118
- Okuno, K.** *see* Yamakawa, I. 1-28859
- Okuno, M.** *see* Saito, T. 1-32085
- Okuno, Y.** *see* Nishizawa, J. 1-40396, 1-40397, 1-50784
- Okushi, H.**, Tokumaru, Y. Isothermal capacitance transient spectroscopy 1-40387
- Okushi, H.**, Tokumaru, Y., Yamasaki, S., Oheda, H., Tanaka, K. Determination of the density of state distribution of a-Si:H by isothermal capacitance transient spectroscopy 1-46097
- Okushi, H.** *see* Matsuda, A. 1-27926, 1-50797
- Okushi, H.** *see* Tanaka, K. 1-45947
- Okutsu, N.**, Matsuda, S., Mukae, H., Takahashi, Y., Tominaga, S. Pattern recognition of vibrations in metal enclosures of gas insulated equipment and its application 1-44278
- Okuyama, K.** *see* Takashima, H. 1-37853
- Okuyama, M.**, Matsui, Y., Seto, H., Hamakawa, Y. IR-OPFET: infrared sensor using PbTiO<sub>3</sub> pyroelectric film 1-42624
- Okuyama, M.** *see* Okamoto, K. 1-46649
- Olah, A.** A maintenance cycle order experiment of the V43 series electric locomotives of MAV 1-53745
- Olaisen, H.** *see* Bowers, J.E. 1-37489
- Olaniyan, O.O.** *see* Kapungu, P. 1-43438
- Olbro, A.W.**, Jakubczyk, B. Canonical delays, R<sup>2</sup>(s)-controllability and function space controllability of linear differential-difference systems 1-27078
- Olbrycht, L.** Automatic design of overhead transmission lines 1-53108
- Olcer, S.**, Harsa, C. Optimisation of output of power stations 1-43979
- Olcina, R.**, Esparza *see* Esparza Olcina, R.
- Oldano, G.** *see* Manzoni, P. 1-52778
- Oldengarm, J.** *see* Vonka, V. 1-48265
- Oldfield, M.L.G.** *see* Bryanston-Cross, P.J. 1-34403
- Oldham, W.G.**, Neureuther, A.R. Projection lithography with high numerical aperture optics 1-40495
- Oldham Smith, K.** Site supplies—contractors' responsibilities 1-31839
- Olds, F.C.** Power plant construction: state-of-the-art 1-34968
- Olds, F.C.** Nuclear energy in the USA: perspectives, conceptions and implications 1-34998
- Olds, F.C.** Nuclear waste management 1-43849
- Olds, F.C.** EBR-2 and nuclear fuel economics 1-43879
- O'Leary, G.C.** *see* Johnson, D.H. 1-37667
- Oleinikov, A.Ya.** *see* Mart'yakhin, V.A. 1-33114
- Olekas, A.** *see* Ashmontas, S. 1-36527
- Oleksniuk, L.** *see* Forster, R. 1-42976
- Oleksniuk, L.** *see* Kells, W. 1-43030, 1-48527
- Oleshko, V.G.** *see* Kolegov, V.G. 1-48146
- Olevskii, S.S.** *see* Anikin, V.I. 1-51205
- Olgarenko, V.I.** *see* Ignat'ev, V.M. 1-49848
- Olin, A.** *see* Hargrove, C.K. 1-43237
- Olin, K.E.** *see* Tseng, D.Y. 1-48811
- Oliner, A.A.** *see* Peng, S.T. 1-51721
- Oliner, A.A.** *see* Shiau, M.J. 1-45613
- Oliva, T.A.**, Peters, M.H., Murthy, H.S.K. A preliminary empirical test of a cusp catastrophe model in the social sciences 1-50114
- Oliver, D.W.** *see* Baliga, B.J. 1-46153
- Oliver, J.A.**, Baker, J.E., Roth, J.W. Assessment of the use of human factors in the design of fossil-fired steam generating systems 1-53278
- Oliver, J.D., Jr.**, Eastman, L.F., Kirchner, P.D., Schaff, W.J. Electrical characterization and alloy scattering measurements of LPE Ga<sub>0.4</sub>In<sub>0.6</sub>As/InP for high frequency device applications 1-40399
- Oliver, J.D., Jr.** *see* Binari, S.C. 1-39807
- Oliver, J.R.** *see* Cape, J.A. 1-44376
- Oliver, J.R.** *see* Fairman, R.D. 1-27105
- Oliver, S.** Ten years operational experience with the ISR power supplies 1-48282
- Olivera, A.F.** Voltmeter sensitivity booster 1-42671
- Olivero, S.**, Foco, A., Enrichens, F., Festa, T.E. First medical experiences of telemedicine 1-38470
- Oliver, G.**, Stefanovic, V.R., April, G.-E. Microprocessor controller for a thyristor converter with an improved power factor 1-49562
- Olivo, M.**, Rohrer, U., Steiner, E. An electrostatic beam splitter for the SIN 590 MeV proton beam line 1-48390
- Olken, M.I.**, Stranovsky, G., Perrella, N.J. Remote multiplexing and telemetry systems utilization at generating stations 1-42559
- Ol'khovik, N.P.** *see* Kovalenko, I.I. 1-49177
- Ollerenshaw, C.** New approach to PCB production 1-27691
- Olms, K.** The post-WARC frequency situation in Central Europe 1-52187
- Olmstead, M.M.**, Hoenig, M.O. Constructing, fabricating, and forming internally-cooled cabled superconductors 1-28391
- Olmstead, M.M.** *see* Hoenig, M.O. 1-28382
- Olmstead, M.M.** *see* Iwasa, Y. 1-28370
- Olmstead, O.K.**, Gattis, T.A. Control software for modular common core ATE systems 1-38556
- Olortegui, J.**, Lindquist, C.S. A design method for directly converting Thevenin amplifier filters into Norton amplifier filters 1-36253
- Olsen, G.H.** InGaAsP laser diodes 1-46749
- Olsen, G.H.** *see* Ettenberg, M. 1-46820
- Olsen, J.** *see* Liu, C.J. 1-53592

- Olsen, J.D., Sea, R.G. Network management for the PLRS-JTIDS Hybrid (PJH) System 1-29336
- Olsen, N.T. Short pulse electron beam guns for pulsed laser applications 1-37187
- Olsen, O.H., Samuelsen, M.R. Reflection of sine-Gordon breathers 1-40859
- Olsen, R. *see* Hemery, J.-Y. 1-43092
- Olsen, R.B. Demonstration of heat to electrical energy conversion with a ferroelectric material 1-31475
- Olsen, R.E., Dobberpuhl, D.W. A 13000 transistor NMOS microprocessor 1-32312
- Olsen, R.E., Mockovciak, J., Jr. Operational factors affecting microgravity levels in orbit 1-52832
- Olsen, R.G., Daffe, J. On the origin, significance, and minimization of nonuniform contamination along HVDC insulator strings 1-30785
- Olsen, R.L. *see* Hendry, A. 1-46901
- Olsen, R.L. *see* Kheirallah, H.N. 1-28884
- Olsen, T.O. *see* Suh, S.I. 1-53845
- Olshansky, R. *see* Manning, J.S. 1-46731
- Olshausen, R. *see* von Olshausen, R.
- Olson, C.L., Woodworth, J.R., Frost, C.A., Gerber, R.A. The IFA-2 collective accelerator 1-48295
- Olson, C.W., Paterson, J.M., Pellegrin, J.-L., Rees, J.R. Operation of the PEP transverse beam feedback 1-42948
- Olson, D.H. *see* Jackel, J.L. 1-36939, 1-51174
- Olson, G.L., Kokorowski, S.A., McFarlane, R.A., Hess, L.D. Direct observation of laser-induced solid phase epitaxial crystallization by time-resolved optical reflectivity 1-27111
- Olson, H. *see* Dal Porto, J. 1-44721
- Olson, R.A., Sarka, B., Jr., Garscadden, A., Bletzinger, P. Closed-cycle annular-flow-return laser 1-46692
- Olson, R.L. *see* Werhane, J.A. 1-30841
- Olson, W. *see* Kao, R. 1-52793
- Olson, W. *see* Mark, R.G. 1-52781
- Olson, W. *see* Schluter, P. 1-48729
- Olsson, A., Tang, C.L. Injected-carrier induced refractive-index change in semiconductor lasers 1-46727
- Olsson, A., Tang, C.L. Coherent optical interference effects in external-cavity semiconductor lasers 1-51456
- Olsson, N. A 100 picosecond post-acceleration bunching system at the Stadsvik 6 MV Van de Graaff accelerator 1-52633
- Olsson, P. *see* Bostrom, A. 1-41276
- Oliszewski, R. *see* Korek, M. 1-41863
- Oltsman, H.G., Huebner, D.A. Electromagnetically coupled microstrip dipoles 1-29009
- Oltsman, H.G., Leach, H.A. A dual four-port for automatic network analysis 1-48027
- Olver, A.D. *see* Clarricoats, P.J.B. 1-47051
- Olver, P.J. *see* Ball, J.M. 1-45042
- Olwegard, A., Walve, K., Waglund, G., Frank, H., Torseng, S. Improvement of transmission capacity by thyristor controlled reactive power 1-48958
- Om, A.E. *see* Gol'dort, V.G. 1-37188
- Om Vats Hari *see* Hari Om Vats
- Omata, K. *see* Katayama, T. 1-48382
- Omatsu, K. *see* Morita, Y. 1-30566
- Omatu, S., Soeda, T. Optimal filter based on the mutual information 1-37579
- Omel'chenko, V.A., Matevitskii, E.O. Identification of signals from a spectrum with the aid of analysers of the parallel and quasi-parallel type. V. Identification of signals from frequency-time characteristics of the spectrum 1-37527
- Omel'chenko, V.A., Murav'ev, B.N. Estimation of errors of spectral analysis of single signals 1-37528
- Omel'yanenko, M.Yu. *see* Gassanov, L.G. 1-46343
- Omel'yanovskii, E.M. *see* Plitnikas, A. 1-36484
- Omine, M. *see* Yasunaga, S. 1-44552
- Omini, M., Iazzi, F., Rastaldo, A., Turco, C. Potentiometric nondestructive testing of surface-hardened materials 1-45145
- Ominsky, M. Human factors in the development of a family of plant data communication terminals 1-51967
- Omori, S. *see* Nakane, H. 1-51656
- Omori, T. *see* Kishii, T. 1-43388
- Omote, K. *see* Nakahira, M. 1-28450
- Omura, A. MELFLEX: supervisory-control and data-acquisition systems 1-52414
- Omura, J.K., Kozlowski, K. Nonlinear smoothing using finite state models and the Viterbi algorithm 1-33674
- Omura, J.K. *see* Benedetto, S. 1-47633
- Omura, J.K. *see* Divsalar, D. 1-33526
- Omura, J.K. *see* Tsou-Chiang Huang 1-37877
- Omura, K. *see* Fukushima, M. 1-43362
- Omura, Y., Ohwada, K. Threshold and subthreshold characteristics theory for a very small buried-channel MOSFET using a majority-carrier distribution model 1-36634
- Omura, Y. *see* Ohwada, K. 1-50936
- On-Ching Yue *see* Eng, K.Y. 1-47098
- Onaga, K., Chan, S.P. Blocking systems of a graph and bottleneck problems involving sets and fuzzy sets 1-31988
- Onda, K. *see* Aoki, Y. 1-33649
- Ondera, J. Switching of thyristors by means of power transistors in self-commutated convertors 1-31311
- Ondris, M. *see* Den Boer, W. 1-44375
- O'Neal, J.Ben, Jr. *see* Ben O'Neal, J., Jr.
- O'Neal, M.L. *see* Shope, L.A. 1-38572
- O'Neil, G.E. High frequency filter and trap 1-50541
- O'Neil, V.P., II Using integrated detector/pre-amplifiers in fiber optics systems 1-29741
- O'Neill, C.J., Downs, T., Khan, P.J. Formulation of electric-field integral equation without use of differential operator 1-51554
- O'Neill, F. *see* Edwards, C.B. 1-41044
- O'Neill, J. Sharpening the focus on safety 1-26891
- O'Neill, J.F. Modern telephone echo control devices 1-33903
- O'Neill, K.P. *see* Arlett, P.L. 1-43743
- O'Neill, L.A. Designer's Workbench: philosophy 1-27210
- O'Neill, R.P. *see* Greenberg, H.J. 1-44983
- O'Neill, T.G. Microelectronics for 1981 1-32514
- Onerud, K., Wolpert, T. Primary switched power supplies with ferroresonant stabilization 1-39926
- Ong, C.M., Hamzei-nejad, A. A general-purpose multiterminal DC load-flow 1-43644
- Ong, C.M. *see* Carroll, D.P. 1-30704, 1-38730
- Ong, S. *see* Atkins, D.E. 1-45421
- Oni, B., Graham, H., Walker, L. Investigation of nonlinear tie line bias control of interconnected power systems 1-43524
- Onishchenko, A.M., Tsvetkov, A.A. Load dependence of dead time of halide Geiger counters 1-52731
- Onishi, S., Eschwei, M., Wang, W.C. Transparent and highly oriented ZnO films grown at low temperature by sputtering with a modified sputter gun 1-32076
- Onizuka, N. *see* Ohno, Y. 1-45406
- Ono, K., Kumasaka, K. Semihard magnetic alloys based on the Fe-Mn system for latching relays 1-32470
- Ono, K., Sawa, S. Design considerations for tapered optical slab waveguides 1-40921
- Ono, K., Urano, Y., Suzuki, K., Obana, S. Protocol Converter 1-41971
- Ono, K. *see* Sawa, S. 1-36891
- Ono, K. *see* Yamaguchi, T. 1-37236
- Ono, M., Baylies, W. The sidewall defect inspection device 1-44741
- Ono, M. *see* Hirata, H. 1-43455
- Ono, M. *see* Imai, Y. 1-52335
- Ono, N. *see* Miura, T. 1-34135
- Ono, S. Consumer switches keeping pace with technological developments 1-40272
- Ono, S. *see* Yamaguchi, M. 1-31289, 1-39036
- Ono, Y., Nagata, S., Shirai, K., Sato, H. Research on cathode materials for high-temperature solid electrolyte fuel cells 1-39113
- Ono, Y. *see* Kurata, K. 1-28595
- Ono, Y. *see* Yasunaga, S. 1-44552
- Onoda, M. *see* Seki, H. 1-45227
- Onodera, H., Awai, I., Nakajima, M., Ikenoue, J. Experiment on light intensity modulation based on guided-to-radiation mode coupling in hetero-structure thin film waveguide 1-46581
- Onodera, H., Nakajima, M., Awai, I., Ikenoue, J. Analysis of a high-efficiency light modulator by use of guided-to-radiation mode coupling 1-40969
- Onodera, H. *see* Nakajima, M. 1-51213
- Onodera, H. *see* Nishida, M. 1-50938
- Onodera, R. *see* Saisyu, K. 1-45161
- Onodera, R. *see* Sato, K. 1-50392
- Onodera, T., Masuda, Y., Nakajima, A. High-efficiency switching regulator using sub class E switching mode 1-44227
- Onodera, Y. *see* Momose, T. 1-36854
- Onoe, M. A fast algorithm for processing synthetic aperture radar signal without data transposition 1-47223
- Onoe, M. *see* Kaneko, M. 1-41796
- Onoprich, O.K., Odegova, E.I. Checking AC meters for voltage level 1-34349
- Onose, H. Asymptotic behavior of nonoscillatory solutions of a higher order functional differential equation 1-50080
- Onoye, H. *see* Kitamura, M. 1-34151
- Onozawa, T. *see* Tani, C. 1-46587
- Onufriev, V.P. *see* Lagutin, M.F. 1-37405
- Onufry, M. *see* Suyderhoud, H.G. 1-47162
- Onuki, K. *see* Shimoda, Y. 1-27633
- Onuki, M. *see* Takeda, H. 1-33761
- Onuma, Y. *see* Han, M.-K. 1-49682
- Onusich, H., Douglas, R.A. Determination of distribution temperatures of incandescent sources obtained from the visible spectrum 1-52598
- Ooi, B.T. Phase modulation theory of electromechanical damping in synchronous generators 1-44062
- Ooi, B.T., Menemenlis, N., Nakra, H.L. Fast steady-state solution for HVDC analysis 1-34844
- Ooi, B.T. *see* Sartawi, M.M. 1-53407
- Ooi, T., Morita, K. Estimation formula for Rayleigh fading and equivalent Rayleigh fading occurrence probabilities 1-28911
- Ooi, T. *see* Izumi, K. 1-51912
- Ooishi, A., Mizugaki, S., Takeda, Y., Sasaki, A. 1.5  $\mu$ m oscillation and temperature dependence of threshold current of AlGaAsSb/GaSb DH laser 1-41101
- Oooki, H. *see* Kojima, C. 1-46807
- Ookubo, K., Kurokawa, M., Nagano, T. Inductive interference on signalling and telecommunication cables caused by electric railway 1-28933
- Ookubo, K. *see* Sugai, T. 1-29977
- Ookubo, K. *see* Yamazaki, N. 1-30037
- Ookubo, M. *see* Yoshizawa, A. 1-29639
- Oommen, D. *see* Sastry, V.V. 1-49563
- Oomura, E., Higuchi, H., Hirano, R., Namizaki, H., Murotani, T., Susaki, W., Shira-hata, K. InGaAsP/InP buried crescent laser diode ( $\lambda = 1.3 \mu$ m) with very low threshold current and fundamental transverse mode [optical communications applications] 1-41111
- Oomura, E., Murotani, T., Higuchi, H., Namizaki, H., Susaki, W. Low threshold InGaAsP/InP buried crescent laser with double current confinement structure 1-37110
- Oomura, E., Murotani, T., Ishii, M., Susaki, W. Characteristics of narrow stripe geometry InGaAsP/InP laser diode 1-33245
- Onishi, K. *see* Sakurai, T. 1-39073, 1-44200
- Oono, Y. Pseudo-positive-real functions 1-50362
- Oonuma, H. *see* Nagashima, Y. 1-28120
- Oosenbrug, A. *see* Broom, R.F. 1-28351, 1-51107
- Oosenbrug, A. *see* Daetwyler, K. 1-28346
- Ooshio, A. *see* Ihara, S. 1-38103
- Oosterhoudt, P. *see* van Oosterhoudt, P.
- Oosterlinck, A. *see* Suetens, P. 1-45032
- Oosterlink, A. *see* De Roo, J. 1-37645
- Oosting, H. *see* Hart, G.A.M. 1-44844
- Oostrijck, L.J. *see* De Vries, W. 1-42929
- Oostvoorn, F. *see* van Oostvoorn, F.
- Oota, I. *see* Inoue, T. 1-32154
- Ootake, A. *see* Yoshizawa, A. 1-29639
- Oouchi, K. *see* Ihara, S. 1-38103
- Opalski, L.J. *see* Styblinski, M.A. 1-45189
- Opat, G.I. *see* Klein, A.G. 1-34412
- Opittek, E.W. *see* Weber, J.W. 1-52904
- Opitz, C. *see* Opitz, R. 1-31569
- Opitz, R., Fuhrmann, H., Stoll, H.-J., Richter, H., Beulich, K., Opitz, C., Enseleit, E., Hahn, H., Fechner, G., Apel, W. New protection and remote signalling installations at the Seddin railway junction 1-31569
- Oplatka, G. Improved operating characteristic of dry cooling towers by partial precooling of the air 1-49248
- Oppenheim, A.V., Hayes, M.H., Lim, J.S. Iterative procedures for signal reconstruction from phase 1-29222
- Oppenheim, A.V., Lim, J.S. The importance of phase in signals 1-33623
- Oppenheim, A.V. *see* Nawab, H. 1-41769
- Oppenheim, I.F. *see* Octavio, M. 1-28362
- Oppenheim, R.F. *see* Seely, M.L. 1-43165
- Oppermann, W. LF performance—as required [automobile HiFi radio unit] 1-47551
- Oppermann, W., Crostack, H.A. The influence of spectral distribution of ultrasonic pulses on the evaluation of defects using the DGS method 1-45137
- Oppimiti, G. *see* Borgheresi, E. 1-52928
- Oprisiu, N. *see* Canciu, L. 1-49450
- Optenhovel, B. End-station engineering. Terminal conductors—connector elements in electronics 1-40282
- Opuchlik, J.M. Three-layer low frequency hybrid electrothermal filter 1-32332
- Opydo, W. *see* Kuffel, E. 1-46346
- O'Quinn, D.B. *see* Fernelius, N.C. 1-40878
- Oraby, A.H., Murakami, K., Yuba, Y., Gamo, K., Namba, S., Masuda, Y. Laser annealing of ohmic contacts on GaAs 1-32697
- Oraevskii, A.N. *see* Bashkin, A.S. 1-28661
- Oravec, J. *see* Kvetan, K. 1-30315
- Orazio, F., Jr. *see* Stowell, W.K. 1-51495
- Orban, J. TWACS<sup>R</sup>—the viability of 60 Hz power line communication 1-53047
- Orbell, A.G. Digital transmission in the local network 1-41884
- Orchard, W.R.H., Robinson, P.J. Combined heat and power—the economic advantages of low temperature direct connection systems and their compatibility with existing installations 1-49266
- Ortega, J. *see* Falecki, Z. 1-31829
- Order, C.I. *see* Krishnasamy, S.G. 1-43732
- Ordonez, J. *see* Levine, E. 1-46276
- Ordung, P.F. An overview of the theory and operation, fabrication, and application of charge-coupled devices 1-32838
- Ordyn'tsev, V.M. Correction of data from an analogue-to-digital converter obtained by digit-by-digit weighing 1-40194
- O'Reagan, J.R. *see* Thacker, J.G. 1-30398
- Orefice, C. *see* Lupi, S. 1-41180
- Orefice, M. *see* Daniele, V. 1-51751
- Orel, A. *see* Irsic, A. 1-37398
- Orel, L.I. *see* Shul'ts, L.A. 1-49280

- Orel, O.A.** A method of experimentally determining the resistance of an electricity supply system 1-34755
- Orelovich, L.S.** Some results of analysis of combined electro-transmission 1-49027
- Oren, S.S.** *see* Smith, S.A. 1-31905
- Oren, Y.** *see* Botner, O. 1-34444
- Oren, Y.** *see* Cockerill, D. 1-43233
- Orenstein, A.** *see* Dagan, J. 1-34624
- Orenstein, J.** Kastner, M. Photocurrent transient spectroscopy: measurement of the density of localized states in a-As<sub>2</sub>Se<sub>3</sub> 1-40426
- Orfanidis, S.J., Marshall, T.G.** Two-dimensional transforms of the sampled National Television Systems Committee (NTSC) color video signal 1-47240
- Orfeuil, M.** *see* Michel, P. 1-31697
- Orford, G.R., Abbott, N.P.** Some recent measurement of linearity of thermistor power meters [used in calibration systems] 1-42719
- Orgega, C.J.** *see* Yasillo, N.J. 1-34588
- Orham, E.L.** *see* Bradley, L.P. 1-36724
- Orifice, D.** *see* Lee, G. 1-30749
- Orifice, D.** *see* McCourt, J.W. 1-34960
- Orihara, H.** *see* Ishii, K. 1-48324
- Orihara, S.** *see* Majima, T. 1-46452
- Orihara, S.** *see* Yanase, T. 1-46453
- O'Riordan, P.** *see* Slattery, G.F. 1-45134
- Orlandi, G.** *see* Cascio, F. 1-42012
- Orlandi, G.** *see* Martinelli, G. 1-41627
- Orlewicz, B.** Application of thermovision to reliability investigations of electronic elements and electronic appliances for domestic use 1-26965
- Orlin, J.B.** *see* Karp, R.M. 1-26999
- Orlov, A.K.** *see* Bocharov, V.I. 1-49486
- Orlov, A.Ya.** *see* Zykina, A.L. 1-43919
- Orlov, B.M.** *see* Losev, V.V. 1-33143
- Orlov, E.P.** *see* Zuev, V.S. 1-51370
- Orlov, G.N., Dyatlov, A.P.** The noise immunity of a correlator in a system with a delayed LFM signal 1-47090
- Orlov, M.A.** *see* Bakanovich, E.A. 1-36310
- Orlov, S.B.** Investigation of measurement redundancy in calibrating heat lamps 1-53765
- Orlov, S.I.** A frequency doubler based on a varactor with an abrupt junction 1-40196
- Orlov, V.A.** *see* Denisov, Yu.V. 1-37204
- Orlov, V.B.** *see* Zaitsev, V.V. 1-50904
- Orlov, V.I.** *see* Belov, P.V. 1-37534
- Orlov, V.K.** *see* Borisov, B.N. 1-33281
- Orlov, V.K.** *see* Kashnikov, G.N. 1-28655
- Orlov, V.S.** *see* Bragin, A.A. 1-45589
- Orlova, G.A.** *see* Gulyaev, Yu.V. 1-36739
- Orlova, G.S.** *see* Bokov, S.S. 1-52586
- Orlowski, W.** *see* Glaser, H. 1-31659
- Orlowski, Z.** *see* Lesniewski, J. 1-53262
- Ormond, D.W.** Method of manufacturing dielectrically isolated regions of silicon utilizing high pressure steam 1-27903
- Ormond, R.** *see* Minagawa, S. 1-35947
- Ormond, R.** *see* Nissim, Y.I. 1-27921
- Ormond, R.D.** *see* Magee, T.J. 1-32629
- Ormond, T.** Wavelength multiplex, demultiplex devices emerge from fiber-optic research 1-29745
- Ormond, T.** Fiber-optic components 1-47669
- Ormod, J.H.** Overview of superconducting cyclotron projects 1-42791
- Ormod, J.H., Chan, K.C., Hill, J.H.** Initial field measurements on the Chalk River superconducting cyclotron 1-42859
- Ornatskii, I.A.** *see* Nizhenskii, A.D. 1-45576
- Ornellas, S.De** *see* De Ornellas, S.
- Orobets, Yu.N.** *see* Petunin, Yu.I. 1-39390
- Oron, M.** *see* Eger, D. 1-27852
- Orr, J.A., West, D.J.** A system for automatic location and outlining of the coronary left ventricle 1-43330
- Orr, J.R.** Status of the Fermilab energy saver-doubler dipole 1-38323
- Orr, T.** Electronics in musical instruments 1-38045
- Orr, T.** Disco mixer 1-52285
- Orr, T.** Discomixer. II 1-52287
- Orr, T.** *see* Monkhouse, R. 1-41615
- Orr, W.C.** *see* Sauerland, E.K. 1-48714
- Orshanskii, I.S.** *see* Grachyeva, I.V. 1-35392
- Orszag, A.** *see* Migus, A. 1-28678
- Orta, R.** Satellite broadcasting: TV experiments with the OTS satellite 1-29837
- Ortale, C.** *see* Dabrowski, A.J. 1-34449
- Ortega, J.M.** *see* Deacon, D.A.G. 1-46661
- Ortigies, H., Wong, H.P.** Naval solid-state frequency changing family development 1-49576
- Orthel, J.L.** *see* Guiragossian, Z.G.T. 1-43048, 1-48408
- Ortiz, C.** *see* Bjorklund, G.C. 1-28420
- Ortiz, C.** *see* Briones, F. 1-37014
- Ortiz, C.** *see* Heitmann, D. 1-40901
- Ortiz, L.** *see* Rodriguez, G. 1-47239
- Ortler, G.** Mechanical design of a switching type DC power supply 1-36075
- Ortler, G.** Bipolar transistors in the inverse mode 1-50913
- Ortler, G.** Parallel connected transistors in the inverse mode 1-50914
- Ortmeyer, T.H.** *see* Mahmoud, A.A. 1-43617
- Orton, C.G.** *see* Reinstein, L.E. 1-34634
- Orton, D.A.** *see* Ayala, I.L. 1-37971
- Orton, R.S.** Structural simplification in applications of wire antenna modelling by moment methods 1-41310
- Ortosecco, I.** *see* Cavaliere, S. 1-45524
- Orvis, A.L.** *see* Kinsey, J.H. 1-38491
- Orza, T.** *see* Ijac, Gh. 1-49451
- Orzechowski, T., Tokarski, M.** Application of the accumulative adder in the analogue-to-digital converters with balance compensation 1-45590
- Orzeszko, S.** The optimization of the traction current generation at the German Federal Railway (DB) 1-49737
- Osada, M., Ochi, S., Igarashi, T., Amano, Y., Fukui, A., Ikeda, S., Ueda, N.** Ag-SnO<sub>2</sub>-In<sub>2</sub>O<sub>3</sub> alloy and its properties as electric contacts 1-36375
- Osada, M.** *see* Kishii, T. 1-43388
- Osadchii, A.I.** *see* Stognii, B.S. 1-49541
- Osadchii, E.P.** *see* Goncharuk, E.S. 1-44029
- Osaka, F.** *see* Shirai, T. 1-46632
- Osaka, Y.** *see* Hamasaki, T. 1-39817
- Osaka, Y.** *see* Hirose, M. 1-45105
- Osaka, Y.** *see* Mishima, Y. 1-27983
- Osaki, S.** *see* Kaio, N. 1-35682, 1-49967
- Osaki, S.** *see* Yamada, S. 1-44754
- Osawa, T.** *see* Kitani, Y. 1-42105
- Osawa, T.** *see* Oguchi, K. 1-49571
- Osborn, J.** *see* Mercier, B. 1-39701
- Osborn, M.L.** *see* Washko, S.D. 1-40819
- Osborne, I.F.** *see* Bugley, F.L. 1-50968
- Osborne, J.M.** Television for no-signal areas 1-29882
- Osborne, T.G.** *see* McDuffee, F.T. 1-36943
- Osbourne, G.C.** *see* Kiehl, R.A. 1-46146
- Osburg, G.** Hi-Fi power output stage 1-32197
- Osder, S.** DC-9-80 digital flight guidance system monitoring techniques 1-34664
- Ose, K.** For the time being—irreplaceable. Silver as contact material 1-32456
- Osgood, R.M.** *see* Ehrlich, D.J. 1-46067
- Osgood, R.M., Jr.** *see* Deutsch, T.F. 1-31443
- Osher, S.** Nonlinear singular perturbation problems and one sided difference schemes 1-32038
- Osher, S.** *see* Engquist, B. 1-39698
- Oshima, M.** Optical spectroscopy in reactive sputter etching and its application to process control 1-32768
- Oshima, M.** Use of mass spectra for end point detection in etching SiO<sub>2</sub> films on Si 1-46073
- Oshima, M.** *see* Yabumoto, N. 1-40519
- Oshima, T.** *see* Jonckheere, A. 1-30300
- Oshima, Y.** *see* Akiyama, N. 1-50866
- Oshima, Y.** *see* Koizumi, M. 1-50990
- Oshime, F.** *see* Okada, F. 1-40822
- Oshitani, S.** *see* Ueda, T. 1-31204
- Osiko, V.V.** *see* Dorosh, I.R. 1-46811
- Osinski, M.** Properties of transverse modes in the Epstein-layer model of broad-contact heterojunction lasers 1-51447
- Osipik, V.A.** *see* Fedoseev, V.I. 1-47999
- Osipov, I.V.** New series of electric furnaces and units for general industrial application 1-31673
- Osipov, N.I.** *see* Fialkov, A.S. 1-43190
- Osipov, V.G.** *see* Shvartsman, V.O. 1-37788
- Osipov, V.V.** *see* Kreslo, E.A. 1-40163
- Osipov, Yu.M.** *see* Svecharnik, D.V. 1-48149
- Osipov, Yu.V.** *see* Dalinenko, N.K. 1-41173
- Oskaynak, I.** Electronic ignition keeps spark energy during 'start' 'idle' and 'drive' 1-39184
- Oskrdal, K., Vondra, V.** Rational determination of the geodetic elevation of pumping stations at their intake end in cooling systems of thermal electric power stations 1-30961
- Oslo, A.B.** Neutral earthing as a means of ensuring electrical safety 1-49159
- Osman, W.** *see* Mokhtar, S. 1-36857
- Os'minin, A.E.** An algorithm for optimal selection of channel capacities for data transmission in an automated system for planning computations (ASPC) 1-47304
- Osmundsen, K.** Oslo's new telex exchange: planning 1-47347
- Osowski, S.** Active R realization of N-port networks 1-50559
- Osowski, S., Osowski, S.** Voltage transfer function realization—flow graph approach 1-36052
- Osowski, S.** *see* Osowski, S. 1-36052
- Ossakow, S.L.** *see* Huba, J.D. 1-46878
- Ossenbrink, H.** *see* Lettau, H. 1-38456
- Ossipyan, Yu.A.** Dislocation microwave electrical conductivity of semiconductors and electron-dislocation spectrum 1-50752
- Oswald, G.** Resistance measurement with DVM 1-52560
- Ostanin, V.A.** *see* Bogdanovitch, B.U. 1-48467
- Ostapenko, A.G.** Engineering calculation of the signal-to-noise ratio at the output of radio circuits 1-42163
- Ostapenko, V.V.** Nonautonomous differential game of escape 1-50116
- Ostapko, D.L.** *see* Se June Hong 1-33799
- Ostapovskii, L.M.** *see* Budarnykh, V.I. 1-27106
- Ostashev, V.E.** One representation of the solution of a wave equation 1-51585
- Oster, T.N.** *see* Wheat, C.G. 1-30525
- Osteraas, J.D.** *see* Peyrot, A.H. 1-43735
- Osterfield, J.R., McIntosh, D.N., Castelli, R., Norman, S.R., Rogers, A.J., Tamburello, M.** An optical fibre link in a mountainous environment 1-33984
- Ostergaard, J.** New system for emergency transmitters 1-33939
- Ostergren, C., Biskeborn, R.** Conduction cooling structure for solder-bonded semiconductor devices 1-27905
- Ostergren, C.D.** *see* Masuria, M.S. 1-50014
- Osterling, L.E.** *see* Heiblum, M. 1-36516
- Ostermayer, F.W., Jr., Kohl, P.A.** Photoelectrochemical etching of p-GaAs 1-50876
- Ostertag, H., Kubler, W., Kubesch, R., Lorenz, W.J.** A linear whole-body scanner for quantitative positron imaging 1-34587
- Ostiguy, J.F.** *see* St-Jean, G. 1-30814
- Ostiguy, J.F.** *see* St-Jean, G. 1-38820
- Ostojia, P.** *see* Armigliato, A. 1-40986
- Ostreiko, V.N., Chernikov, Yu.L.** An experimental study of EM parameters of current-carrying strip-steel coils 1-44145
- Ostrem, J.S., Falconer, D.G.** A differential operator technique for restoring degraded signals and images 1-37509
- Ostritskii, A.S.** *see* Voloshina, V.I. 1-36009
- Ostroukhov, N.N.** *see* Belkov, P.V. 1-37081
- Ostrovskaya, V.M.** *see* Medvedeva, R.L. 1-43886
- Ostrovskii, M.Ya.** *see* Dmitriyov, V.F. 1-44220
- Ostrow, H.** *see* Husain-Abidi, A.S. 1-52394
- Ostrowsky, D.B.** *see* Vanneste, C. 1-40852
- Ostvath, L.** *see* Gyorfi, Z. 1-38512
- Ostwald, O., Schiek, B.** Network analysis by phase-modulated homodyne detection 1-45166
- Ostwald, O.** *see* Chaloupka, H. 1-48259
- Ostwald, R.** Nickel-phosphorous thin-film resistors 1-27717
- O'Sullivan, D., Thompson, A.** The observation of a sensitivity dependence on temperature during registration in solid state nuclear track detectors 1-48637
- O'Sullivan, D.** *see* Capel, A. 1-52915
- Osvenskii, V.B.** *see* Vdovin, V.I. 1-32690
- Osvensky, V.B.** *see* Mil'vidsky, M.G. 1-35936
- Oswald, E.** *see* Muller, R. 1-42060
- Oswald, J.** Frequency code modulation 1-47109
- Oswald, R.** Programmable calibration generator speeds instrument checkout 1-52361
- Oswald, R.A.** *see* Benton, E.V. 1-52821
- Oswald, R.D.** Modern vacuum systems for colour picture tube processing 1-32581
- Oswald, R.K.** *see* Gindi, A.M. 1-40794
- Oswald, R.S.** Electronics in vehicle instrumentation 1-31627
- Oswaldo-Cruz, E.** *see* Zin, W.A. 1-43338
- Osyay, A.T.** Measuring outfits for diagnosing the condition of electrical equipment 1-53728
- Ota, K.** *see* Tani, C. 1-46587
- Ota, M.** *see* Lio, K. 1-44514
- Otani, S.** *see* Murakami, S. 1-47608
- Otazo, J.J., Tung, E.W., Parenti, R.R.** Digital filters for infrared target acquisition sensors 1-48807
- Otchalko, V.F., Shtarev, N.N., Lyapin, N.N.** Formers for quadrature components of a signal with phase doubling 1-36299
- Ote, Y.** *see* Fujita, F. 1-31572
- Otesteanu, M., Popa, M., Jivet, I.** An algorithm and programme for the determination of the relative measurement error of watt-hour meters 1-30170
- Othmer, E., Vannier, M.W., Othmer, S.C., Fishman, P.M.** Pattern recognition in sleep research 1-30465
- Othmer, F.E.** A new look at the Viterbi algorithm and trellises 1-33472
- Othmer, S.C.** *see* Othmer, E. 1-30465
- Otis, D.R.** *see* Palmgren, D. 1-31154
- Otobe, T.** *see* Kojima, C. 1-46807
- Otobe, T.** *see* Komatsu, Y. 1-45326
- Otomo, S.** *see* Shiiki, K. 1-46390
- O'Toole, J.E., Kull, M., Spohnheimer, J.V.** A high speed 16Kx1 NMOS static RAM 1-32292
- O'Toole, R.K., Stark, H.** A comparative study of texture discrimination using an optical-digital computer versus all-digital methods 1-47255
- Otreba, L.** A modified statistical method for model identification of interconnected power systems 1-48932
- Otsu, Y., Shiomi, T., Kawaguchi, N., Hashimoto, K., Tsukamoto, K.** Antenna pattern measurement of an in-orbit satellite 1-29018
- Otsu, Y.** *see* Fukuchi, H. 1-46906
- Otsubu, M.** *see* Mitsui, Y. 1-28021
- Otsuka, H.** *see* Takasu, S.I. 1-40489
- Otsuka, K., Tarucha, S.** Theoretical studies on injection locking and injection-induced modulation of laser diodes 1-51503
- Otsuka, K., Usami, T.** Ultrasonic wire bonding technology for custom LSI's with large number of pins 1-45848
- Otsuka, K.** *see* Tarucha, S. 1-37137
- Otsuka, S.** *see* Fujita, F. 1-31572
- Ott, A.H.** *see* Spencer, P.A. 1-42564
- Ott, G.** The PTC thermistor as heating element 1-45712
- Ott, G.** *see* Hofmann, H. 1-38681
- Ott, R.H.** Fading statistics on a 23 km link at 9.6 and 28.6 GHz 1-51621

- Ott, W.B., Tutt, W.E. Control circuit bypassing some flexible diskette controller functions 1-36823
- Ottaviani, G. *see* Chu, W.K. 1-50824
- Ottaviani, G. *see* Jacoboni, C. 1-50766
- Ottaviano, A. *see* Bordoni, F. 1-45305
- Otte, H.-O. Two-wave direction finder for azimuth and elevation 1-47749
- Otten, T.H. *see* Watkins, J.W. 1-42443
- Otten, W.G. *see* Tanton, G.A. 1-46893
- Otterloo, J.D. *see* Van den Otterloo, J.D.
- Ottevangers, J.H. *see* Douglas, D.H. 1-49536
- Ottl, H. *see* Gruner, K. 1-29720
- Otto, H., Dillmann, P., Knauth, P., Rutenfranz, J. A portable digital data store with high resolution for body temperatures 1-34559
- Otto, J. *see* Crichton, G. 1-40659
- Otto, M.Sh. *see* Alekseev, G.A. 1-44540
- Otto, R.G., Kemp, D.D., Hilsenrath, M., Golosoman, B.S. Space surveillance target processor (S3P) for background suppression and target detection with a staring mosaic sensor 1-41693
- Ottonello, P. *see* Basano, L. 1-44611
- Otvos, J.W. *see* Mettee, H. 1-41017
- Otyпка, J. Determination of the conductivity of the resistance strip using Green's function 1-37336
- Ottinger, B.M. *see* Barnett, L.W. 1-31436
- Ouamri, A. *see* Picinbono, B. 1-34013
- Ouchi, A. *see* Nomoto, O. 1-46949
- Oudar, J.L. *see* Chémala, D. 1-33016
- Ouden, J.A.A. *see* Den den Ouden, J.A.A.
- Ouden, W. *see* den Ouden, W.
- Oudjehane, N. *see* Haydar, A. 1-37004
- Ouellette, P.J. *see* Gubier, E.A. 1-45835
- Oughstun, K.E. *see* Anafi, D. 1-41112
- Oura, N., Kuramochi, N., Matsuda, I., Kono, H., Fukuyo, H. Effect of the worked layer in quartz-crystal plates on their frequency stabilities 1-46357
- Ourmazd, A. A theoretical interpretation of the electrical behaviour of individual edge dislocations in Si as determined by combined EBIC/TEM studies 1-50750
- Ousley, G.W. Overview of the Magsat program 1-34696
- Oustaloup, A. Linear feedback control systems of fractional order between 1 and 2 1-50557
- Oustaloup, A., Ben Hafsia, M. Active fractional order filters of arbitrary type and interest of their incorporation in feedback control systems 1-27506
- Oustry, A., Caumont, M., Escaut, A., Martinez, A., Toprasertpong, B. Interaction of evaporated palladium thin films with gallium arsenide 1-40457
- Ouyang, M.S. *see* Wu, S.M. 1-53223
- Ovchar, V.G., Sotnikov, I.A., Aizen, Kh.K., Petrov, E.V. Development of design of steam boiler for a 500 MW generating unit 1-31030
- Ovcharenko, A.I. Digital meters of pulse-sequence time parameters 1-38228
- Ovcharenko, A.I. *see* Kuleshov, V.N. 1-36150
- Ovchinnikov, B.M. *see* Barabash, A.S. 1-30320, 1-52669
- Ovchinnikov, M.F. *see* Ado, Yu.M. 1-48574
- Ovechkin, L.B., Pustyl'nik, Yu.M., Afanas'ev, Yu.A., Pilunskii, N.P. Automatic monitoring of errors measuring scale 1-52320
- Ovechkin, N.F. *see* Alimov, A.K. 1-30472
- Overchuk, V.I. *see* Tsaryuk, A.K. 1-49835
- Overfield, P.M. Circuit analysis with the TI 59 [calculator programs] 1-36043
- Overhof, H., Beyer, W. A model for the electronic transport in hydrogenated amorphous silicon 1-32663
- Overington, M. *see* Boillot, J. 1-42921
- Overs, M.P. *see* Hamdy, M.M. 1-39388
- Overstraeten, R.J. *see* Van Overstraeten, R.J.
- Overton, J.M. Determining stock levels from system component failure and repair rates 1-44635
- Overton, M.L. *see* Golub, G.H. 1-39671
- Ovies, H. *see* Floyd, R.E. 1-34194
- Ovren, C. *see* Grimmeiss, H.G. 1-50816
- Ovshinsky, S.R. *see* Madan, A. 1-35373
- Ovsyannikov, G.A. *see* Gubankov, V.N. 1-28315
- Ovsyannikov, V.A. *see* Galiakberov, D.Sh. 1-36998
- Ovyayn, P.P. *see* Mishnaevskii, P.A. 1-33059
- Owczarska, M. Parasitic phenomena in induction motors 1-53437
- Owen, B. *see* Ogawa, K. 1-52485
- Owen, C. *see* Ankenbrandt, C. 1-48573
- Owen, C. *see* Moore, C. 1-48368
- Owen, C.W., Brown, B.C., Crawford, J., Garvey, J., Gerzevske, H., Lackey, J., Meisner, K., Rice, R. Status of efforts to improve the transverse properties of the Fermilab Booster 1-48346
- Owen, D., Ramsay, A. An interactive environment for distributed computing 1-37760
- Owen, E.W. The double dual-slope multiplier: elimination of offset 1-45584
- Owen, E.W., Tabrizi, M. Fourth order oscillators with independently adjustable frequency, amplitude, and transient response 1-36143
- Owen, G. *see* Bugely, F.L. 1-50968
- Owen, H.A., Jr. *see* Thottuvell, V.J. 1-53548
- Owen, H.A., Jr. *see* Wong, R.C. 1-53542
- Owen, J. *see* Rino, C.L. 1-28912
- Owen, J.F., Barber, P.W., Messinger, B.J., Chang, R.K. Determination of optical-fiber diameter from resonances in the elastic scattering spectrum 1-36881
- Owen, J.F., Dorain, P.B., Kobayasi, T. Excited-state absorption in  $\text{Eu}^{+2}:\text{CaF}_2$  and  $\text{Ce}^{+3}:\text{YAG}$  single crystals at 298 and 77K 1-41071
- Owen, L.B. *see* Cash, T.W. 1-42317
- Owen, R.B. Gas-laser behavior in a low-gravity environment 1-46777
- Owen, R.E., Vincent, W.R., Blair, W.E. Measurement of impulsive noise on electric distribution systems 1-34870
- Owen, R.E. *see* McGranaghan, M.F. 1-43667
- Owen, S.J.T. *see* Yang, K.W. 1-41025
- Owen, W. *see* Drori, J. 1-28127
- Owen, W.H. *see* Drori, J. 1-27384
- Owens, A.D. *see* Virgil, G.R. 1-43940
- Owens, J., Gaunt, D. Switch status transfer from hazardous to safe areas 1-39347
- Owens, J.M., Carter, R.L., Smith, C.V., Jr., Collins, J.H. Magnetostatic waves, microwave SAW? 1-36829
- Owens, J.M., Carter, R.L., Smith, C.V., Jr., Hasnain, G. A 3-port model for magnetostatic wave transducers 1-36834
- Owens, J.M. *see* Brinlee, W.R. 1-46435
- Owens, J.M. *see* Carter, R.L. 1-46438
- Owens, J.M. *see* Sethares, J.C. 1-36831
- Owens, R.O. *see* Kinney, E.R. 1-48593
- Owens, W.K. Gate arrays versus custom LSI 1-32295
- Owens, W.L. *see* Trimble, L.C. 1-31113
- Owers, M.J. *see* Davies, I. 1-43901
- Owers-Bradley, J.R., Wen-Sheng Zhou, Halperin, W.P. Simple wide temperature range AC susceptometer 1-48209
- Owono, A.P., Emendorfer, D., Lutz, D. Effect of improved resonance absorption treatment on the plutonium isotopic build-up prediction in PWR fuel rods 1-53199
- Owsley, N.L. Source location with an adaptively focused array 1-29794
- Owsley, N.L., Swope, G.R. Time delay estimation in a sensor array 1-41661
- Oxoby, G. *see* McShurley, D.G. 1-52634
- Oyama, O. Study on pneumatic band reject filter using pneumatic coupling condenser circuits 1-50534
- Oyama, S. *see* Sone, N. 1-41968
- Oyama, Y. *see* Nishizawa, J. 1-40396
- O'Yang, J.Y. *see* Dai, C.C. 1-48650
- Ozaki, C.B. *see* Gibson, T.A., Jr. 1-52813
- Ozaki, H. *see* Asahara, S. 1-45767
- Ozaki, H. *see* Futagami, S. 1-32495
- Ozaki, H. *see* Mori, N. 1-28354
- Ozaki, H. *see* Shirakawa, I. 1-46303
- Ozaki, M. *see* Sato, K. 1-46338
- Ozaki, T. *see* Haggan, V. 1-35750
- Ozaki, T. *see* Yoshida, J. 1-46290
- Ozaki, T. *see* Yoshino, T. 1-46879
- Ozaki, Y., Seta, T., Fujimura, T., Naito, K. Flasher voltage characteristics of contaminated bushing shells for UHV transmission systems 1-49146
- Ozarow, L. On a source-coding problem with two channels and three receivers 1-29043
- Ozarow, L.H. On a source coding problem with two channels and three receivers 1-29109
- Ozarski, R.G. *see* Speck, D.R. 1-51409
- Ozawa, K. On the mean and the variance of relative round-off error s in floating-point arithmetic 1-50178
- Ozawa, T. Fault detection of linear active networks by solving linear equations only 1-32141
- Ozawa, T. Planality testing for IC layout with constraints for pin order and congestion between pins 1-36410
- Ozawa, T., Takahashi, H. A graph-planarisation algorithm using PQ-trees 1-44934
- Ozawa, T., Yamada, M. Conditions for determining parameter values in a linear active network from node voltage measurements 1-45512
- Ozboya, N. *see* Chang, G.C. 1-31494
- Ozegovic, M. The calculation of currents and voltages for single line transmissions with one phase switched-off 1-30683
- Ozegovic, M. The computation of matrix [Z] using step-by-step method for large number of nodes 1-38703
- Ozeki, T. *see* Nakamura, M. 1-41107
- Ozga, S.E. *see* Katsumata, K. 1-50526
- Ozhogina, V.K. *see* Imenitov, A.B. 1-28278
- Ozisik, M.N., Tripp, Ch., Bogado-Leite, S. Stability of thermal waves in helium-cooled superconducting cables 1-34891
- Ozkul, C., Larcher, G. Fresnel microholography-diffraction: application to the measurement of diameter and position of a glass fiber element during drawing 1-28793
- P. Yum Tak-shing *see* Tak-shing P. Yum
- Paabo, M. *see* Magnhagen, B. 1-50902
- Paap, J. Experience and profitability in the maintenance of wooden poles 1-43752
- Paassen, C.A.A. *see* van den Paassen, C.A.A.
- Paataashvili, L.A. *see* Nekrasov, V.S. 1-41256
- Pabjanczyk, W. Laboratory research of current transformer located in supply neutral of three-phase network supplying discharge lamps as a third harmonic current source 1-44175
- Pacak, P., Obrusnik, I. Relative method for non-destructive  $^{235}\text{U}$  analysis in nuclear materials by single-channel gamma-ray spectrometer 1-43207
- Pacala, T.J., Laudenslager, J.B. Subnanosecond pulse amplification in rare gas halide lasers 1-51395
- Pacansky, J. *see* Coufal, H. 1-27778, 1-34254
- Pacansky, J. *see* Hiraoka, H. 1-46201
- Pacati, G.P., Taschini, A. Utility aspects of photovoltaics in Europe 1-53037
- Pace, P., Cruickshank, J. Frequency-stabilized multi-joule TEA  $\text{CO}_2$  laser 1-51392
- Pace, S., Savo, B., Vaglio, R. DC current singularities in long Josephson tunnel junctions: approximate solutions of the sin-Gordon equation with loss and bias 1-28361
- Pace, S. *see* Cuculo, A.M. 1-29961
- Pace, S.J. Surface modification and commercial application [electrochemical sensors] 1-52434
- Pace, W.D. A monolithic telephone subscriber loop interface circuit 1-52003
- Pacey, K., Jones, D., Edwards, J. High-power transistorized DC chopper controllers 1-49778
- Pacheu, Y. *see* Gastaud, G. 1-28483
- Pachter, M. Speed control of a field controlled DC traction motor 1-53718
- Pachterbeke, Y. *see* van Pachterbeke, Y.
- Paciotti, M., Bradbury, J., Inoue, H., Rivera, O., Sandford, S. Beam characteristics in the LAMPF biomedical channel 1-52637
- Pack, J.L. *see* Babcock, R.V. 1-37053
- Packer, G. Caravan lights checker 1-35482
- Packey, T. A holistic approach to field service 1-49976
- Padalko, G.A., Reznik, V.B. Design of thermovisors with electrochemical recording 1-38485
- Padalko, G.A. *see* Miroshnikov, M.M. 1-38145
- Padamsee, H., Kirchgesner, J., Mioduszewski, J., Sundelin, R., Tigner, M. Superconducting cavities for a large  $e^+e^-$  colliding beam accelerator 1-43106
- Padamsee, H., Proch, D., Kneisel, P., Mioduszewski, J. Field strength limitations in superconducting cavities—multipacting and thermal breakdown 1-28413
- Padamsee, H. *see* Kirchgesner, J. 1-48534
- Paddan, P.S. Improved transient waveform recorder 1-38224
- Paddan, P.S., Sandhu, S.S. Audio frequency analyser 1-36130
- Paderno, Yu.B. *see* Bessaraba, V.I. 1-27754
- Paderta, B. The switching off process in coils with magnetically coupled turns 1-40251
- Padgett, W.J., Wei, L.J. A Bayesian nonparametric estimator of survival probability assuming increasing failure rate 1-35770
- Padiyar, K.R., Pai, M.A., Radhakrishna, C. A versatile system model for the dynamic stability analysis of power systems including HVDC links 1-38691
- Padiyar, K.R., Pai, M.A., Radhakrishna, C. A versatile system model for the dynamic stability analysis of power systems including HVDC links 1-38726
- Padma, M.S. *see* Perrott, E. 1-35571
- Padovini, G. *see* Gatti, E. 1-34619
- Padukone, P., Ghauri, M.S. Design of high-order unsymmetrical multiple-loop feedback active filters 1-45487
- Paek, U.C., Peterson, G.E., Carnevale, A. Dispersionless single-mode lightguides with  $\alpha$  index profiles 1-46501
- Paek, U.C., Schroeder, C.M. High-speed coating of optical fibers at a rate greater than 5 m/sec 1-40940
- Paek, U.C. *see* Krause, J.T. 1-28442
- Paek, U.C. *see* Peterson, G.E. 1-28953, 1-46500
- Paesler, M.R.A. A new generation of digital multiplex equipments 1-42045
- Paez, R. *see* Davis, G.T. 1-27400
- Paffrath, L. *see* Deiss, S.R. 1-42802
- Pagana, E., Massaglia, P. Experimental analysis of corrugated conical horns with very wide flare angles 1-29035
- Pagani, C. *see* Acerbi, E. 1-42896
- Pagano, E., Perfetto, A. Discontinuous mathematical model of the rotating electrical machines 1-53380
- Pagano, R.J. *see* Feinstein, L.G. 1-32417
- Paganuzzi, G.M., Stracca, G.B. Tables for pseudo-elliptical and phase equalized microwave filters. I 1-45598
- Page, B.C. *see* Bewley, D.K. 1-43375
- Page, C.J., Hassan, H. Noncontact inspection of complex components using a rangefinder vision system 1-51553
- Page, I.R. *see* Thomas, L.D. 1-48986

- Page, N.W. An interdisciplinary course in energy for engineering students 1-31784
- Page, N.W., Ketchion, I.R. Personal energy consumption—determination of indirect contribution from appliances 1-31692
- Pagel, E.O., Kohler, K.H. Microprocessor-controlled ignition equipment for motors with turbo-driven superchargers 1-35481
- Pagel, E.O., Kohler, K.H. Microprocessor controlled ignition for supercharged car engines 1-49774
- Pages, J.L. Moment method evaluation of mutual impedance between dipoles 1-41378
- Paget, D.F. The numerical evaluation of Hadamard finite-part integrals 1-32043
- Paget, D.F. A quadrature rule for finite-part integrals 1-45063
- Paglione, R., Sterzer, F., Mendecki, J., Friedenthal, E., Botstein, C. 27 MHz ridged waveguide applicators for localized hyperthermia treatment of deep-seated malignant tumors 1-34637
- Paglione, R.W., Sterzer, F., Mendecki, J., Friedenthal, E., Botstein, C. 27 MHz waveguide applicators for localized hyperthermia treatment of cancer 1-48749
- Pagnia, H. *see* Blessing, R. 1-36413
- Pagones, M.J. *see* Lundquist, L. 1-34026
- Pah Hwang Un *see* Un Pah Hwang
- Pahlavan, K., Matthews, J.W. Performance of channel measurement techniques over fading channels 1-29618
- Pahlm, O., Jonson, B., Petersson, K., Eriksson, L. Computer-aided visual analysis of long-term ECG recording 1-52789
- Pahlm, O. *see* Sornmo, L. 1-48726
- Pahud, J.D. *see* Kuhn, H.K. 1-48287
- Pai, M.A. *see* Padiyar, K.R. 1-38691, 1-38726
- Paige, E.G.S. *see* Bloch, P.D. 1-36773
- Paik Ho Jung *see* Ho Jung Paik
- Paillotin, J.F. Optimization of the PLA area 1-46331
- Painchaud, H.W. *see* Goetze, A.J. 1-43516
- Paine, B.M. *see* Golecki, I. 1-39805
- Paine, B.M. *see* Grimaldi, M.G. 1-39769, 1-50276
- Painter, J. *see* Rhyne, T. 1-29822
- Pairman, D. *see* Hodgson, R.M. 1-43460
- Paiva, J.C. *see* David, J.P. 1-53641
- Pajdla, V. Distributed microprocessor system for the test beds automatic control 1-38120
- Pajer, G.A. *see* Haavisto, J. 1-40946
- Pajewski, W. The excitation and selection of Bleustein-Gulyaev waves on piezoelectric ceramics 1-46350
- Pajewski, W. *see* Nguyen Viet Kinh 1-48917
- Pak, G.T. *see* Bazhenov, V.Yu. 1-51471
- Pak, G.T. *see* Bogatov, A.P. 1-28727
- Pak, G.T. *see* Borisenko, V.E. 1-28728
- Pak, G.T. *see* Eliseev, P.G. 1-37148
- Pak, G.T. *see* Vorob'ev, A.V. 1-51526
- Pak, S.K., Parygin, V.N., Portnyagin, A.I., Sobolev, S.K. Polarization eigenstates of radiation in an optical resonator with a uniformly rotating phase plate 1-37183
- Pak, V.N. *see* Shorokhov, V.A. 1-31035
- Pakai, P., Fedorov, A.M. Losses in coaxial junctions and reproducibility in connectors 1-32426
- Pakay, P., Torok, A., Volgyesi, S. International intercomparison measurements of attenuations in coaxial and waveguide systems 1-38262
- Pakdel, M., Quichaud, G., Robert, J. Influence of an axial lamination on the performance of a reluctance machine 1-53418
- Pakes, A.G. Discrete dams with Markovian inputs 1-44877
- Pakhanov, N.A. *see* Al'perovich, V.L. 1-32705, 1-45999
- Pakhomov, L.N. *see* Aleksandrov, G.N. 1-30805
- Pakhomov, S.V. *see* Dyubua, P. 1-38591
- Pakidov, A.P. *see* Lobanova, T.P. 1-49582
- Pal, K. Realization of current conveyor all-pass networks 1-27500
- Pal, K. Realization of ideal grounded inductances and frequency dependent negative resistances using current conveyors and without matched components 1-36243
- Pal, K. Simulated inductances using current conveyors and their applications 1-40101
- Pal, K. Novel floating inductance using current conveyors 1-50547
- Pal, K. An inductorless all-pass phase-shifter configuration 1-50582
- Pal, K. *see* Gupta, V.P. 1-50698
- Pal, R.N. *see* Panda, G. 1-41771
- Pal, S.K., King, R.A. Histogram equalisation with S and  $\pi$  functions in detecting X-ray edges 1-33600
- Pal, S.K., King, R.A. Application of fuzzy set theory in detecting X-ray edges 1-41830
- Pal, S.K., King, R.A. Fuzzy sets in some problems of gray tone image processing 1-51866
- Palacios, J., Schwahn, D., Rauch, H. High angular resolution neutron transmission measurements—a proposed non-destructive materials testing method 1-45143
- Palama, A. *see* Adorni, N. 1-38568
- Palaniappan, R., Vithayathil, J. Single phase equivalent circuit method of steady state analysis of CSI/IM drive 1-49729
- Palanichamy, S., Subbiah, V. Some investigations on the operation of fully controlled thyristor converters with sequence control 1-32378
- Palanichamy, S., Subbiah, V. Analysis of and inductance estimation for half-controlled thyristor converters 1-49564
- Palanisamy, R., Lord, V. Finite element simulation of support plate and tube defect eddy current signals in steam generator NDT 1-50353
- Palata, J. A sufficient condition for the existence of unique local extremums 1-31994
- Palata, J. *see* Dedourek, V. 1-46120
- Palau, J.M., Ismail, A., Testemale, E., Lassabatre, L. Calculation of the work function of a substrate-thin film heterojunction 1-32695
- Palazzetti, M. *see* Demichelis, F. 1-31461
- Palees, E.E. *see* Leonov, I.G. 1-50357
- Palei, V.A. *see* Pereverzev, D.A. 1-49285
- Palei, V.A. *see* Pokhoriler, V.L. 1-49283
- Palenichka, R.M. *see* Gritsyk, V.V. 1-37517
- Palesch, C.M. *see* Lazarus, A.G., Jr. 1-35044
- Paleta, R.J., Jr. *see* Trinh, T.N. 1-47062
- Paletta, F. *see* Fanetti, E. 1-31463
- Palfalvi, J. On the use of LR 115 II recoil track detectors for neutron dosimetry 1-34493
- Palik, F. Electric express locomotive CS-200 1-31532
- Palik, F. ES 499.1 universal dual-current electric locomotive 1-31534
- Palik, F. ES 499.1 universal electric dual-current locomotive 1-31570
- Palik, F. E 479.1 locomotive for hauling heavy freight trains 1-49734
- Palik, F., Filip, Z. The Skoda E58 type of efficient electric locomotive for heavy goods trains 1-49759
- Palik, F. *see* Basa, F. 1-31535
- Palit, B.B. Behaviour of an induction machine with increasing stator resistance 1-53451
- Paliwal, K.K., Rao, P.V.S. Estimation of short-time spectral envelope of voiced speech using maximum entropy method of spectral analysis 1-29136
- Paliwal, K.K., Rao, P.V.S. A modified autocorrelation method of linear prediction for pitch-synchronous analysis of voiced speech 1-37436
- Palkuti, L. *see* Chang, G. 1-45918
- Pallant, D. Synthesizer interface for Transcendent DPX 1-42465
- Pallas, R. *see* Galvan, J. 1-30458
- Pallo, G. Total energy for the Wellington Hospital complex 1-53054
- Pallos, L. Laszlo *see* Laszlo Pallos, L.
- Pallottino, G.V. *see* Bordonì, F. 1-45305
- Palluel, P. *see* Schroff, A.M. 1-32547
- Palm, R., Hartig, G. Error analysis of measurement value sequences by correlation functions 1-34171
- Palma, A. *see* Alippi, A. 1-32943
- Palma, V.De *see* De Palma, V.
- Palmen, E.M., Walker, R.A. Renewing the ageing distribution system 1-34849
- Palmer, A.B. Variable-width pulse delay 1-27376
- Palmer, C.H. *see* Kline, R.A. 1-27189
- Palmer, C.R., Dobkin, R.C. A curvature-corrected micropower voltage reference 1-27287
- Palmer, D., Draper, B., Carlson, G. Extreme radiation tolerance of high-temperature solid state microelectronics [JFET thick-film hybrids] 1-45836
- Palmer, D.D. *see* Bauck, R.C. 1-44310
- Palmer, D.E. *see* Nienhaus, H.A. 1-50428
- Palmer, D.W. *see* Draper, B.L. 1-36416
- Palmer, D.W. *see* O'Connor, D.J. 1-36879
- Palmer, I.C. *see* Howorth, J.R. 1-32578
- Palmer, J.D. Cogeneration from waste energy streams—four energy conversion systems described 1-43900
- Palmer, J.M. Radiometric bandwidth normalization using root mean square methods 1-52478
- Palmer, J.P., Ward, P.B., Jr. Analog matrix multiplication by directional coupling between optical fibers 1-28469
- Palmer, M. *see* Kidd, J. 1-43067
- Palmer, M.A. *see* Johnson, D.J. 1-30309
- Palmer, R.B. Laser driven electron accelerators 1-48298
- Palmer, R.B. A laser driven grating linac 1-48314
- Palmer, R.B. *see* Borenstein, S.R. 1-34435, 1-43227
- Palmer, R.B. *see* Gordon, H.A. 1-43224
- Palmer, S.B. *see* Edwards, C. 1-45140
- Palmeri, A. *see* Ciavola, G. 1-48568
- Palmgren, D., Otis, D.R. Wind energy capacity of a single airfoil with vertical axis on a circular track 1-31154
- Palmieri, L. *see* Alippi, A. 1-32943
- Palmo, M.A. *see* Chari, M.V.K. 1-49413
- Palmonari, F. *see* Basile, M. 1-43250, 1-43251
- Palmquist, S., Hoeren, G. Logic analyzer delivers test patterns, too 1-52337
- Pal'mskii, V.G. *see* Balabanov, I.G. 1-35129
- Pal'mucci, C.J., Spreen, J.H., Wallace, K.A. Combined EMI and smoothing filter for TSR AC/DC stage 1-50409
- Palomares, U.G. On solving an unconstrained minimization problem by using a quasi-Newton direction generated by conjugate directions 1-44956
- Palomera-Garcia, R. On the evaluation of certain type of determinants of transfer functions for 'unbalanced ports 1-39844
- Palounek, L.R. *see* Laurer, G.J. 1-30200
- Pal'shin, G.N. *see* Baksheev, V.G. 1-30575
- Palusamy, S.S. *see* Raynund, M. 1-39717
- Palys, R.F. *see* Hauck, J.P. 1-32619
- Palz, W. (editor) Third E.C. Photovoltaic Solar Energy Conference 1-53653
- Pamela, J. *see* Aleksan, R. 1-48582
- Pamela, J. *see* Behrend, H.-J. 1-43229
- Pan, E.S. *see* Howard, J.K. 1-27964
- Pan, J.J. Active microwave power combiner/divider using a dual-gate MESFET [monolithic MIC implementation] 1-45629
- Pan, J.J. Wideband solid-state amplifiers for 18 to 60 GHz communications 1-50628
- Pan, J.J., Lee, C.K., Kunz, M.G. Fiber-optic 1-GHz 1-km link for satellite communication integrated terminals 1-37931
- Pan, R.Y., Pascalar, H.G. Performance evaluation of passive millimeter wavelength sensors in the detection of point targets 1-48111
- Pan Guoxueng *see* Wang Shouwu 1-27970
- Pan Shao-hua, Tang Xiao, Feng Bao-hua Injection locking of dye lasers 1-28666
- Pan Yen-Cheng *see* Yen-Cheng Pan
- Panakhov, M.M. *see* Abdullaev, G.B. 1-33116, 1-37010
- Panakhov, M.M. *see* Kyazym-Zade, A.G. 1-50827
- Panaroni, P. *see* Camici, A. 1-51886
- Panas, S.I. *see* Kaban, A.V. 1-49276
- Panasik, C.M., Hunsinger, B.J. Scattering matrix analysis of surface acoustic wave reflectors and transducers 1-28199
- Panasjuk, A.I. *see* Polityko, E.D. 1-39142
- Panasyuk, M.I. *see* Gerberg, A.N. 1-48850
- Panasyuk, V.I. *see* Polityko, E.D. 1-39142
- Panayiotopoulos, J.-C. Irregular gaming areas 1-50073
- Pancake, C. *see* Brennan, J.M. 1-42947
- Panchenko, V.A., Nevgodenko, R.G. Wide pulse temperature controller 1-38173
- Panchenko, V.B., Volyar, A.V., Gnatovsky, A.V., Kuchikyan, L.M. On the problem of multimode light-guide interferometers 1-40926
- Panchenko, V.F. *see* Liseykin, I.D. 1-35046
- Pancherz, H., Winnberg, A. Reliability of EMG registrations. A quantitative analysis of masseter muscle activity 1-43334
- Pancholy, M., Chhapparg, A.F., Mohanan, V. Effect of load impedance on ceramic phonograph pick-up resonance 1-29920
- Panda, D. *see* Hummel, R. 1-48813
- Panda, G., Pal, R.N., Chatterjee, B. Fixed-point error analysis of Winograd based DFT algorithms considering correlation between noise sources 1-41771
- Pande, A. *see* Melsa, J.L. 1-29366
- Pande, A.K. *see* Cohn, D.L. 1-41579
- Pande, A.K. *see* Melsa, J.L. 1-37477
- Pande, K.P., Pourvoud, S., Sr. Ge<sub>3</sub>N<sub>4</sub>-InP MIS structures 1-46006
- Pandel, J. Switched-capacitor elements for VIS-SC-filters with reduced influences of parasitic capacitances 1-27485
- Pandel, J., Herbst, D. VIS-SC filters for higher clock frequency applications 1-45457
- Pandel, J. *see* Herbst, D. 1-40099
- Pandel, J. *see* Khalil, A. 1-32153
- Pandelisev, K.A. *see* Wang, E.Y. 1-53631
- Pandey, A.N. *see* Bhushan, S. 1-28570
- Pandey, P.C., Gohil, B.S., Sharma, A.K. Passive microwave atmospheric measurements. I. Absorption of microwaves by atmospheric gases—oxygen and water vapour 1-46885
- Pandey, P.C., Sharma, A.K., Gohil, B.S. A simulation technique for the determination of atmospheric water content with Bhaskara satellite microwave radiometer (SAMIR) 1-52944
- Pandey, P.C. *see* Jain, V.K. 1-35534
- Pandit, M. Mean acquisition time of active- and passive-correlation acquisition systems for spread-spectrum communication systems 1-47202
- Pandozy, F. Shipboard optical fiber data multiplex system 1-52103
- Panerai, R.B. *see* de Souza, W.M. 1-43343
- Panettieri, J. *see* Sood, R.K. 1-48605
- Panfilov, G.G., Vaimugin, A.A., Gusev, A.V., Korneeva, A.P., Kostromin, A.G., Kulikov, V.I., Lomakin, S.S., Lyubchenko, V.F., Sharapov, V.N. Spatial and energy distributions of the thermal neutrons in a cell of a reactor at Bilbinsk nuclear power station 1-38876
- Panfilov, N.A. Analytic solution of differential equations for quasi-steady state regimes of multiphase rectifier circuits 1-31328
- Pang, C.K., Mikolinnas, T.A., Reppen, N.D., Ringlee, R.J., Wollenberg, B.F. Pool daily fuel scheduling. Vol. 1: Technical manual 1-53024

- Pang, C.K., Mikolinnas, T.A., Reppen, N.D., Ring-  
glee, R.J., Wollenberg, B.F. Pool daily fuel  
scheduling. Vol. II: Programming manual  
1-53025
- Pang, C.K., Mikolinnas, T.A., Reppen, N.D., Ring-  
glee, R.J., Wollenberg, B.F. Pool daily fuel  
scheduling. Vol. III: Program listings 1-53026
- Pang, C.K., Sheble, G.B., Albuey, F. Evaluation  
of dynamic programming based methods and  
multiple area representation for thermal unit  
commitments 1-30619
- Pang, C.K., Sheble, G.B., Albuey, F. Evaluation  
of dynamic programming based methods and  
multiple area representation for thermal unit  
commitments 1-34806
- Pang, P. *see* Balder, W. 1-34253
- Pang Dawen *see* Dawen Pang
- Pang Dow Foo *see* Marcoux, P.J. 1-46076
- Pang Jang-Shi *see* Jang-Shi Pang
- Pang Jong-Shi *see* Jong-Shi Pang
- Pang-Kai Lee High current brush material develop-  
ment. II. Metal-solid lubricant coated wires  
1-35113
- Pangelova, N., Sharlandjiev, P., Katsev, A., Todo-  
rov, T. Lightsensitive arsenous sulphide suspen-  
sion for holographic recording 1-46808
- Paniccia, A.E., Sakmann, W.H. Differential  
current sensing system for diagnostic purposes  
1-30083
- Panichi, C. *see* D'Amore, F. 1-34708
- Panighini, L. Moglia *see* Moglia Panighini, L.
- Panigrahi, G., Sewell, R.F. A generalized test pro-  
gram generator 1-52367
- Panin, A.N. *see* Kashnikov, G.N. 1-28655
- Panin, V.I. *see* Baksheev, V.G. 1-30575
- Panin, V.M. Some solution methods for problems  
in nonlinear programming 1-45005
- Panin, V.M. Global convergence of second order  
methods for convex problems of discrete mini-  
max 1-50225
- Panish, M.B. *see* Capasso, F. 1-50299
- Panizza, E., Scalet, R. An integrated electronic  
system for power train control and vehicle  
monitoring 1-38603
- Panko, R.L. *see* Solecky, P. 1-45791
- Panko, R.R. The cost of EMS 1-33757
- Panko, R.R., Panko, R.U. A survey of EMS users  
at DARCOM 1-33756
- Panko, R.U. *see* Panko, R.R. 1-33756
- Pankonin, V. Protecting radio windows for astro-  
nomy 1-42369
- Pankonin, V., Price, R.M. Radio astronomy and  
spectrum management: the impact of WARC-  
79 1-52208
- Pankov, G.H. *see* Kantor, L.Y. 1-47643
- Pankove, J.I. Photoluminescence assessment of  
solar cell materials 1-35393
- Pankratov, N.A., Malyarov, V.G., Erukova, T.A.  
Low-temperature isolated-target semiconductor  
bolometers 1-30133
- Pankratov, V.M., Dzhashitov, V.E. Investigation of  
dynamic processes of thermal drift in float  
gyroinstruments 1-27082
- Pankratov, V.M. *see* Grinev, A.Yu. 1-51229
- Pankratova, N.K. *see* Maslov, V.V. 1-32912
- Pannach, A. Development of an interface for the  
IEEE bus 1-47875
- Pannell, R.M., Jervis, B.W. Two simple methods  
for the measurement of the dielectric permittiv-  
ity of low-mass microstrip substrates 1-30244
- Panock, R. *see* Freeman, R.R. 1-46798
- Panock, R.L. *see* Bokor, J. 1-33277, 1-46799
- Panousis, N.T., Kershner, R.C. Solder attachment  
of leaded components to thick film hybrids  
1-45833
- Panov, A.E. Miniature broadband microwave mix-  
ers with two-conductor transmission lines  
1-39996
- Panov, V.I. *see* Braginskii, V.B. 1-28414
- Pansart, J.P. *see* Aleksan, R. 1-48582
- Pansart, J.P. *see* Behrend, H.-J. 1-43229
- Pansieri, G.P. Electronic apparatus and systems  
for the ILTE printing works 1-31738
- Pantalone, D.K., Piegza, D.M. Limit cycle analysis  
of hydroelectric systems 1-35089
- Pantalone, D.M. Backlash describing function  
analysis for two steam areas 1-53132
- Pantani, J.P. *see* Cukier, M. 1-27405
- Pantchev, B.G. *see* Danesh, P. 1-45899
- Pantchev, B.G. *see* Kalitzova, M.G. 1-27789
- Pantelev, N.L. *see* Ivanov, V.B. 1-47942
- Pantelimon, M. *see* Mihailescu, D. 1-44440
- Panton, D.J. *see* DeGryse, D.G. 1-48815
- Panuel, M. *see* Galand, D. 1-48987
- Panvini, R. *see* Ehrlich, R. 1-34428
- Panwar, O.S. *see* Singh, S. 1-28556
- Panyutin, V.L. *see* Badikov, V.V. 1-28423
- Panzar, C. *see* Magureanu, R. 1-31267
- Panzer, P., Kaiser, M. Calculation of the sag of  
overhead lines using the programmable HP67  
pocket calculator 1-38768
- Panzer, S. *see* Klabes, R. 1-32620
- Pao Yoh-Han *see* Yoh-Han Pao
- Pao-Lio Liu, Chinlon Lin, Kaminow, I.P.,  
Hsieh, J.J. Picosecond pulse generation from  
InGaAsP lasers at 1.25 and 1.3  $\mu\text{m}$  by electrical  
pulse pumping 1-37114
- Pao-zheng Zheng *see* Zheng Pao-zheng
- Paola, R. Di *see* Di Paola, R.
- Paolantonio, A.N. Precision variable fiber-optics  
attenuator 1-29742
- Paoli, R. De *see* De Paoli, R.
- Paoli, T.L. Optical response of a stripe-geometry  
junction laser to sinusoidal current modulation  
at 1.2 GHz 1-37115
- Paoli, T.L. *see* Nash, F.R. 1-33237
- Paolo, A. Di *see* Di Paolo, A.
- Paoluzzi, L. *see* Bacci, C. 1-43236
- Papa, M. *see* Cicotti, M. 1-29552
- Papadopoulos, M.P. The effect of faults on the  
public supply network on industrial installations  
with induction motors 1-48995
- Papadopoulos, R. Communications on energy.  
Growth and overcapacity in the UK electricity  
industry 1-53002
- Papageorgiou, H. *see* Charalambides, C.A.  
1-50158
- Papageorgiou, C., Freeman, E.M. The application  
of Fourier transform spectra to the study of  
linear induction motors 1-49491
- Papageorgiou, M. Comments on 'Dynamic mul-  
tilevel optimization for a class of non-linear  
systems' 1-27080
- Papakonstantinou, G., Gritzali, F. Syntactic filter-  
ing of ECG waveforms 1-43332
- Papamichael, M. *see* Wilson, G. 1-29152
- Papamichael, N. *see* Behrooz, G.H. 1-35874
- Papamichael, N. *see* Hough, D.M. 1-35927
- Papanicolaou, N.A., Lin, H.C. A surface acoustic  
wave (SAW) charge transfer imager 1-47984
- Papanicolopoulos, C.D., Moore, R.L., Wang, J.J.H.  
Rapid broadband swept-frequency automated  
scattering measurement 1-52133
- Papantoni-Kazakos, P. Multiple access protocols in  
data transmission 1-29246
- Papantoni-Kazakos, P. Stochastic quantization for  
performance stability 1-33664
- Papantoni-Kazakos, P. Sliding block encoders that  
are rho-bar continuous functions of their input  
1-41503
- Papastathopoulos, D.S. *see* Efstathiou, C.E.  
1-40009
- Papathomas, T.V., Scuderi, R. Stored-program  
control of DC power plants [central office sup-  
plies] 1-42088
- Papavasilopoulos, G. Algorithms for a class of  
nondifferentiable problems 1-35842
- Papay, L.T. Criteria for deployment of alternate  
and renewable energy technologies 1-49328
- Papazian, V. *see* Goldsmid, H.J. 1-52468
- Papazov, S. *see* Zlatev, M. 1-49494
- Papeschi, G., Bordini, S., Carla, M., Criscione, L.,  
Ledda, F. An iridium-iridium oxide electrode  
for in vivo monitoring of blood pH changes  
1-30456
- Papiernik, A. *see* Fray, C. 1-41288, 1-41436
- Papiernik, A. *see* Jecko, B. 1-43013
- Papiernik, W. *see* Depping, F. 1-30835
- Papin, A.A. *see* Makarov, A.A. 1-26858
- Papineau, A. *see* Alard, J.P. 1-52717
- Papis, J.P. *see* Bossart, R. 1-48476
- Papke, W. *see* Hagenauer, J. 1-29704
- Papoulis, A. Circuits and systems: A modern  
approach 1-39319
- Papp, R. Risks in energy production. An assess-  
ment of the Inhaber report 1-49211
- Pappalardo, M. Hybrid linear and matrix acoustic  
arrays 1-34725
- Pappalardo, M. Acoustic lens with electrically con-  
trolled refractive index 1-36736
- Pappalardo, M. High order Lamb wave excitation  
in piezoelectric plates as transducer for cylindri-  
cal waves 1-51070
- Pappu, S.V., Kuloor, R. Optical signal processing  
for a simple unmodulated CW-radar 1-29212
- Papuchon, M. Present applications of integrated  
optics 1-46566
- Papuchon, M. *see* Kayoun, P. 1-36869
- Paquet, R., Thomas, E. Silicone products for  
reliable semi-conductor encapsulation 1-26943
- Para, A. Foglio *see* Foglio Para, A.
- Paraboni, A. *see* Barbaliscia, F. 1-28904
- Paraboni, A. *see* Capsoni, C. 1-33341
- Paraboni, A. *see* Matriciani, E. 1-46867
- Paraboni, A. *see* Mauri, M. 1-41233
- Paradise, E.D. Temperature sensor 1-48045
- Paradise, J. New CMOS CDP1800 series proces-  
sors reduce chip count 1-27467
- Paradissis, P., Plow, R. Power supply and digital  
switch must be compatible 1-47463
- Paradissis, P.P., Schmitz, G.V. A solar power  
system for a microwave terminal site 1-42188
- Paradkar, S.K. *see* Dawar, A.L. 1-32670
- Paramasivam, K.R., Radhakrishnan, M., Balasub-  
ramanian, C. Electrical conduction in evap-  
orated terbium fluoride thin films 1-36362
- Parameswaran, K., Krishnamurthy, B.V. Influence  
of sporadic-E irregularities on the equatorial  
lower ionospheric absorption 1-46872
- Paramonov, A.A. Optimum filtering of the envel-  
ope of a narrowband random process 1-51834
- Paramonov, L.V. *see* Gaponov, S.V. 1-37216
- Parant, J.M. *see* Galand, D. 1-48987
- Paraskevopoulos, P. *see* Stravroulakis, P. 1-41640
- Paraskevopoulos, P.N., Mertziotis, B.G. Sensitivity  
analysis of 2-D systems 1-45170
- Parcchini, C. *see* Manfredi, M. 1-41001
- Pardo, R.C. *see* Aron, J. 1-48302
- Pardoe, B.H., Jabbour, K. Microprocessor-based  
group-delay meter 1-42655
- Parekh, J.P., Tuan, H.S. Beams steering and dif-  
fraction of magnetostatic backward volume  
waves 1-46436
- Parekh, J.P. *see* Tuan, H.S. 1-37357
- Parent, C., Le Flem, G., Et-Tabirou, M.,  
Daoudi, A. On some new green emitting  
phosphors with  $\text{Sr}_3(\text{PO}_4)_2$  type structure  
1-33133
- Parent, C. *see* Vlasse, M. 1-28571
- Parent, R.M. *see* Carpenter, L.C. 1-46279
- Parenti, R.R. *see* Otazo, J.J. 1-48807
- Pareti, L. *see* Licci, F. 1-46400
- Parfenov, A.V. *see* Belyaev, V.V. 1-33094
- Parfenov, A.V. *see* Kompanets, I.N. 1-28538,  
1-28539
- Parfenov, V.A. *see* Aleksandrov, G.N. 1-30805
- Parfianovich, I.A. *see* Varnavskii, O.P. 1-41077
- Parfitt, H.T. *see* Fairhurst, K. 1-32063
- Parfyonov, A.V. *see* Garibyan, O.V. 1-46589
- Pargamin, L., Tartier, S. A comparison of contam-  
ination test methods for DC line insulators  
1-34915
- Pargamin, L. *see* Aubin, C. 1-53121
- Pargamin, L. *see* Mailfert, R. 1-34922
- Parikh, D., Mansour, D., Markel, J.D. Study of  
echo cancelling algorithms for full duplex tele-  
phone networks with vocoders 1-41906
- Parikh, D.D., Gray, A.H., Jr., Ahmed, N. Con-  
vergence study of the modified HARF  
algorithm 1-37550
- Parikozhka, I.A. *see* Dvorskiy, E.E. 1-41917
- Parilov, V.P. *see* Vasilyev, S.N. 1-37700
- Parini, C.G. *see* Claricoats, P.J.B. 1-41336
- Parinov, Ye.P. *see* Il'yashenko, E.I. 1-28259
- Paris, G. Inverter circuits with thyristors 1-32184
- Paris, L. The role of electric system in the diver-  
sification of energy sources 1-38635
- Paris, M., Louet, M., Marin, C. The development  
of low voltage overhead systems and service  
connections using insulated cables 1-49124
- Paris, M. *see* Folie, M. 1-43686
- Paris, P., Liang, C.F., Lecouturier, D.,  
Arianer, M., Obert, J., Caruette, A., Ferro, A.,  
Fournet, J., Putaux, J.C., Sarrouy, J.L. Descrip-  
tion and performance of the ISOCELE 2  
separator 1-48327
- Paris, P. *see* Putaux, J.C. 1-52658
- Parisot, M., Binet, M., Rabier, A. Field effect  
transistor automatic microwave characterisation  
1-36615
- Parizet, M.J. *see* Alard, J.P. 1-52717
- Park, C.J. On the distribution of the number of  
unobserved elements when m-samples of size n  
are drawn from a finite population 1-35776
- Park, H., Chodorow, M., Kompfner, R. High  
resolution optical ranging system 1-51539
- Park, H.S., van der Ziel, A., Zijlstra, R.J.J.,  
Liu, S.T. Discrimination between two noise  
models in metal-oxide-semiconductor field-effect  
transistors 1-28024
- Park, H.S. *see* van der Ziel, A. 1-50946
- Park, I.D. *see* Walters, R.E. 1-29541
- Park, I.D.C. Monarch 120—the system software  
1-47493
- Park, J.G., Vaidya, A. Resistive SQUIDs for ther-  
mal measurements 1-28342
- Park, J.H., Jr. Two-user dispersive communication  
channels 1-51762
- Park, J.H., Jr. *see* Lee, S. 1-28990
- Park, K.S., King, R.J. Scattering of a surface  
wave incident on a nonuniform transition in  
surface reactance 1-51745
- Park, K.Y. Global packet radios using low altitude  
satellites 1-29714
- Park, P.K., Elliott, R.S. Design of collinear longi-  
tudinal slot arrays fed by boxed stripline  
1-29025
- Park, P.K., Elliott, R.S. Design of transverse slot  
arrays fed by boxed stripline 1-51742
- Park, P.K., Stern, G.J. Improved technique for  
evaluation of slot discontinuities in rectangular  
waveguide 1-47003
- Park, R.H. HST tests electric cable 1-43694
- Park, R.M., Stanley, C.R. Characterisation of a  
deep electron trap in molecular-beam epitaxial  
InP 1-50772
- Park, R.M., Stanley, C.R., Clampitt, R. A low-  
energy ion source for p-type doping in MBE  
1-35961
- Park, S.J. *see* Banker, D.C. 1-46199
- Park, S.J. *see* Boudon, G.M. 1-36187
- Park, S.K. *see* Huck, F.O. 1-37639
- Park, T., Sekine, Y. A method for analyzing mul-  
tiresolution in power flow analysis 1-34817
- Park, Y.C. *see* Davidson, F. 1-33427
- Park, Y.K., Byer, R.L. Electronic linewidth  
narrowing method for signal axial mode opera-  
tion of Q-switched Nd:YAG lasers 1-41073
- Park, Y.K. *see* Byer, R.L. 1-46783
- Park, Y.S., Yeo, Y.K., Pedrotti, F.L. Dual  
implantation and amphoteric behavior of Ge  
implants in GaAs 1-44046
- Park, Y.S. *see* Evans, C.A., Jr. 1-27823
- Park, Y.S. *see* Pomrenke, G.S. 1-37020
- Park, Y.S. *see* Yeo, Y.K. 1-36480
- Park, Y.W. *see* Feldblum, A. 1-32892
- Park Kwang-Hyun *see* Kwang-Hyun Park

- Park Min-Ho *see* Min-Ho Park  
 Park Song-Bae *see* Song-Bae Park  
 Park Sung-Han *see* Sung-Han Park  
 Parkash, K. *see* Murari, K. 1-39508  
 Parkash, O. *see* Patkar, V. 1-44985  
 Parkash, V., Verma, V.K., Ray, L.M. Self-excited oscillations of d.w.r. synchronous generator 1-49439  
 Parker, A.C., Wallace, J.J. SLIDE: an I/O hardware descriptive language 1-41958  
 Parker, A.C. *see* Breuer, M.A. 1-45419  
 Parker, A.C. *see* Director, S.W. 1-45395, 1-45410  
 Parker, A.C. *see* Hafer, L. 1-45432  
 Parker, C.P. *see* Boudon, G.M. 1-41961  
 Parker, C.P. *see* Gaudenzi, G.J. 1-36189  
 Parker, C.P. *see* Johnson, R.E. 1-45379, 1-45380  
 Parker, D.E. Dielectric measurement method [plasma panel display dielectric materials] 1-30239  
 Parker, D.E. *see* Luxon, J.T. 1-37192, 1-41128  
 Parker, E. Communication satellites for rural service [telecommunication systems] 1-29686  
 Parker, E.A., Hamdy, S.M.A. Rings as elements for frequency selective surfaces [reflector antennas] 1-51654  
 Parker, E.F. Recent developments in polarized ion sources 1-43175  
 Parker, E.F. *see* Schultz, P.F. 1-43161  
 Parker, E.L. *see* McCloskey, W.J. 1-38962  
 Parker, E.W. An overview of operations systems 1-37837  
 Parker, F.D. *see* Brodsky, W.L. 1-50007  
 Parker, G.M. *see* Barratt, P.J.S.B. 1-43124  
 Parker, H.V. A paper mill solves a QC problem with process control data 1-50033  
 Parker, J.H., Jr. *see* Flick, C. 1-31179  
 Parker, K.P. *see* Abraham, J.A. 1-27468  
 Parker, L.W. Effects of plasma sheath on solar power satellite array 1-35362  
 Parker, P.D. *see* Thieberger, P. 1-42849  
 Parker, R.K. *see* Bettis, J.R. 1-51496  
 Parker, S.I., Harris, F., Karliner, I., Yount, D., Ely, R., Hamilton, R., Pun, T., Guryan, W., Miller, D., Fries, R. The PEP quark search proportional chambers 1-43235  
 Parker, S.R., Ben-Yakov, U. A combined random and gradient search algorithm for recursive adaptive filters 1-45549  
 Parker, S.R. *see* Clark, G.A. 1-37504  
 Parker, T.J. Determination of the complex dielectric response of solids by dispersive Fourier transform spectrometry 1-48224  
 Parker, W. *see* Negroponte, N. 1-48004  
 Parker, W. *see* Parvin, K. 1-37222  
 Parker Smith, N.N. The Mark IXB—an update for the Mark IX colour camera [TV cameras] 1-47793  
 Parkes, J.B. *see* Armor, A.F. 1-43927  
 Parkes, J.B. *see* Bennett, S.B. 1-31006  
 Parkhill, D.F. Guest editorial—Canada: at the fore of communications 1-29257  
 Parkhomchuk, V. *see* Kells, W. 1-48527  
 Parkhomenko, V.I. *see* Krisyuk, E.M. 1-30331  
 Parkinson, B.A. *see* Kline, G. 1-35335  
 Parkinson, S.T. Successful new product development—an international comparative study 1-39336  
 Parks, D.E. *see* Katz, I. 1-48775  
 Parks, H.M. Electrical connection across removable covers on business machine equipment 1-26878  
 Parks, H.R. *see* Krantz, S.G. 1-50094  
 Parks, P.C. A comment on 'Routh-Hurwitz determinants and integral square errors' 1-27058  
 Parks, T.W. *see* Merchant, G.A. 1-37602  
 Parkyn, M. Log amplifiers balance IF and RF signals for radar and ECM receivers 1-29797  
 Parlett, B.N., Reid, J.K. Tracking the progress of the Lanczos algorithm for large symmetric eigenproblems 1-39672  
 Parlevliet, P.G. The risk of explosions in process industries 1-35615  
 Parlow, R.D. WARC-79 changes to the technical radio regulations 1-52192  
 Parmar, R.S. Metal transfer in underwater shielded metal arc welding 1-49842  
 Parmenter, D.V., Warshawsky, J. Cement plant simulator trainer 1-35584  
 Parmentier, R.D. *see* Erne, S.N. 1-28334, 1-36848, 1-40858  
 Parnell, C.J. *see* Bewley, D.K. 1-43375  
 Parnell, T.M. *see* O'Connor, C. 1-26816  
 Parnig, T.M. *see* Chang, H. 1-28263  
 Parodi, R. *see* Accarino, N. 1-47431, 1-47432  
 Parodi, R. *see* Cardarelli, C. 1-41871  
 Parodi, R. *see* Corsi, N. 1-47416, 1-51983  
 Parodi, R. *see* D'Atri, M.L. 1-47430  
 Parodi, R. *see* Fernandes, P. 1-42777, 1-48454  
 Parr, E.A. Versatile clock generator for data transmission 1-41993  
 Parr, J. Apple as time-sharing user 1-51960  
 Parrens, P. *see* Hartmann, J. 1-36691  
 Parriaux, O., Gidon, S. Distributed coupling on polished single-mode optical fibers 1-51147  
 Parriaux, O., Sychugov, V.A., Tishchenko, A.V. Reconstruction of the refractive index profile in diffused waveguides 1-28477  
 Parrini, G. *see* Boccilini, M. 1-38443  
 Parrish, D. Speed consideration in logic analysis 1-42572  
 Parrish, D.E. Distribution lighting protection—past, present, future 1-49185  
 Parrish, R.H., Myers, S.D. An update on the use, labeling, handling and disposal of PCBs 1-39040  
 Parrish, W.J. *see* Wong, J.Y. 1-47981  
 Parrou, G. *see* Augustin, J.E. 1-43230  
 Parry, C.M. Bismuth-doped silicon: an extrinsic detector for long-wavelength infrared (LWIR) applications 1-46622  
 Parry, G. Measurement of atmospheric turbulence induced intensity fluctuations in a laser beam 1-37241  
 Parsapour, H.B. *see* Almquist, F.A. 1-44710  
 Parsch, C.P., Cieslow, G. The drive installation of the TRANSRAPID 06 with an iron bearing synchronous long stator motor 1-53724  
 Parsch, C.P., Wiegner, G. The air-cored linear synchronous motor: the state of the art in Erlangen 1-49504  
 Parsch, C.P. *see* Lingaya, S. 1-49503  
 Parsey, J.M., Nanishi, Y., Lagowski, J., Gatos, H.C. Electron trap-free low dislocation melt-grown GaAs 1-35933  
 Parschikov, A.A. *see* Andreyev, G.A. 1-33355  
 Parshin, A.V. Methods of transmitting speech communication in a mine-rescue link 1-29723  
 Parshin, N.I. *see* Blinov, V.N. 1-31729  
 Parshin, N.I. *see* Sobolev, S.I. 1-31674  
 Parshin, V.A., Popkov, V.M., Fedorenko, Yu.F., Shakhnov, S.B., Maiorov, V.A., Polezhaev, M.A., Pegova, I.V. The automatic recording of the misalignment of welded edges 1-53830  
 Parsonnet, V. *see* Myers, G.H. 1-38532  
 Parsons, B. Industrial practice and trends: the oil industry 1-43680  
 Parsons, B., Egglestone, F. Energy savings in industrial systems by the use of combined steam and electrical generation 1-49294  
 Parsons, B.W. Induction motors drive paper-making machinery 1-44565  
 Parsons, C.R. *see* Destler, W.W. 1-48409  
 Parsons, D. (translator) Methods of digital holography 1-49862  
 Parsons, J.D. *see* Bajwa, A.S. 1-46946  
 Parsons, J.D. *see* Samuel, R.J. 1-46920  
 Parsons, P. Step-by-step central offices stride into a future of local measured service 1-47340  
 Parsons, S.O. *see* Seminara, J.L. 1-49975  
 Parsons, V.L. Small sample distribution for a non-parametric test for trend 1-44860  
 Parsons, W.M. Vacuum switchgear for fusion experiments 1-35274  
 Parthasarathy, K. *see* Premakumaran, N. 1-38673  
 Parthasarathy, R. *see* John, S. 1-39845  
 Parthe, A.C., Jr., Schaefel, J.J. The MIT Enterprise Forum a resource for growing technology-based organizations 1-31823  
 Partin, D.L. Molecular beam epitaxial growth and characterization of lead telluride for laser diodes 1-35953  
 Partin, D.L. High resolution doping profiles in  $Pb_{1-x}Sn_x$  thin film structures 1-40499  
 Partin, D.L., Lo, W. Low threshold current lead-telluride diode lasers grown by molecular beam epitaxy 1-41095  
 Partington, S. *see* Beales, K.J. 1-28432, 1-46494  
 Partlow, W.D. The interaction of metal halide lamps and ballasts during reignition 1-31644  
 Parton, K.C. Stability aspects of superconducting fault limiters 1-34937  
 Parton, K.C., Rafian, M., Laughton, M.A. Superconducting power system transducer 1-49171  
 Parton, L. *see* Evans, D.H. 1-30428  
 Partridge, A. A novel application for Mini Scamp 1-42512  
 Partyka, W., Przyborowski, W. Dangerous vibrations and noise of large turbogenerators 1-53388  
 Parvatisam, K. *see* Fleming, R.J. 1-43522  
 Parvin, K., Parker, W. Optical spectra and angular dependence of the visible light emitted by metal-insulator-metal tunnel junctions 1-32722  
 Parygin, V.N., Rozanov, N.N. Comments on the articles by N.N. Rozanov [and reply] 1-51364  
 Parygin, V.N. *see* Balakhshiy, V.I. 1-34216  
 Parygin, V.N. *see* Kobyl'chak, V.V. 1-51228  
 Parygin, V.N. *see* Pak, S.K. 1-37183  
 Parygin, V.N. *see* Volodin, A.A. 1-36976  
 Parzanese, C.P. Rural service provisioning in the 1980s 1-29570  
 Parzen, G. Effect of the higher field multipoles in superconducting magnets on the good field aperture 1-43020  
 Parzen, G. Dispersion correction through movement of the closed orbit 1-48503  
 Parzen, G. *see* Cornacchia, M. 1-43021  
 Pasanen, J.-H. Remote control of the telenetwork 1-33776  
 Pascal, J.-P. *see* Giovachini, J.-L. 1-49489  
 Pascalar, H.G. *see* Pan, R.Y. 1-48111  
 Pascale, M.P. *see* De Pascale, M.P.  
 Pascard, H. *see* Le Floch, M. 1-28232  
 Pascolini, A., Pusterla, M. A new mathematical method in the nonlinear beam-beam interaction 1-43018  
 Pascone, R. *see* Tzoar, N. 1-51175  
 Pasechnyy, S.V. *see* Berkuta, V.G. 1-29032  
 Pasedach, K., Haase, E. Random and guided generation of coherent two-dimensional codes 1-29217  
 Pasek, J. *see* Mohanty, N.C. 1-37962  
 Pasek, Z., Taimr, V. A method for evaluation of the breaking quality of DC high-speed circuit breakers 1-49598  
 Pashchenko, Zh.F., Tereshchenko, A.I. Graphical representation of the dependence of resonance wavelengths on geometrical dimensions of resonators. I. Square cross-section resonators 1-36332  
 Pashchenko, Zh.F., Tereshchenko, A.I. Graphical representation of the dependence of resonance wave lengths on geometrical dimensions of resonators. II. Resonators with the cross-section in the form of a circle, ring, or a ring segment 1-36333  
 Pashentsev, I.D. *see* Khramtsov, V.N. 1-28011  
 Pashintsev, Yu.I. *see* Brche, M.A. 1-40534  
 Pashitskii, E.A. *see* Il'chenko, L.G. 1-32716  
 Pashko, S.A. *see* Eliseev, P.G. 1-28729  
 Pashley, M.D., Pethica, J.B. Resistance measurement in metal-metal contact experiments 1-34359  
 Pashlovskiy, I.Yu. *see* Khazanov, A.Sh. 1-37996  
 Pashulya, M.P. *see* Sheiko, P.P. 1-49836  
 Pask, C. Bandwidth and manufacturing tolerances on multimode fiber refractive-index profiles 1-46492  
 Pask, C. *see* Ankiewicz, A. 1-46511  
 Pasko, J.G. *see* Shin, S.H. 1-46639  
 Pasmaik, G.A., Sidorovich, V.G. Interrelation between the coherence properties and the space-time structure of light beams 1-51625  
 Pasour, J.A. *see* Golden, J. 1-52652  
 Pasquariello, G. *see* Federici, L. 1-43268  
 Pasquenza, J.P. *see* Deyst, J.J. 1-34992  
 Pasquinelli, R.J. Snapshot digitizer system for Fermilab main accelerator 1-42913  
 Pasquinelli, R.J. 60 MHz 6 bit digital to analog converters for the super beam damper of the Fermilab main accelerator 1-42957  
 Passino, N.A., Eberhart, G.E., Holt, H.D. Optics overview—past and present 1-33014  
 Passoni, D. *see* Fanetti, E. 1-31463  
 Passoz, G. *see* de Passoz, G.  
 Pasteur, G. *see* Singh, S. 1-27940  
 Pastukhov, A.A. *see* Mel'nikov, Yu.F. 1-49747  
 Pastukhov, V.N. Pulse conversion of electromagnetic energy in discharges during the operation of inductance and capacitance energy accumulators 1-49661  
 Pasupathy, S. *see* Hirt, W. 1-37511, 1-47427  
 Pasutman, B.V. On the effect of the coil lead coefficient spread on the life of filament lamps 1-31648  
 Pasynkov, V.I. *see* Busurin, V.I. 1-48066  
 Paszek, S. The influence of air gap localization with respect to the solid core on the flux in magnetic circuit of an electric machine 1-49392  
 Paszkowski, B. Electron technology 1-31753  
 Pasztor, E. Pressure dependence and stability of the extracted ion current in arc-discharge-type heavy-ion sources 1-38410  
 Patchell, J. Frequency panorama of magnetic materials 1-46382  
 Pate, A.J. *see* Robinson, J.M. 1-42171  
 Patek, B. Robust coding of indecomposable finite state channels 1-33454  
 Patek, D.R., Tompkins, W.J. A fast microcomputer language for signal acquisition, processing and display 1-34219  
 Patel, A.M., Cote, L.C. Partitioning for VLSI placement problems 1-46247  
 Patel, A.M. *see* Khokhani, K.H. 1-46248  
 Patel, A.P. *see* Wates, R.W. 1-43856  
 Patel, D. *see* Cameron, R. 1-42221  
 Patel, D.C. *see* Hicks, D.S. 1-47047  
 Patel, H.N. *see* Glasspool, W.O. 1-40321  
 Patel, J.N., Tucker, W.B., Wolfenbarger, S.A. Performance analysis of mosaic focal plane processing [using CCDs] 1-47989  
 Patel, J.N. *see* Lee, D.T. 1-47991  
 Patel, K.K. *see* Tripathy, S.C. 1-34843  
 Patel, N.B. *see* Brosson, P. 1-37120  
 Patel, N.B. *see* Prince, F.C. 1-37103  
 Patel, N.G. *see* Patel, S.M. 1-50782  
 Patel, N.I. *see* Davis, L.E. 1-32436  
 Patel, P.D. *see* Anderson, A.P. 1-41306  
 Patel, P.T. *see* Bergeron, D.L. 1-46280  
 Patel, P.T. *see* Carpenter, L.C. 1-46279  
 Patel, R.R. Energy forecast—200 AD 1-49210  
 Patel, S.D., Goldie, H. A 100-kW solid-state coaxial limiter for L-band 1-47733  
 Patel, S.M., Mahajan, M.D. The photovoltaic effect in GaSb films 1-28584  
 Patel, S.M., Mahajan, M.D., Patel, N.G. Effect of substrate temperature and thermal treatment on the properties of flash-evaporated thin films of GaSb 1-50782  
 Patel, V.V. *see* Engler, E.M. 1-52530  
 Patel, V.V. *see* Kaufman, F. 1-50342

- Patel, V.V. *see* Tomkiewicz, Y. 1-27715  
 Patel, Y.C. *see* Wienberg, R. 1-39503  
 Pateraus, G. *see* Harrison, H.B. 1-34565  
 Paternann, C., Stein, G. INFCE's main results with respect to developing countries 1-30870  
 Paterson, J.M. PEP 1-42861  
 Paterson, J.M. *see* Olson, C.W. 1-42948  
 Pathak, P.H., Burnside, W.D., Nan Wang, Chu, T. Near and far field airborne antenna pattern analysis 1-41316  
 Pathak, P.H., Ersoy, L. An asymptotic high frequency analysis of the radiation from sources on perfectly-conducting structure with an impedance surface patch 1-41318  
 Pathak, P.H., Huang, C.C. Ray analysis of EM backscatter from a jet intake configuration 1-51597  
 Pathak, P.H., Nan Wang, Burnside, W.D., Kouyoumjian, R.G. A uniform GTD solution for the radiation from sources on a convex surface 1-47012  
 Pathak, P.H. *see* Burnside, W.D. 1-41225  
 Patil, S.S. *see* Goates, G.B. 1-46245  
 Patkar, V., Saxena, P.C., Parkash, O. Dual program for a convex fractional function 1-44985  
 Patou, C. *see* Bruno, C. 1-52663  
 Patoux, A., Perot, J. A new accelerator superconducting dipole suitable for high precision field 1-40873  
 Patoux, A. *see* Aleksan, R. 1-48582  
 Patramanskii, B.V. *see* Zenin, E.I. 1-36020  
 Patranabis, D., Paul, A.N. Generating a family of grounded capacitor ideal integrators and differentiators 1-36244  
 Patrick, P.J., Steele, R., Xydeas, C.S. Voiced/unvoiced band-switching system for transmission of 6 kHz speech over 3.4 kHz telephone channels 1-33745  
 Patrick, P.J., Xydeas, C.S. Speech quality enhancement by high frequency band generation 1-51808  
 Patrick, P.J., Xydeas, C.S., Steele, R., Cham, W.K. Wideband quality speech encoders with bit rates of 16-32 kbits/s 1-41585  
 Patrick, R.J. Testability and digital models 1-40070  
 Patryn, R. Transitionless synthesis of speech 1-51793  
 Patten, M.A., Watkins, R.V. Electronic status multiplexer, discriminator and timer for multiple devices 1-47486  
 Patterson, B.T. The challenge of interconnection 1-40302  
 Patterson, F.K. *see* Day, S.M.D. 1-40322  
 Patterson, M.S. *see* Foster, F.S. 1-48690  
 Patterson, R.B., III *see* Beasom, J.D. 1-36673  
 Patterson, R.P., Maxfield, L. Portable voiding alarm for use with spinal-cord injured patients 1-52803  
 Patterson, T.N.L. *see* Bogues, K. 1-35925  
 Patterson, W.R., III *see* Schenker, P.S. 1-41834  
 Pattini, F. Considerations on digital radio links 1-29602  
 Pattini, F. *see* Moreno, L. 1-47653  
 Patton, A.D., Singh, C., Sahinoglu, M. Operating considerations in generation reliability modeling—an analytical approach 1-38694  
 Patton, A.D., Singh, C., Sahinoglu, M. Operating considerations in generation reliability modeling—an analytical approach 1-43541  
 Patton, A.D. *see* Blackstone, J.H., Jr. 1-31912  
 Patton, H.G. *see* Speck, D.R. 1-51409  
 Patton, J. *see* Man-Loong Chan 1-43598  
 Patton, J. *see* Ross, D.W. 1-43664  
 Patton, R.D. *see* Fazio, M.V. 1-48345  
 Patton, R.D. *see* Reid, D.W. 1-42909  
 Patton, R.N., Smith, R.G., Lee, G.S. An instrument to monitor temperature and calculate ratings for underground power cables 1-34193  
 Patton, R.N. *see* Lee, G. 1-30749  
 Patton, R.N. *see* McCourt, J.W. 1-34960  
 Paturzo, B.A. IC programmable sound generator 1-52294  
 Patzak, K. *see* Hartmann, E. 1-44288  
 Patzak, R. Coal petrol and SNG alternatives for the future? 1-38846  
 Patzold, S. *see* Degele, D. 1-43142  
 Patzold, S. *see* Rossbach, J. 1-42785  
 Pau, L.F. Semiconductor ICs: integrated testing and algorithms for visual inspection 1-28079  
 Pau, L.F. Detector layout and scanning for an infrared source classification system 1-47951  
 Pauchard, R. *see* Chekroun, C. 1-33408  
 Paul, A.C. *see* Briggs, R.J. 1-48400  
 Paul, A.K., Mackison, D.L. Scaling of the F-layer critical frequency from digital ionograms applied to observations during the solar eclipse on 26 February 1979 1-33346  
 Paul, A.N. *see* Patranabis, D. 1-36244  
 Paul, D.B. The spectral envelope estimation vocoder 1-47147  
 Paul, D.I. *see* Rothwarf, R. 1-46426  
 Paul, D.K., Shevgaonkar, R.K. Multimode propagation in anisotropic optical waveguides 1-51195  
 Paul, D.K. *see* Modell, G. 1-45896  
 Paul, D.M. *see* Kelly, F. 1-52450  
 Paul, D.W., Crawford, R.J. Ultrasonic moulding of plastic powders 1-30584  
 Paul, H., Tan Chee Heng A method for optimization of telephone junction networks 1-37695  
 Paul, I., Woods, J.W. Intersection filters for general decimation/interpolation 1-47200  
 Paul, I. *see* Stark, H. 1-33686  
 Paul, I. *see* Woods, J.W. 1-40124  
 Paul, J.A., Yen, P. 94 GHz subharmonic mixer using beam lead diodes 1-45660  
 Paul, J.A. *see* Yen, P. 1-47063  
 Paul, J.L. *see* Schlecht, R.G. 1-28689  
 Paul, M. On-line fault distance calculation with digital computers [for HV transmission lines] 1-30838  
 Paul, M. Transient behaviour of the fault distance calculation with microcomputers 1-49161  
 Paul, M. *see* Henning, W. 1-42856  
 Paul, M.D. *see* Cohen, M.J. 1-35383  
 Paul, P. *see* Ben-Zvi, I. 1-48428  
 Paul, R. Field effect controlled semiconductor four-layer configuration DD-WP 140944 1-28012  
 Paul, R. *see* Sethi, V.S. 1-29982  
 Paul, S.N., Bose, S.K. Effect of temperature on etching of LR-115 plastic track detector 1-30366  
 Paul, W. *see* Althoff, K.H. 1-42878  
 Paul, W. *see* Kirby, P.B. 1-45940  
 Paul, W. *see* Modell, G. 1-45896  
 Paul, W. *see* Viktorovitch, P. 1-50796  
 Paul, W. *see* Weissfeld, R. 1-50795  
 Paulat, A. A quartz clock with synchronisation to the Omega navigation system, and with coded output signal 1-34020  
 Pauli, R. *see* Geller, R. 1-38395  
 Paulig, E. *see* Skobelev, V.E. 1-31241  
 Paulik, E., Peruth, G. Voltages from 90 to 270 V. Building of a combinatorial circuit with the TDA 4600 1-47794  
 Paulk, M.C. Patterns and factor analysis 1-43297  
 Paulot, C. *see* Augustin, J.E. 1-43230  
 Paulsen, E. *see* Barnett, L.W. 1-31436  
 Paulsen, K. Water or fire: the processor measures and raises the alarm 1-31845  
 Paulsen, K. What should the office of tomorrow look like? 1-33725  
 Paulsen, K. Plug-in protection against power cuts 1-53052  
 Paulsen, V. *see* McGovern, R. 1-44924  
 Paulson, A.S., Grant, I.S. Phase-phase switching surge flashovers: design data 1-43797  
 Paulson, A.S. *see* Grant, I.S. 1-34902, 1-38773  
 Paulson, W. *see* Wilson, S. 1-36554  
 Paulus, E. On the relation between the spectrum of the video signal and the two-dimensional Fourier transform of the image 1-29154  
 Paulus, I. *see* Gebel, R. 1-35282  
 Paulus, T.J., Raudorf, T.W., Coyne, B., Trammell, R. Comparative timing performance of large volume HPGe germanium detectors 1-34502  
 Paulus, T.J. *see* Bly, R. 1-34514  
 Paunovic, Dj.S. *see* Popovic, B.D. 1-41433  
 Paunovic, R. *see* Milutinovic, V. 1-27368  
 Paura, L. *see* Izzo, L. 1-47095  
 Pautienus, R.P. *see* Mergerian, D. 1-46568  
 Pautkina, L.R. *see* Lezhnyuk, P.D. 1-43630  
 Pautz *see* Aylott 1-49822  
 Pauwels, H., De Vos, A. Determination of the maximum efficiency solar cell structure 1-49696  
 Pauwels, H. *see* De Vos, A. 1-41009  
 Pauwels, H.J. *see* Burgelman, M. 1-31450  
 Pavan, P. *see* Galeazzi, G. 1-43255  
 Pavelek, M. *see* Liska, M. 1-34399  
 Pavelescu, M., Dumitrescu, H., Stoica, M.V., Gheorghe, A. Possible optimal development strategies of some nuclear power integrated systems 1-35009  
 Pavelescu, M. *see* Ursu, I. 1-38856  
 Pavelets, S.Yu. *see* Kantariya, R.V. 1-49668  
 Pavelka, J. Swinging of a synchronous motor 1-38963  
 Pavelko, T.M. *see* Lukyanchikova, N.B. 1-33166  
 Pavel'ye, A.G., Kucheryavenko, A.I. Effect of atmospheric refraction on the energy distribution of a reflected signal from the surface of Venus 1-46895  
 Pavey, I.D. *see* Hughes, J.F. 1-37272  
 Pavey, M. LSI testing—a practical solution 1-46222  
 Pavin, N.Ya. *see* Kasatkin, B.A. 1-30104  
 Pavitt, K. Industrial R&D and the British economic problem 1-26839  
 Pavlasek, T., Mishra, S. The e.m. environment, its simulation and measurement 1-37322  
 Pavlasek, T.J.F. *see* Muresan, L.V. 1-51753  
 Pavlenko, V.I. *see* Egorov, V.V. 1-43881  
 Pavlenko, V.K. *see* Egorov, E.P. 1-49406  
 Pavlenko, V.S. *see* Gordon, E.B. 1-37080  
 Pavlik, J., Mastihuba, M., Sajgalik, P. The forming network as the rectangular current pulse supply for the explosion of a thin wire 1-27238  
 Pavlikov, S.A. Finding the parameters of the gas-vapour bubble surrounding an electrical arc in transformer oil 1-44150  
 Pavlikov, S.A. *see* Polyakov, V.E. 1-31286, 1-44147  
 Pavlinec, P. The Skagerrak DC transmission line—the world's longest cable transmission 1-38724  
 Pavlopoulos, T.G. The dye mixture perylene/rhodamine 110 1-51399  
 Pavlotskii, Ya.V. *see* Sheftel', I.T. 1-40241  
 Pavlov, A.S. *see* Shtrikman, M.M. 1-53827  
 Pavlov, I.V. Confidence bounds for convex functions of many unknown parameters 1-44895  
 Pavlov, I.V. A fiducial approach in the estimation of the characteristics of complex systems from the results of tests 1-50044  
 Pavlov, I.V. The fiducial approach to establishing confidence limits for functions of many unknowns 1-50144  
 Pavlov, P.A., Privalov, V.Ye. Experimental study of striations in a helium-neon glow discharge 1-33187  
 Pavlov, P.A. *see* Dolbilov, A.S. 1-28648  
 Pavlov, P.A. *see* Kapralov, V.P. 1-52593  
 Pavlov, Yu.P., Rudakov, V.V. Optimizing the operating conditions of an asynchronous drive with thyristor commutators 1-44403  
 Pavlov, Yu.P. *see* Minakov, M.D. 1-52708  
 Pavlova, I.H. *see* Yanachkova, I.M. 1-27188  
 Pavlova, L.V. Method of Chebyshev centers for solving the problem of equilibrium having singularities 1-50222  
 Pavlova, S.A. *see* Racher, I.B. 1-52752  
 Pavlovic, T. Some problems in oil-fired power plants in SR Croatia with special attention on gas-fired power plant 'Jertovec' 1-43921  
 Pavlovich, S.N. Calculating the maximum load current of a direct-coupled frequency convertor 1-35243  
 Pavlovich, S.N. Current loading of rectifiers in a direct frequency converter 1-49559  
 Pavlovskaya, N.G. *see* Lobov, S.I. 1-50712  
 Pavlovskii, A.I. *see* Blokh, A.Sh. 1-41940  
 Pavlovskii, A.I. *see* Bosomykin, V.S. 1-32534  
 Pavlovskii, A.Z. *see* Kiryukhin, V.I. 1-30911  
 Pavlovskiy, L.L. *see* Veksler, G.S. 1-36087  
 Pavlovsky, B., Sebek, A. The principles of designing power networks in residential estates 1-30717  
 Pavlyanchin, S.G. *see* Yugai, E. 1-43916  
 Pavlygin, G.N. *see* Zaborov, A.N. 1-51534  
 Pavlyuk, A.A. *see* Kaminskii, A.A. 1-33127  
 Pavlyukov, A.T. *see* Bakhmutsii, V.F. 1-52413  
 Pavone, G. Conversion substations of the Italian state railways 1-49532  
 Pavros, S.K. *see* Golubev, A.S. 1-36004  
 Pawar, S.H. *see* Mulla, M.R. 1-37025  
 Pawar, S.H. *see* Sabnis, S.G. 1-28573  
 Pawar, S.H. *see* Shikalgar, A.G. 1-37008  
 Pawlak, E.Z. The influence of substrate temperature on the structure and electrical properties of polycrystalline CdHg(Te) layers 1-27794  
 Pawletko, J.P. *see* Mitchell, J.W. 1-44566  
 Pawlewicz, W.T. *see* Martin, P.M. 1-45109  
 Pawlik, J.R., Tsang, W.T., Nash, F.R., Hartman, R.L., Swaminathan, V. Reduced temperature dependence of threshold of (Al,Ga)As lasers grown by molecular beam epitaxy 1-46725  
 Pawlik, J.R. *see* Pollack, M.A. 1-33234  
 Pawlik, M. The optimum place of feed pump in the regeneration system of a power unit 1-43904  
 Pawlikowski, J.M. Band structure and properties of Zn<sub>3</sub>P<sub>2</sub> promising near infrared material 1-45955  
 Pawlikowski, J.M. The transport and photoelectric phenomena in graded band-gap semiconductor layers 1-46618  
 Pawlikowski, J.M. *see* Nauka, K. 1-37028  
 Pawlita, P.F. Traffic measurements in data networks, recent measurement results, and some implications 1-33808  
 Pawlowski, E.J. *see* Brock, G.W. 1-28245  
 Pawluk, K., Schweizer, T., Adamski, J. Automatic programme for determining the magnetic and electric potential distributions by means of finite elements 1-51556  
 Paxton, H.C. *see* Wimet, T.F. 1-49239  
 Paydl, R., Reichert, J. Developments, prospects and possibilities in electronic text transmission 1-29380  
 Payen, G. *see* Damblin, J.-L. 1-47524  
 Payer, H.G. *see* Matthies, H. 1-39719  
 Payne, A.D., Lings, B.J. Topological design of a small resource sharing network 1-29438  
 Payne, B. *see* Kaufman, L. 1-34422  
 Payne, D.N. *see* Baker, J.C. 1-51158  
 Payne, D.N. *see* Barlow, A.J. 1-40892, 1-40954  
 Payne, D.N. *see* Conduit, A.J. 1-33030, 1-36926  
 Payne, D.N. *see* Hartog, A.H. 1-40903  
 Payne, D.N. *see* Sasaki, I. 1-40951  
 Payne, M.A. SI and Gaussian CGS units, conversions and equations for use in geomagnetism 1-52323  
 Payne, R. Modal distribution of backscattered light in a step-index multimode fibre 1-46515  
 Payne, R., Bouthillette, L.O. OTDR study of temperature effects in optical cables 1-36895  
 Payre, P. *see* Declais, Y. 1-30359

- Payton, G.L., Pfaffly, L.G., Reitman, W.R. Laminated mosaic module performance measurements 1-42626
- Paz, J.F. *see de Paz, J.F.*
- Paz de Araujo, C.A. *see* Kwor, R.Y. 1-32096
- Pazhin, Yu.F. *see* Voitovetskii, V.K. 1-30374
- Pazman, A. Optimal designs for the estimation of polynomial functionals 1-35716
- Pazov, P. Temperature-controlled soldering iron 1-35646
- Pazov, P. *see* Marston, R. 1-38195, 1-53524
- Pchel'nikov, Yu.N., Zykova, Ye.V., Ivanova, N.Ye. On a procedure for determining the parameters of equivalent circuits 1-45865
- Peach, D. *see* O'Harold, R. 1-52372
- Peach, R.C. A general approach to the electrostatic problem of the SAW interdigital transducer 1-28201
- Peach, R.C. The application of electronic analysis to generalized SAW transducers 1-32941
- Peachey, C.J. *see* Goodkin, E.M. 1-42264
- Peacock, A. *see* Taylor, B.G. 1-34470, 1-34471
- Peake, A.H. *see* Sander, I.R. 1-28044
- Peaker, A.R. *see* Brunwin, R.F. 1-32642
- Peaker, A.R. *see* Jesper, T. 1-27828
- Pearce, C.W. A high resolution etching technique for determining epitaxial layer thickness 1-36568
- Pearce, C.W. *see* Katz, L.E. 1-32612
- Pearce, C.W. *see* Schmidt, P.F. 1-32740
- Pearce, J.G. Telecommunications switching 1-49874
- Pearce, J.G. *see* Nalcioğlu, O. 1-34592
- Pearce, P. *see* Fiander, D. 1-48355
- Pearce, R.M. *see* Hargrove, C.K. 1-43237
- Pearce, T.H. An FDM hypergroup codec for 140 mbit/s digital systems 1-42040
- Pearlman, W.A. A sliding-block code for small user alphabets with performance near the rate-distortion limit 1-33516
- Pearlman, W.A., Jakatdar, P. Hybrid DFT/DPCM interframe image quantization 1-41829
- Pearsall, N.M., Coutts, T.J., Hill, R., Russell, G.J., Lawson, K.J. Surface damage to InP substrates during RF sputtering. [Solar cells] 1-50329
- Pearsall, T.P. Ga<sub>0.47</sub>In<sub>0.53</sub>As/InP heterophotodiode with reduced dark current and high quantum efficiency 1-37042
- Pearsall, T.P., Hirtz, J.P. The carrier mobilities in Ga<sub>0.47</sub>In<sub>0.53</sub>As grown by organo-metallic CVD and liquid-phase epitaxy 1-40400
- Pearsall, T.P. *see* Hermann, C. 1-37099
- Pearsall, T.P. *see* Takeda, Y. 1-45924
- Pearson, A.D. Fabrication of single-mode fiber at high rate in very long lengths for submarine cable 1-37945
- Pearson, A.D. *see* Lin, C. 1-51528
- Pearson, A.W., Davies, G.B. Leadership, planning and monitoring in R&D 1-31836
- Pearson, C.M. *see* Batchelor, A.S. 1-53293
- Pearson, D.E. Quantization of composite colour television signals 1-52247
- Pearson, E.F. *see* Wall, D.L. 1-52952
- Pearson, G. Dividing by fractions 1-27447
- Pearson, G.L. *see* Lee, S.C. 1-27982, 1-45986
- Pearson, J. *see* Durrani, T.S. 1-43478
- Pearson, J.B. Wafer-identification notching scheme 1-40482
- Pearson, K. Standards: good enough for (US) Government work? 1-29416
- Pearson, K. New services from the European PTTs 1-37678
- Pearson, K.A., Thompson, D.R. Dual entry point gas panel data loading 1-38246
- Pearson, K.A. *see* Pleshko, P. 1-34345
- Pearson, L.W. *see* Michalski, K.A. 1-51676
- Pearson, R. *see* Gray, J.L. 1-49242
- Pearson, R.C. *see* Timberlake, A.B. 1-45841
- Pearston, S.J., Williams, A.A. Ultra-thin laser-aided doped Li contacts on high-purity germanium nuclear radiation detectors 1-52697
- Pease, R.A. High-current voltage regulator works with negative supplies 1-39891
- Pease, R.A. 'Dithering' display expands bar graph's resolution 1-52525
- Pease, R.F.W. Electron beam lithography 1-36545
- Pease, R.F.W. *see* Kamins, T.I. 1-50283
- Pease, R.F.W. *see* Tuckerman, D.B. 1-36654
- Pebler, A.R. *see* Slade, P.G. 1-32464
- Pecaut-Tison, F. *see* Breuneval, J. 1-39473
- Pechenick, K.R., Cohen, J.M. Inverse scattering—exact solution of the Gel'fand-Levitan equation [ionsphere structure measurement] 1-51610
- Pechenov, A.N. *see* Zverev, A.G. 1-28692
- Pecher, H. *see* Fasold, D. 1-41439
- Pechoux, J. *see* Joubert, A. 1-49359
- Pechey, W.L. Techniques to aid network management and modem maintenance 1-41888
- Pecina, R.J., Travis, D.J., Guercio, J.S., Hedtke, P.A. Minicomputer-based test system for analyzing the electronic components of a large scale scientific research instrument 1-47901
- Peck, D.E., Peterson, D.F. A measurement method for accurate characterization and modeling of MESFET chips 1-45677
- Peck, S. *see* Billing, M. 1-42862
- Peck, S. *see* Rice, D. 1-42989
- Peck, S. *see* Seeman, J. 1-43023
- Peck, T. *see* Jamison, S. 1-45682
- Peckerar, M.C., McCann, D.H., Leepo Yu X-ray imaging with a charge-coupled device fabricated on a high-resistivity silicon substrate 1-52381
- Peckham, J.B. Functional overview of an advanced speech recognition system 1-41624
- Peckham, P.H., Poon, C.W., Ko, W.H., Marsolais, E.B., Rosen, J.J. Multichannel implantable stimulator for control of paralyzed muscle 1-43378
- Peddle, R.A., Fielden, J.S. Credit and load management system for an electricity supply utility 1-43582
- Peddle, R.A., Fielden, J.S. Credit and load management system for an electricity supply utility 1-48991
- Pedersen, E. *see* Klemar, B. 1-48706
- Pedersen, F. *see* Delahaye, J.P. 1-48458
- Pedersen, J.F. *see* Kelly, A.J. 1-52095
- Pedersen, N.F. *see* Ducholm, B. 1-36849
- Pedersen, R.J. *see* Silver, A.H. 1-28324
- Pederson, D.J. *see* Arter, N.K. 1-49642
- Pederson, D.O. *see* Newton, A.R. 1-46206
- Pederson, O. *see* Vladimirescu, A. 1-46289
- Pedis, D. *see* de Pedis, D.
- Ped'ko, V.A. *see* Akhromenko, G.E. 1-49346
- Pedotti, A. *see* Cerutti, S. 1-48672
- Pedro, H.E. *see* de Pedro, H.E.
- Pedro, T. *see* de Pedro, T.
- Pedrotti, F.L. *see* Park, Y.S. 1-40406
- Pedrow, P.D., Burrage, L.M., Shohet, J.L. Plasma density measurements using a double Langmuir probe in a prototype vacuum arc fault current limiter 1-43791
- Pedroza, G.C. *see* Kunkler, E.W. 1-31885
- Peebles, P.Z., Jr. *see* Shaik, H.S. 1-43264
- Peebles, W.C., Umstadter, D., Brower, D.L., Luhmann, N.C., Jr. A unidirectional, pulsed far-infrared ring laser 1-41117
- Peek, J.A.F. Water vapor, facet erosion, and the degradation of (Al,Ga)As DH lasers operated at CW output powers of up to 3 mW/ $\mu$  stripe-width 1-37132
- Peel, M.E. Evaluation of tin-lead as a contact finish 1-27648
- Pe'er, A. *see* Kautz, K. 1-30979
- Peercy, P.S., Land, C.E. Optical image storage in ion implanted PLZT ceramics 1-40880
- Peercy, P.S., Land, C.E. Ion-implanted PLZT ceramics: a new high-sensitivity image storage medium 1-40989
- Peeters, H. *see* Boute, R.T. 1-42100
- Pegels, C.C. A Markov chain application to an engineering manpower policy problem 1-31831
- Peggs, S., Talman, R. Observations at CESR and theory of the beam-beam luminosity limitation 1-48519
- Peggs, S. *see* Billing, M. 1-42862
- Peggs, S. *see* Rice, D. 1-42989
- Peggs, S. *see* Seeman, J. 1-43023
- Peghaire, A. *see* Putaux, J.C. 1-52658
- Pegov, A.A., Potapkin, V.I. The effect that the earthing resistance of a lightning-surge counter has on the signal produced 1-38226
- Pegova, I.V. *see* Parshin, V.A. 1-53830
- Pehani, A., Plaper, M. An investigation of static generation reserve margin in Yugoslav system in dependency on interconnections 1-38644
- Pehl, R.H. *see* Darken, L.S., Jr. 1-34454
- Pei Kuo Huei *see* Huei Pei Kuo
- Pei Rong-xiang, Hueng Xiao-yin, Han Jie-ping, Jin Wei-xin A novel photoetching technology without development process 1-27941
- Pei Rongxiang *see* Wang Peida 1-27942
- Pei Soo-Chang *see* Soo-Chang Pei
- Pei Tianli *see* Li Gongpan 1-48549
- Pei-Hwa Lo, Jenq, Y.-C. On the overflow problem in a second order digital filter 1-40138
- Pei-Juan Gao *see* Gao Pei-Juan
- Pei-nuo Yu *see* Yan-zhang Wei 1-53656
- Pei-xia Qiu *see* Qiu Pei-xia
- Pei-zehn Zhou *see* Zhou Pei-zehn
- Peicov, Al.N. The influence, in quasistationary state, of the skin effect and of the proximity effect on the heating of cave cylindrical conductors 1-37263
- Peida Wang *see* Wang Peida
- Peise, G. *see* Kadansky, V. 1-43239
- Peisert, A. *see* Breskin, A. 1-34284
- Peisert, A. *see* Charkap, G. 1-34491
- Peissard, W.G. Security increase with passive infrared detectors 1-26885
- Peiter, A. *see* Lode, W. 1-45136
- Peiwen Zhao *see* Zhao Peiwen
- Pejocoh, J. *see* Dedourek, V. 1-46120
- Pejovic, M.M., Bosan, Dj.A. Influence of electrode temperature on the metastable atom concentration in an argon-filled diode 1-27771
- Pejovic, M.M. *see* Bosan, Dj.A. 1-36424
- Pejovic, S., Krsmanovic, Lj., Gajic, A., Obradovic, D. The damage on a Kaplan turbine and the backwater surge 1-31080
- Pejsek, Z. *see* Roubicek, O. 1-49510
- Pekar, G.S. *see* Lukyanchikova, N.B. 1-33166
- Pekau, O.A., Syamal, P.K. Coupling in the dynamic response of nonlinear unsymmetric structures 1-39643
- Pekelis, V.G. *see* Naletskii, M.M. 1-43659
- Pekmetzi, K. *see* Lagoyannis, D. 1-41484
- Pelagatti, M. Thermal plant: functional safety of electrical installation 1-35517
- Pelc, N.J. *see* Riederer, S.J. 1-34591
- Pelc, P. Influence of illuminating equipment over the investments and effects of roads illumination 1-44476
- Pelczewski, P., Dziennakowski, M. Analysis of wave output and method of choosing parameters of the inverter with follow-up control system 1-31307
- Peleg, B. Coalition formation in simple games with dominant players 1-39516
- Pelensky, R.A. Electrodynamical equations of potentials of boundary layer of electroconductive medium 1-41187
- Peleshko, V.N. *see* Vasil'chenko, V.G. 1-50731
- Pelfer, P. *see* Federici, L. 1-43268
- Pelli, T. An algorithm for recognition and localization of rotated and scaled objects [in given picture] 1-29219
- Peli, T., Lim, J.S. Adaptive filtering for image enhancement 1-41828
- Pelipenko, V.P. *see* Dzubyenko, M.I. 1-51400
- Pelizzone, M., Treyvaud, A. A SQUID susceptibility for fields up to 8.5 Tesla 1-34226
- Pelka, H. The one-chip microcomputer in precision apparatus engineering and measuring techniques 1-35637
- Pelka, H. *see* Knauer, R. 1-30032, 1-30063
- Pelka, P. *see* Dornan, B. 1-27325
- Pelkmann, B. *see* Picard, P. 1-47443
- Pelkowita, L., Havelock, D. Applications of time-varying filter theory to high resolution spectrum estimation 1-32327
- Pelkowitz, L. Frequency domain analysis of wrap-around error in fast convolution algorithms 1-41645
- Pelland, S. *see* Haurie, A. 1-50170
- Pellegrin, J.-L. A review of accelerator instrumentation 1-48472
- Pellegrin, J.-L., Schwarz, H. Control electronics of the PEP RF system 1-42955
- Pellegrin, J.-L. *see* Clendenin, J.E. 1-42991
- Pellegrin, J.-L. *see* Olson, C.W. 1-42948
- Pellegrini, C. The free-electron laser and its possible developments 1-28613
- Pellegrini, C. Longitudinal instabilities in circular accelerator and storage rings 1-42811
- Pellegrini, C. *see* Blewett, J.P. 1-51299
- Pellegrini, C. *see* Wang, J.M. 1-48483
- Pellegrini, G. *see* Carraro, F. 1-29731
- Pellegrini, G. *see* Luvison, A. 1-29729
- Pellegrini, P. *see* Long, S.I. 1-46311
- Pellegrini, R. *see* Furetta, C. 1-48758
- Pellegrino, E. *see* Barbato, C. 1-39172
- Pellegrino, E. *see* Mossino, S. 1-39175
- Pellet, R. *see* Maier, A. 1-38695
- Pelletier, J.M., Gervais, Y., Mukhedkar, D. Dielectric strength of N<sub>2</sub>-He mixtures and comparison with N<sub>2</sub>-SF<sub>6</sub> and CO<sub>2</sub>-SF<sub>6</sub> mixtures 1-46348
- Pelletier, M.G. *see* Delisle, G.Y. 1-47011, 1-47044
- Pelletier, R.A., Robinson, J.J. Self-locating array connector 1-27668
- Pells, H.N.F. *see* Argent, G.G.R. 1-53311
- Pelly, B. *see* Clemente, S. 1-45274, 1-46137
- Pelly, B.R. Applications for power MOSFETs 1-50926
- Pelon, J. *see* Cahen, C. 1-41127
- Pelser, J. Evaluation of the results of the national research programme on wind energy 1-44008
- Pelt, R.W. Van *see* Van Pelt, R.W.
- Peltola, M. Pump control: more than half can be saved 1-30844
- Pelton, E.L., Munk, B.A. Comments on 'currents induced in a wire cross by a plane wave incident at an angle' 1-41297
- Peltonen, J.K. *see* Vowinkel, B. 1-42620
- Pel'ts, B.B., Egorov, L.P., Zatulovskii, L.M., Chalkin, P.M., Freiman, E.A., Kravetskii, D.Ya. Equipment for growing sapphire tubes for high pressure sodium lamps 1-31650
- Pel'ts, B.B. *see* Gitgarts, D.A. 1-31664
- Peltz, G. *see* Miskin, L. 1-28112, 1-32202, 1-45570
- Peluso, R.I. *see* Di Lena, G. 1-45030
- Pelzer, W. *see* Busse, W. 1-43134
- Pemberton, A. Improving the 74S262 character generator 1-45407
- Pemberton, J.H. *see* Leslie, P.J. 1-26898
- Pen-Min Lin *see* Endy, C.E. 1-44919
- Pen-Min Lin *see* Stevens, S.N. 1-32149
- Pen-yu Kuo *see* Kuo Pen-yu
- Pena, J. A digital millivoltmeter 1-30176
- Pena, J. Programmable light attenuator 1-49793
- Pena, J. Precision references for current and voltage. Methods for obtaining references 1-50420
- Pena, J. A universal programmer [electronic lining circuit] 1-50592
- Penavaire, L., Seguignes, J., Lardat, C., Bonnier, J.J., Chevalier, J.Y., Besson, Y. A 120 MHz SAW resonator stabilized oscillator with high spectral purity 1-36774

- Penavaire, L. *see* Planat, M. 1-36760
- Penchina, C.M., Klein, A., Weiser, K. Negative photoconductivity and large lattice relaxation in indium doped lead-tin-telluride 1-28553
- Penciuc, L. *see* Chiriac, T. 1-49074
- Penco, E. *see* Armandillo, E. 1-41054
- Penco, E. *see* Marchetti, R. 1-46699
- Penczynski, P. Possibilities and limits of substituting oil with coal and nuclear power 1-43812
- Pender, F. Cost-effective electricity purchasing 1-49839
- Pender, L.F. *see* Hay, H.J. 1-48671
- Penders, D.R. *see* Kafka, R.J. 1-49013
- Pendik, V.M. *see* Alekseev, E.L. 1-48010
- Pendzick, A. *see* Brown, H. 1-48364
- Penebre, N. *see* McCorkle, R.A. 1-30304
- Penfield, P., Jr., Rubinstein, J. Signal delay in RC tree networks [MOS ICs] 1-46334
- Penfield, P., Jr. *see* Allen, J. 1-46204, 1-50992
- Penfold, R.A. Microphone mixer 1-29928
- Penfold, R.A. Transistor lamp tester 1-30178
- Penfold, R.A. Room thermostat unit 1-31678
- Penfold, R.A. Guitar practice amplifier 1-34145
- Penfold, R.A. 3-stage mW superhet 1-42399
- Penfold, R.A. Proximity lamp switch 1-45573
- Peng, J. *see* Shibata, T. 1-50757
- Peng, S.T., Oliner, A.A., Schwering, F. Theory of dielectric grating antennas of finite width 1-51721
- Peng, S.T. *see* Shiau, M.J. 1-45613
- Peng, S.Y., Chu, R.S., Wong, N.S., Tang, R. Kevlar armored phased-array 1-52156
- Peng Huai-de The examination of dislocations on GaAs-AlGaAs double heterojunction epitaxial wafer 1-32672
- Peng Tan Choon *see* Choon Peng Tan
- Pengelly, R.S. Monolithic microwave circuits 1-36678
- Pengelly, R.S., Suckling, C.W., Turner, J.A. Performance of dual-gate GaAs MESFETs as phase shifters 1-27626
- Pengelly, R.S., Suffolk, J.R., Cockrill, J.R., Turner, J.A. A comparison between actively and passively matched S-band GaAs monolithic FET amplifiers 1-45691
- Penicaud, E. *see* Bremenson, C. 1-42214
- Penicaud, J.P. *see* Acerbi, E. 1-52739
- Penicaud, J.P. *see* Auzolle, R. 1-43102
- Penin, A.M. *see* Malygin, A.A. 1-48091
- Penkina, N.V. *see* Bordina, N.M. 1-28580
- Penkwitt, L., Rosenbaum, D. 60V/1000A transportable rectifier equipment 1-44196
- Penman, J., Chalmers, B.J., Kamar, A.M.A., Tuncay, R.N. The performance of solid steel secondary linear induction machines 1-44122
- Penman, J., Hadwick, J.G., Barker, B. Detection of faults in electrical machines by examination of the axially directed fluxes 1-53413
- Penman, J. *see* Chalmers, B.J. 1-49496
- Penner, S. CW electron accelerators for nuclear physics 1-42792
- Penner, S., Cutler, R.I., Debenham, P.H., Lindstrom, E.R., Mohr, D.L., Wilson, M.A.D., Yoder, N.R., Young, L.M., Boyd, T.J., Knapp, E.A., Martin, R.E., Potter, J.M., Schneider, C.M., Swenson, D.A., Tallerico, P.J. The NBS-LASL CW microtron 1-38340
- Penner, S., Debenham, P.H., Green, D.C., Lindstrom, E.R., Mohr, D.L., Wilson, M.A.D., Young, K.M., Boyd, T.J., Knapp, E.A., Potter, J.M., Swenson, D.A., Tallerico, P.J. NBS-LASL racetrack microtron 1-42871
- Penney, B. The DMS-100: a switch that takes care of itself [electronic switch systems] 1-42080
- Penumalli, B.Reddy *see* Reddy Penumalli, B.
- Penz, P.A., Surtani, K., Wen, W.Y., Johnson, M.R., Kane, D.W., Sanders, L.W., Culley, B.G., Fish, J.G. Plastic substrate LCD 1-46591
- Penzkofer, A., Kraus, J., Sperka, J. Noncollinear phase matched four photon frequency mixing in water 1-41143
- Penzkofer, A. *see* Blau, W. 1-28761
- People, R. *see* McManus, J.B. 1-51519
- Peoples, J. *see* Kells, W. 1-43030
- Peperkamp, J.A.M. *see* Post, J.C. 1-48284
- Peppel, G. *see* Schickel, M. 1-27772
- Peppen, J.C.L. Van see Van Peppen, J.C.L.
- Pepper, R.L., Smith, D.C., Cole, R.E. Stereo TV improves operator performance under degraded visibility conditions 1-52238
- Peraire, S. *see* Faugier, A. 1-48459
- Perala, R.A., DuBro, G.A. Assessment methodology of the lightning threat to advanced aircraft 1-52863
- Perard, J. *see* Boisvineau, C. 1-33147
- Perbet, J.N. *see* Hareng, M. 1-52546
- Perchi, Z.L., Tarnai, A.A. Automatic control and indication of the wavelength of the emission of tunable organic-dye lasers 1-33201
- Perchukov, V.I. *see* Gorokhov, V.P. 1-41014
- Perdrix, M. *see* Jayet, Y. 1-30572
- Perdue, E.M. High speed microwave phase-locked loops 1-50621
- Perea, E.H. *see* Tabatabaie-Alavi, K. 1-39804
- Peregud, V.I. *see* Ageyev, A.I. 1-42866
- Pereira, C. *see* Rivas, J. 1-40776
- Pereira, N.R., Hunter, R.O., Jr. Accelerating particles with transverse cavity modes 1-48442
- Perel, J. *see* Mahoney, J.F. 1-30302
- Perelygin, V.P. *see* Dikov, Y.P. 1-30367
- Peremyakov, V.A. *see* Bagdasaryan, O.V. 1-28967
- Perennou, G. ARIAL II: system for speech recognition 1-29140
- Perenyi, K. Investigations on the conditions of outdoor use of cable sheathing polyethylene compounds [telecommunications] 1-47507
- Perepezko, J.H. *see* Wiley, J.D. 1-36491
- Perera, I.K. *see* Deka, B.K. 1-37064
- Peret, J. Study of the dielectric breakdown of insulating mineral oils under impulse voltages 1-51034
- Peretyagin, I.V., Poronik, B.I. Video signal recording with the 'Elektronika LI-08' video tape recorder 1-29913
- Pereverzev, D.A., Kostykin, V.A., Palei, V.A. Simulation and investigation of the cooling processes of high-capacity turbine units 1-49285
- Perevozchikov, N.F. *see* Denisov, Yu.V. 1-37204
- Perez, C.A. *see* Bradley, P.J. 1-29324
- Perez, E.J., Del Valle, J.L. The prospects for photovoltaics in Mexico 1-53659
- Perez, F., Kailath, T., El Gamal, A. Maximum variance stochastic realizations 1-37584
- Perez, H.S., Schwarz, T.A. Biased magnetoresistive head 1-28243
- Perez Ferreira, E., Mariscotti, M.A.J., Ventura, E., Ceballos, A., Fazzini, N., Filevich, A., Gonzalez, H., Requejo, R., Ribarich, R., Rossi, J.J., Achterberg, E., Camin, D., Nicolai, J., Tau, S. The Argentine 20 MV tandem accelerator project 1-42853
- Perez Moreno, H. *see* De Loof, E. 1-30179, 1-34237, 1-42529
- Perez-Mendez, V. *see* Lum, G.K. 1-34464
- Perez-Mendez, V. *see* Tam, K.C. 1-33603
- Perfetto, A. *see* Pagano, E. 1-53380
- Peri, D., Chu, P.L. Measurement of refractive-index profile of optical-fibre preform by means of spatial filtering 1-40888
- Peri, D. *see* Chu, P.L. 1-33028
- Periale, L. *see* Badino, G. 1-48611
- Periasamy, N., Schafer, F.P. Laser amplification in an optical fiber by evanescent field coupling 1-28435
- Peric, S. *see* Mortiss, J.R. 1-35316, 1-44250
- Pericchi, L.R. A Bayesian approach to transformations to normality 1-35736
- Pericoli-Ridolfini, V. *see* Annaratone, B. 1-28302
- Perillan, L.B., Rowbotham, T.R. INTELSAT VI: SS-TDMA system definition and technology development 1-47646
- Perin, C. *see* Murty, K.G. 1-44901
- Perin, R. *see* Billan, J. 1-48530
- Pering, R.D. *see* Karner, H.E. 1-38502
- Perini, J. Proposed method to eliminate errors in antenna pattern measurements due to reflections 1-51699
- Perino, U. *see* Giglio, M. 1-30254
- Perino, M. *see* Brosio, A. 1-29732
- Perkins, F.W., Goldman, M.V. Self-focusing of radio waves in an underdense ionosphere 1-46876
- Perkins, R.J. Sensor for driving a solar panel to track the sun 1-38170
- Perkins, R.J. *see* Herring, G.S. 1-30215
- Perkins, W.E. *see* Mayer, D.C. 1-40703
- Perkovac, M. A mathematical model of a regulation loop with a voltage controlled induction motor 1-49445
- Perks, A.J. *see* Burrows, B.L. 1-26977
- Perks, R., Dudley, P., Lenaerts, G. Evolution of a circuit design on porcelainised steel 1-45805
- Perl, Y., Yesha, Y. Mean flow scheduling and optimal construction of a treelike communication network 1-33707
- Perl, Y., Zaks, S. Deficient generalized Fibonacci maximum path graphs 1-35806
- Perlato, V.G. *see* Gitis, M.B. 1-48271
- Perloff, D.S., Gan, J.N., Wahl, F.E. Dose accuracy and doping uniformity of ion implantation equipment 1-27935
- Perloff, D.S., Hwang, D.H., Hasan, T.F., Frey, J. Microelectronic test structures for characterizing fine-line lithography [VLSI technology] 1-40670
- Perminov, Yu.A. *see* Vernov, N.I. 1-38302
- Permitin, G.V. *see* Kondrat'ev, I.G. 1-51624
- Permyakov, B.A. *see* Gerasimov, V.P. 1-38788
- Permyakov, V.A. *see* Kuvayev, V.M. 1-47026
- Permyakov, Yu.V. *see* Vartanov, V.S. 1-52746
- Pernice, A. How to increase the safety of the patient 1-34558
- Peron, M. *see* Christ, A. 1-38927
- Perona, J.J. *see* Knight, J.F. 1-31072
- Peronneau, P.A. *see* Hoeks, A.P.G. 1-43301
- Perot, J. Saclay superconducting dipole models for 'UNK' 1-48531
- Perot, J. *see* Auzolle, R. 1-30297
- Perot, J. *see* Patoux, A. 1-40873
- Perotin, M. *see* Bordure, J. 1-53681
- Perotto, J.F. *see* Martin, J.C. 1-27456
- Peroutky, D.C. *see* Blodgett, F.M. 1-47350
- Perov, A.V. *see* Grebennik, V.S. 1-39830
- Perovic, B. *see* Nikolic, P.M. 1-34299
- Perovic, B. *see* Tanovic, N. 1-34419
- Perovic, B. *see* Trbojevic, D. 1-30117
- Perram, C. *see* Jensen, J. 1-49710
- Perreault, P.D. Civilian receivers navigate by satellite 1-47751
- Perrella, N.J. *see* Olken, M.I. 1-42559
- Perret, J., Recoupe, P., Fournie, R. Contribution to the study of water-treating 1-53122
- Perret, J.J. An outstanding function generator 1-38212
- Perret, R. *see* Poloujadoff, M. 1-49460
- Perri, A.G. *see* Andresciani, V. 1-45637
- Perrin, J. *see* Drevillon, B. 1-45106
- Perrin, J. *see* Mohammad-Djafari, A. 1-43341
- Perring, D. *see* Randall, J.P. 1-32565
- Perrins, W.T. *see* McPhedran, R.C. 1-33307
- Perriollat, F. *see* Baribaud, G. 1-42934, 1-42939
- Perrocheau, J. *see* Croset, M. 1-27934
- Perron, B. The figure-8-knot is real algebraic 1-44909
- Perrone, A. *see* Luches, A. 1-32537
- Perrone, M.R. *see* Luches, A. 1-32537
- Perrott, E., Padma, M.S. The international transfer of a self-instructional teacher-training course from Britain to India 1-35571
- Perrotta, G. Combining the advantages of FDMA channelized and demodulating repeaters with on-board time division multiplex processing for new communication satellite systems 1-29692
- Perry, C. *see* Gewirtz, H. 1-52772
- Perry, C.H. Aluminium evaporation of spacer strips [plasma panel displays] 1-27142
- Perry, C.H., Simmons, G.I. Glass deposition on spacer strip 1-27769
- Perry, D.J. Scaling transformation of multiple-feedback filters 1-45479
- Perry, J. *see* Bourne, J. 1-42071
- Perry, J.T., Sondak, N.E. A data communications course for information systems majors 1-39310
- Perry, K.R. A distributed- $\mu$  implementation of the LMS algorithm 1-37505
- Perry, L.D. *see* Beistle, R.G. 1-45748
- Perry, L.D. *see* Mericle, R.G. 1-40285
- Perry, P. *see* Groves, C. 1-40722
- Perry, T.S. INPO: utilities create their own policeman 1-38868
- Persans, P.D., Fritzsche, H. Infrared quenching of photoconductivity: recombination in a-Si:H 1-46606
- Persechini, D.L. Useful method for observing input face and focused beam launch conditions for optical waveguides 1-36883
- Pershin, A.A., Glushkova, L.T. Nomenclature and design principles of neutron moisture meters and means of calibrating them 1-34401
- Pershin, A.A. *see* Strokovskii, A.K. 1-34402
- Pershin, I.I. *see* Buklei, A.E. 1-30325
- Pershina, L.P. *see* Zakegim, A.L. 1-51292
- Persinger, R.R., Gruner, R.W., Effland, J.E., DiFonzo, D.F. Operational measurements of a 4/6-GHz adaptive polarization compensation network employing up/down-link correlation algorithms 1-46927
- Persky, G., Enger, C., Selove, D.M. The Hughes Automated Layout System—automated LSI/VLSI layout based on channel routing 1-46237
- Persson, B. *see* Ivars, R. 1-30487
- Persson, E. *see* Abrahamsson, P. 1-37801
- Persson, M. *see* Johansson, J. 1-28197, 1-28198
- Persson, O. Critical comments on the gatekeeper concept in science and technology 1-26844
- Persson, U. *see* Lundqvist, S. 1-52948
- Perucca, J.R. *see* Candy, J.C. 1-52015
- Perusko, U. *see* Nozica, Z. 1-35668
- Peruth, G. *see* Paulik, E. 1-47794
- Pervova, A.I. *see* Liseykin, I.D. 1-35046
- Perycz, S. Defining peripheral efficiency of the last stage of a large condensing turbine 1-53277
- Perz, M.C., Raghuvver, M.R. Analysis of radio interference magnetic field lateral profiles of lossy AC and DC power lines 1-30770
- Pesak, J. On the problem of visualisation of the tip of a biradial stylus 1-34127
- Pesavento, F. *see* Norde, H. 1-40449
- Pesch, J.A. *see* Goodrich, R.A. 1-39232
- Peschardt, E. Compensation of the resistive and reactive transverse wall impedance in the ISR with a feedback system 1-48480
- Peschke, E.F. *see* Fischer, P. 1-53098
- Peschl, H. The letter code on wound capacitors. I 1-32416
- Peschl, H. The letter code of wound capacitors. II. Non-standardized designations aggravate servicing 1-50640
- Peschon, J. *see* Yamayee, Z.A. 1-43525, 1-48959
- Peshkin, M.A. Integrator for measuring magnetic fields 1-48210
- Peshkov, I.B. Achievements and principal directions of development of the cable industry 1-31874
- Peshkov, I.B., Zarina, N.A. USSR rules for winding wires based on IEC 1-40260
- Peshwe, V.B., Diwan, S.G., Joseph, A., Desa, E. Wave and tide gauge 1-30552

- Peskin, A.M. Computer technology forecasting at the national laboratories 1-31834
- Pessa, M., Makela, R. Characterization of surface exchange reactions used to grow compound films 1-27114
- Pessacq, R.A. *see* Beroqui, M.C. 1-31186
- Pesselhoy, J. *see* Fender, G. 1-47748
- Pessina, G., Franzosi, G. A new approach to the automatic evaluation of good commutation field limits of DC statically fed machines 1-53487
- Pessoa, F. Estimation of the error of a decision function 1-39514
- Petasch, H. Time-division multiplexed, microprocessor-controlled exchange module 1-33881
- Peter, A. Application of laser beam methods for alignment and control problems in East Germany 1-28822
- Peter, E.St. *see* St. Peter, E.
- Peter, F., Konig, H.-H., Schuller, K.H. State and development of thermal power station technology 1-53236
- Peter, F. *see* Dittmer, H.-J. 1-53256
- Peter, H.W., Cunningham, H.J. The development of engineers as managers 1-26822
- Peter, J.-M., Coulthard, N. Transistors versus thyristors for energy conversion? 1-44194
- Peter, M. Semiconductor encapsulations: Quick-connect 1-31890
- Petermann, K. Nonlinear distortions and noise in optical fiber communication systems 1-37933
- Petermann, K. Some relations for the far-field distribution of semiconductor lasers with gain-guiding 1-46750
- Petermann, K., Weidel, E. Semiconductor laser noise in an interferometer system 1-41129
- Petermann, K. *see* Bohm, K. 1-33034
- Petermann, K. *see* Weidel, E. 1-37161
- Petermann, K. *see* Wolk, C. 1-37127
- Peters, F. *see* Degele, D. 1-43142
- Peters, F. *see* Rossbach, J. 1-42785
- Peters, H. Two-channel TV sound 1-29850
- Peters, J. *see* Kirchgesner, J. 1-48534
- Peters, J.W., Gebhart, F.L., Hall, T.C. Low temperature photo-CVD silicon nitride: properties and applications 1-46082
- Peters, K. Stand by for power [telecommunication] 1-47464
- Peters, K. *see* Albrecht, W. 1-52106
- Peters, K. *see* Kelly, S. 1-44324
- Peters, L., Jr. *see* Chan, L.C. 1-37956, 1-42308
- Peters, M.H. *see* Oliva, T.A. 1-50114
- Peters, R. *see* Forster, R. 1-42976
- Peters, R.A. *see* Refai, T.F. 1-28330
- Peters, T.M. *see* Thompson, C.J. 1-48681
- Petersen, D. System compatible measuring instruments with IEC-bus 1-47918
- Petersen, D., Preuss, A. B8010 system controller—a universal control unit for system-compatible measuring instruments 1-34198
- Petersen, D.P. An undergraduate laboratory for digital control and signal processing 1-35580
- Petersen, G. *see* Charpak, G. 1-34469
- Petersen, G. *see* Melchart, G. 1-48615
- Petersen, J. *see* Stangerup, P. 1-49631
- Petersen, K. Operational control centres for Stuttgart S-Bahn 1-39162
- Petersen, K.M. *see* Kerlin, T.W. 1-52447
- Petersen, P.E. *see* Engh, R.O. 1-32049
- Petersen, P.E. *see* Kawanishi, H. 1-51464
- Petersen, R.C., Weiss, M.M., Minneci, G. Nonionizing electromagnetic radiation association with video-display terminals 1-30483
- Petersen, W. *see* Kohler, W. 1-38845
- Petersen, W.C., Decker, D.R., Gupta, A.K., Dully, J., Ch'en, D.R. A monolithic GaAs 0.1 to 10GHz amplifier 1-45687
- Petersen, W.C. *see* Decker, D.R. 1-45690
- Petersohn, U., Stahn, H. Computer aided preproduction planning 1-49942
- Peterson, A.M. *see* Alphas, A. 1-36270, 1-41772
- Peterson, A.M. *see* Mohiuddin, K.M. 1-37474
- Peterson, A.M. *see* Soong, F.K. 1-37613
- Peterson, C. The impact of high speed MOS ROMs 1-28037
- Peterson, D.F. *see* Peck, D.E. 1-45677
- Peterson, E. *see* Jonckheere, A. 1-30300
- Peterson, G.D., Gardner, C.S. Cross-correlation interference effects in multiaccess optical communications 1-33970
- Peterson, G.E., Carnevale, A., Paek, U.C. Comparison of vector and scalar modes in the lightguide with a hyperbolic secant index distribution 1-28953
- Peterson, G.E., Carnevale, A., Paek, U.C., Fleming, J.W. Numerical calculation of optimum  $\alpha$  for a germania-doped silica lightguide 1-46500
- Peterson, G.E. *see* Paek, U.C. 1-46501
- Peterson, G.W. *see* Carroll, M.P. 1-52339
- Peterson, I.R. *see* Halgren, R.C. 1-39986
- Peterson, J.E. Fast compact NRZI decoding algorithm 1-51781
- Peterson, J.E. *see* Leitzen, J.T. 1-47425
- Peterson, J.G. *see* Kawahara, S.K. 1-28100
- Peterson, J.M., Brown, K.L., Truher, J.B. Design features and operational characteristics of the PEP beam-transport and injection system 1-48385
- Peterson, K. *see* Kino, G.S. 1-38611
- Peterson, R.J. *see* Becchetti, F.D. 1-38413
- Peterson, S. *see* Mark, R.G. 1-52781
- Peterson, S. *see* Schluter, P. 1-48729
- Peterson, S.R. *see* Engh, R.O. 1-32049
- Peterson, T. Planning and specification of power lines 1-30760
- Peterson, T.L., Boll, S.F. Acoustic noise suppression in the context of a perceptual model 1-41597
- Peterson, W. Electrodynamical forces acting on a conductor with elliptic cross section in the slot of an electric machine 1-31156
- Peterson, W.C. Kalman filtering and Markov noise 1-41779
- Peterson, W.G. *see* Hasibar, R.M. 1-34946, 1-39081
- Petersson, K. *see* Pahlm, O. 1-52789
- Petersson, S. *see* Norde, H. 1-40449
- Pethica, J.B. *see* Pashley, M.D. 1-34359
- Petiau, P. *see* Brissou, V. 1-43241
- Petit, B. *see* Feidt, M.L. 1-50719
- Petit, J.-P., Maitre, X. Applications of digital filtering and interpolative noise shaping techniques to PCM coding, decoding and filtering 1-29104
- Petit, J.P.Le *see* Le Petit, J.P.
- Petit, P., Desaintfuscien, M., Audoin, C. Temperature dependence of the hydrogen maser wall shift in the temperature range 295-395K 1-29962
- Petit, R. *see* Hugonin, J.P. 1-41278
- Petit, V. Speech noise discrimination and its applications 1-29137
- Petitclerc, T. *see* Gougerot, L. 1-38270
- Petkau, A.J. *see* Chernoff, H. 1-31939
- Petlenko, B.I. Equipment for experimental determination of the mechanical characteristics of linear motors 1-30049
- Petlenko, B.I., Baimukhanov, Zh.S. Automatic control during the production of foam components 1-53489
- Petlenko, B.I., Dergachev, A.E. Calculation of dynamic braking forces of one-sided linear asynchronous motors with combined secondary circuit 1-44080
- Petlenko, B.I. *see* Krukovskii, L.E. 1-52610
- Peto, G., Lohner, T. Photoelectric properties of ion-implanted silicon 1-36999
- Petr, J. Dielectric relaxation phenomena in polymers 1-51031
- Petranovic, D. The Monte Carlo method [availability estimation] 1-35731
- Petrash, G.G. *see* Zemskov, K.I. 1-38146
- Petrecca, G., Lamanna, T., Poso, B., Impecora, G. The use of electric vehicles in Italy. II. Possibility of a traffic system based on electric vehicles in the centre of Rome 1-39160
- Petrecca, G. *see* Anzaldi, E. 1-31526
- Petrecca, G. *see* Bassi, E. 1-53711
- Petrenko, A.I., Smirnov, A.M., Gumen, N.B. A comparative study of implicit methods for integration of systems of differential equations in solution of model problems 1-39675
- Petrenko, I.S., Finkel', V.A. Experimental investigation of thermomagnetic energy conversion using dysprosium 1-53696
- Petrenko, V.F. *see* Zaretskii, A.V. 1-27812
- Petretis, B., Rinkunas, R., Kononenko, S. Discharge mechanism of electrophotographic selenium layers in darkness 1-41185
- Petri, K. *see* Faludi, A. 1-52993
- Petrichenko, A.M. *see* Moshenskii, Yu.A. 1-44530
- Petric, P. Tantalum bead-type capacitors 1-45717
- Petridis, V.S. A method for bearings-only velocity and position estimation 1-33995
- Petrie, G. *see* Plant, T.K. 1-51284
- Petrie, G.W. *see* Hecht, D.L. 1-33098
- Petriu, E. *see* Naornita, I. 1-27567
- Petroff, P.M., Weisbuch, C., Dingle, R., Gosard, A.C., Wiegmann, W. Luminescence properties of GaAs-Ga<sub>1-x</sub>Al<sub>x</sub> double heterostructures and multiquantum-well superlattices grown by molecular epitaxy 1-45972
- Petroff, P.M. *see* Weisbuch, C. 1-40390
- Petroff, Y. *see* Deacon, D.A.G. 1-46661
- Petrofsky, J.S. Digital controlled handgrip dynamometer for isometric performance studies 1-52757
- Petrofsky, J.S. *see* Glaser, R.M. 1-52759
- Petrofsky, J.S. *see* Turner, D.F. 1-52758
- Petrosyan, S.G. *see* Arutyunyan, V.M. 1-32600, 1-32681
- Petrov, A. *see* Minchev, P. 1-35513
- Petrov, A.S. *see* Akhmanev, V.B. 1-34357
- Petrov, A.S. *see* Egorov, Yu.P. 1-27372
- Petrov, A.S. *see* Voitsekhovskii, A.V. 1-27801
- Petrov, B.N., Dementyev, G.P., Khrounov, E.V., Krymov, A.B., Mitroshin, E.I., Naidenov, V.P., Vova, V.E., Sergeichik, V.N. Study of automatic and manual control problems of space-plane atmospheric flight under simulated g-load effect 1-38547
- Petrov, B.N. *see* Bel'giy, V.V. 1-38826
- Petrov, B.Ye. The steady-state stability of high-frequency relaxation oscillators with respect to small perturbations 1-27343
- Petrov, E.V. *see* Ovchar, V.G. 1-31030
- Petrov, G.L., Levchenko, A.M. Classification tests on welding electrodes to determine the diffusible hydrogen content in accordance with GOST 23388-78 1-35545
- Petrov, G.V. The effect of spread in the parameters of matching circuits and active elements on the characteristics of hybrid integrated circuits in balanced amplifiers 1-36121
- Petrov, L.P. *see* Lisogorskaya, L.P. 1-42379
- Petrov, M.P., Marakhonov, V.I., Shlyagin, M.G., Khomenko, A.V., Krasin'kova, M.V. Use of PRIZ spatial modulator for information processing 1-28528
- Petrov, N.B., Tryapitsyn, A.V., Stepchenko, S.S., Emets, N.G. Calibrator for nonlinearity-measuring noise meters 1-38287
- Petrov, O.A. *see* Ershov, A.M. 1-53141
- Petrov, S.V. Some features of the operation of an inductance-capacitance transformer with a DC plasmatron 1-31304
- Petrov, V.A. *see* Demidov, B.A. 1-52620
- Petrov, V.A. *see* Lingart, Yu.K. 1-30277
- Petrov, V.M. *see* Kremer, I.Ya. 1-51729
- Petrov, V.P., Karakulev, Yu.A. Method of mutual compensation for the errors of angle transducers 1-30124
- Petrov, Yu.P. *see* Abdullaev, N.D. 1-35149
- Petrova, A.G. *see* Burgov, V.Ya. 1-28418
- Petrova, A.P., Rogov, N.S., Marukhlenko, M.M., Goncharov, A.V. Use of VK-28M and VK-48 cements in manufacturing fiber lightguides 1-46541
- Petrova, L.G. *see* Dobryak, D.S. 1-33362
- Petrova, M.D. *see* Atanasov, P.A. 1-33184
- Petrova, V.G. *see* Mel'nikov, Yu.M. 1-37379
- Petrova, V.I. *see* Gerberge, A.N. 1-48850
- Petrova, V.Z. *see* Bazzhim, Yu. 1-52457
- Petrovic, B. *see* Etlinger, B. 1-36502
- Petrovskii, A.A. Investigating possibilities of using probability rounding-off in digital filters 1-45526
- Petrovskii, V.N. *see* Kozin, G.I. 1-37082
- Petrovskii, G.T. *see* Grigor'yants, V.V. 1-33057
- Petrow, J. District-heating in the USSR 1-38889
- Petruk, A.I. *see* Krasnoschapka, D.M. 1-31195
- Petrinin, A.P. *see* Kuchinskii, P.V. 1-42569
- Petrin'kin, V.Yu. *see* Aleksandrov, G.N. 1-30805
- Petrin'kin, V.Yu. *see* Kotov, O.I. 1-33254
- Petrusch, W. *see* Verma, M.P. 1-34912
- Petrushchenkov, V.A. *see* Barilovich, V.A. 1-43977
- Petrutsas, G. Land mobile interconnect: an update 1-52061
- Petry, H. *see* Gremmel, H. 1-49639
- Petryaev, E.P., Yakovlev, B.V., Kovalevskaya, A.M., Vlasova, V.I., Shlyk, V.G. Application of ionising radiation in the treatment of sewage for topping-up cooling systems in thermal electric stations 1-38902
- Pettenpaul, E., Huber, J., Weidlich, H., Flossman, W., Von Borcke, U. GaAs Hall devices produced by local ion implantation 1-40535
- Pettenpaul, E. *see* Weidlich, H.P. 1-27329
- Petter, B., Schonwalder, K. Experiences in the commissioning, acceptance tests and maintenance of EZMG signal boxes 1-44444
- Pettersen, T. *see* Bjontegaard, G. 1-41363
- Pettersson, G. *see* Hamacher, H.-H. 1-42019
- Pettersson, H. *see* Ask, P. 1-43272
- Pettersson, T. *see* Baribaud, G. 1-42939
- Pettersson, T. *see* Blechschmidt, D. 1-42936
- Pettigrew, M.B. *see* Terman, L.M. 1-28130
- Pettit, G.D. *see* Kirchner, P.D. 1-35942
- Pettit, R. Earth leakage circuit breaker time tester 1-38217
- Pettitt, C. MF broadcast antenna systems 1-42370
- Pettitt, C.A. Antennas for broadcasting 1-29841
- Pettitt, M.J. *see* Epworth, R.E. 1-36909
- Petts, C.R. *see* Ameri, S. 1-34372
- Pettus, R.O. *see* Honnell, M.A. 1-39964, 1-41486, 1-41487
- Pettus, W. *see* Zankl, G. 1-48602
- Petuchowski, S.J., DeTemple, T.A. Optimum emission polarization and power enhancement in circularly polarized optically pumped lasers 1-37201
- Petukhov, V.O. *see* Bertel', I.M. 1-51359
- Petunin, Yu.I., Strogii, B.S., Orobets, Yu.N. Application of regression analysis for substantiating system of operational control and rejection in process of nonlinear current transducer production 1-39390
- Petz, F.A. *see* Archer, J.A. 1-46132
- Petz, F.A. *see* Weidlich, H.P. 1-27329
- Petzold, L.R. An efficient numerical method for highly oscillatory ordinary differential equations 1-45059
- Peura, R.A. *see* Rasmussen, B. 1-48682
- Peytsov, N.V. *see* Klibanov, A.B. 1-37812
- Pexton, A.F. The justification for Torness [nuclear power station] 1-30906
- Peyregne, G., Rahal, A.M., Huraux, C. Time to flashover characteristics and flashover mechanisms of a liquid film 1-36704
- Peyrelasse, J., Boned, C., Le Petit, J.P. Setting up of a time domain spectroscopy experiment. Application to the study of the dielectric relaxation of pentanol isomers 1-48203

- Peysmaure, J.** *see* Fougeron, C. 1-48378
- Peyrot, A.H., Lee, J.W., Jensen, H.G., Ostersaas, J.D.** Application of cable elements concept to a transmission line with cross rope suspension structures 1-43735
- Peyrucat, J.-F.** The choice of best technology for semiconductor components. 1-32743
- Peyrvcut, J.F.** Industrial optical links: from now on it's very simple 1-42241
- Pezy, J.** *see* McCann, J.F. 1-53595
- Pezzali, B.** Measurement of the output impedance of a signal generator 1-34361
- Pfaffinger, D.D.** Probabilistic dynamic analysis with ADINA 1-39653
- Pfaffly, L.G.** *see* Payton, G.L. 1-42626
- Pfahl, R., Barth, S., Zenker, E.** The type EO 213 two-channel oscilloscope 1-34323
- Pfahl, R.** *see* Reichert, P. 1-38236
- Pfannschmidt, H., Kamitz, R.** Link systems with delay and several queues in a single limited waiting room 1-29232
- Pfanzagl, J.** A special representation of a sufficient randomization kernel 1-50157
- Pfau, E.** Short-wave receivers, digital and conventional 1-29604
- Pfau, E.** The Technics ST-Z1 tuner 1-29866
- Pfau, E.** Methods of noise reduction 1-29944
- Pfeffer, E., Wagner, D.** Automatic measurement of the position and inclination of bores or mask windows 1-50692
- Pfeffer, H.** *see* Gerig, R. 1-48277
- Pfeffer, H.** *see* Wolff, D. 1-48286
- Pfeifer, T., Breyer, E., Mecklenburg, R.** Test equipment inspection—optimizing the inspection interval reduces costs 1-31895
- Pfeifer, T., Jobs, G.** Semiconductor techniques for optoelectronic mensuration 1-34287
- Pfeifer, T., Rest, W., Trapet, E.** Distance measurement on machine tools by modular laser interferometer 1-34374
- Pfeifer, T., Ruhle, W., Schwerhoff, U.** The PDV-Bus in quality control and instrumentation 1-31896
- Pfeiffer, B.** *see* Munzel, J. 1-48547
- Pfeiffer, B.H.** Technical state of audiometer in hearing conservation programmes—can we determine hearing threshold correctly? 1-43316
- Pfeiffer, H.G., Kroboth, M.E.** The conversion of coal to gas and liquid fuels 1-34984
- Pfeiffer, T.** *see* Benndorf, H. 1-42157
- Pfeiffer, Th.** Microelectronics in transmission systems 1-29359
- Pfeiffer, W., Volker, P.** Formative time lag in small gaps with nearly homogeneous field distribution 1-36712
- Pfeiffer, W.** *see* Fellmann, K.-H. 1-40294
- Pfeiler, M.** New development in computed tomography (with reference to computed tomographic non-X-ray processes) 1-34611
- Pfeilsticker, R., Kalbitzer, S., Muller, G.** Electronic transport in ion-bombarded amorphous silicon 1-40425
- Pferd, W., Stocker, G.C.** Optical fibers for scanning digitizers 1-47935
- Pfister, H.** *see* Krause, N. 1-28410
- Pfister, W.** *see* Wolk, C. 1-37127
- Pfisterer, F.** *see* Bloss, W.H. 1-53682
- Pflanz, H.M., Clark, T.F., Albani, O.J.** The development of the current limiting protector (CLP) 1-43796
- Pflaum, E.** *see* Fink, H. 1-35290
- Pfleiderer, H.-J.** *see* Betzl, H. 1-50549
- Pfleiderer, H.-J.** *see* Klar, H. 1-27484, 1-27494, 1-40090
- Pfleiderer, H.-J.** *see* Knaver, K. 1-40102
- Pflug, D.R.** *see* Schuman, H.K. 1-52158
- Pfrenger, E.** LSI components for digital switching equipment 1-29555
- Pfund, P.** Standards in electrotechnology from the Federal point of view: commercial and legal questions 1-39348
- Pfutzner, H.** New methods for the analysis of high-grade transformer sheet steels 1-31273
- Pfyl, W.** Electronic power converters in static VAR systems: a modern concept for optimizing energy transmission across long HVAC lines 1-30703
- Phadke, A.G., Hlibka, T., Adamiak, M.G., Ibrahim, M., Thorp, J.S.** A microcomputer based ultra-high-speed distance relay: field tests 1-34949
- Phadke, A.G., Hlibka, T., Adamiak, M.G., Ibrahim, M., Thorp, J.S.** A microcomputer based ultra high speed distance relay: field tests 1-43785
- Pham, V.T.** *see* Stigall, P.D. 1-37481
- Pham Tiet** *see* Tiet Pham
- Pham-Dinh Tuan** Nonparametric estimation of the drift coefficient in the diffusion equation 1-50167
- Phan, L.C., Adachi, T., Allaire, M.-A.** Experimental investigations of corona-induced vibration on high voltage conductors with different types of supports 1-38781
- Phan, L.C., Adachi, T., Allaire, M.-A.** Experimental investigations of corona-induced vibration on high voltage conductors with different types of supports 1-43725
- Phaneuf, R.A.** Production of high-Q ions by laser bombardment method 1-38374
- Phelan, M.** Simple in-situ transistor tester 1-34329
- Phelps, D.** *see* Marks, R. 1-44703
- Phelps, D.A., Chang, D.B.** Stability of bounded electron beams neutralized by co-moving ions 1-46989
- Phelps, D.A., Somerstein, S.** Precision intense particle beam accelerators using in-situ tuning techniques 1-48414
- Phelps, D.A., Wharton, C.B.** Observations of low emittance-neutralized alkali ion beams from a large-area multistage injector 1-48536
- Phelps, D.J.** *see* Abbas, D.C. 1-48200
- Phelps, M.E.** *see* Hoffman, E.J. 1-34578
- Phelps, M.E.** *see* Williams, C.W. 1-38492
- Phelps, R.I.** Replacement policies under minimal repair 1-50048
- Phi, D.T., Bourque, E.J., Thorne, D.H., Hill, E.F.** Analysis and application of the stability limits of a hydro-generating unit 1-43988
- Phi, D.T., Trecat, J., Monseu, M.** Computer programme for analysing various fault conditions in power networks 1-34824
- Phiel, J.** *see* Pontano, B.A. 1-47635
- Philbrick, S.E.** High voltage roadway power cables for the coal industry 1-30753
- Philbrick, S.E.** No economic advantage for 11 kV XLPE cable 1-43687
- Philbrick, S.E.** *see* Ross, A. 1-49151
- Philen, D.H.** Color center laser measurements of OH diffusion in optical fibre cores 1-36913
- Philen, D.L.** Optical time domain reflectometry on single mode fibers using a Q-switched Nd:YAG laser 1-28506
- Philipp, A., Halbritter, J.** On the temperature and 02 frequency dependence of the surface resistance of superconducting Nb 1-28292
- Philipp, B.** Higher order language speaking instruments in a distributed intelligence system 1-38114
- Philipp, H.D.** *see* Fernandes, R.A. 1-29777
- Philipp, H.R., Levinson, L.M.** ZnO varistors for protection against nuclear electromagnetic pulses 1-36355
- Philipp, P.** Concept and special features of the protection scheme at the Markersbach pumped-storage power station 1-53310
- Philipp-Rutz, E.M., Linares, R., Faruda, M.** Electrooptic Bragg diffraction in a low cross-talk integrated-optic switching matrix 1-46580
- Philippe, J.** *see* Battisti, S. 1-42801
- Philippou, G.Y., Dang, N.D., Watson, B.K.** Corrugated waveguide polariser 1-40228
- Philippou, G.Y., Gupta, G.S., Davies, J.B.** Finite-element analysis of angularly dependent modes in a general RF periodic cavity 1-50607
- Philippou, G.Y.** *see* Chignell, R.J. 1-41369
- Philippovich, G.** *see* Kecskes, G. 1-49627
- Philips, C.** Optical fibre transmission: how to measure attenuation 1-46540
- Philips, G.J.** How will broadcast programmes reach the home in the future? 1-29836
- Philips, N.J.L., Francois, G.E.** Necessary and sufficient conditions for the stability of buck-type switched-mode power supplies 1-45265
- Philips, R.P.** *see* Anderson, J.A. 1-44828
- Philips, T.K.** Predicting distortion in RC oscillators 1-32219
- Phillips, A., Jr.** *see* Das, G. 1-27996
- Phillips, B.F.** *see* Zeller, M.V. 1-45133
- Phillips, C.L., Graf, E.R., Starks, S.A.** An aircraft landing system employing Kalman filters 1-43409
- Phillips, C.L.** *see* Machuzak, R.J. 1-42314
- Phillips, C.L.** *see* Tatum, M.C. 1-42319
- Phillips, D.H.** VLSI circuit development for future applications 1-51027
- Phillips, D.H.** *see* Wilson, D.O. 1-52360
- Phillips, D.J.** *see* Eyer, M.K. 1-30426
- Phillips, G.C., Jr., Turner, J.F.** Characterization of thin film circuitry on various ceramic surfaces 1-45810
- Phillips, G.C., Jr.** *see* Allen, G.W. 1-45842
- Phillips, G.M.** Seventh degree integration rules for  $R^2$  1-35894
- Phillips, J.A.** *see* Mun, J. 1-46309
- Phillips, J.E.** *see* Hall, R.B. 1-44354
- Phillips, J.N.** The Connecticut Product Development Corporation: a state's innovative approach to job creation 1-31821
- Phillips, L.** *see* Sundelin, R. 1-43084
- Phillips, N.** The use of holography and lasers in film and television 1-41155
- Phillips, P.J., Sullivan, T.M.** Techniques for the management of frequency bands shared between terrestrial stations and mobile or transportable earth stations 1-52202
- Phillips, P.J.** *see* Brower, D.V. 1-30755
- Phillips, P.J.** *see* Kodres, C.A. 1-34878
- Phillips, R.E.** *see* McCartney, R.I. 1-52866
- Phillips, V.J.** Physiological radio receivers 1-38471
- Philobos, B.** Linear phase filter design on a time-domain basis 1-40083
- Phipps, C.R., Jr.** *see* Figueira, J.F. 1-28749
- Phipps, G.H.G.** *see* Thurlow, I.G. 1-32551
- Phipps, G.S.** *see* Buttram, M.T. 1-48406
- Phung, D.L., Van Gool, W.** Assessing industrial energy conservation by unit processes 1-53164
- Phung Ngo Kim** *see* Ngo Kim Phung
- Phylippov, L.P., Nefedov, S.N., Kravchoon, S.N.** The investigation of thermophysical properties of fluids by an alternating current hot-wire method 1-34389
- Pi, S.C.** *see* Grice, D. 1-27406
- Piacentini, G.F.** *see* Marzocchi, G. 1-42166
- Piacentini, I.** *see* Cirant, S. 1-45295
- Piacentini, W.J.** *see* Clifton, B.J. 1-45695
- Piasecki, J.** *see* Barthelemy, A. 1-36880, 1-40934, 1-51183
- Piatek, B., Szendzielorz, A.** Designing of overhead power lines for mining areas 1-43718
- Piateri, M.** *see* Biserna, T.G. 1-30917
- Piatou, R.** Modular power supply equipment in the French telecommunications network 1-44243
- Pic, E., Hoefer, W.J.R.** Experimental characterization of fin line discontinuities using resonant techniques 1-45597
- Pic, E.** *see* Saguet, P. 1-28955
- Picard, P.** Integrated circuits for modern exchange systems 1-29531
- Picard, P., Dragotinov, A.** Monolithic subscriber line circuit for PABXs 1-29556
- Picard, P., Peikmann, B.** Integrated circuits for modern telephone terminal 1-47443
- Picardi, G.** *see* Bucciarelli, T. 1-34012
- Picasso, E.** Development of RF superconducting cavities for large storage rings 1-38352
- Picasso, E.** *see* Bernard, P. 1-48533
- Picciali, A.** *see* Cavaliere, S. 1-45524
- Picciarelli, V.** *see* Bernard, P. 1-48533
- Picciochi, A., Mosquera, L.D., Yakimavicius, M.** A melody generator 1-52303
- Piccolo, A.** *see* Mongelluzzo, R. 1-53106
- Piccolo, R.** *see* Augelli, V. 1-46617
- Pich, R.** Relationship between load, pressure and rate of temperature changes in steam raising plant based on 'sliding' (Gleit) pressure operation 1-38905
- Pichert, D.** The measurement of recording equipment production capacity 1-29912
- Pichler, F.** *see* Bichl, I. 1-33509
- Pichler, H., Maderbacher, F.** ICs for switching regulators 1-39897
- Pichler, S.** *see* Billan, J. 1-48530
- Pichlmaier, G.** An adjustable 4th-order low pass filter 1-32320
- Pichot, C.** *see* Bolomey, J.-C. 1-41203
- Pichugin, V.M.** *see* Davydova, L.I. 1-34923
- Picinbono, B., Benidir, M.** On optimal reduction of observations for estimation 1-37580
- Picinbono, B., Ouamri, A.** Implementation and performances of NAR-AGC adaptive detection systems 1-34013
- Picken, D.J., Brewin, D.F.** A low technology steam operated pump applied to an anaerobic digester system 1-44568
- Pickens, G.A.** *see* Taylor, D.K. 1-43908
- Pickering, R.T.** *see* Forrest, A. 1-43578
- Pickering, R.T.** *see* Pratten, J.R.D. 1-52979
- Pickett, D.F., Rogers, H.H., Tinker, L.A., Bleser, C.A., Hill, J.M., Meador, J.S.** Establishment of parameters for production of long life nickel oxide electrodes for nickel-hydrogen cells 1-31435
- Pickett, J.M.** A fully self-aligned silicon MESFET process [for digital LSI] 1-40725
- Pickholtz, R.L.** *see* Lang, R.H. 1-28991
- Pickholtz, R.L.** *see* Yuill, S.J. 1-29712
- Pickles, W.L.** *see* Wilson, M.J. 1-44284
- Pickup, C.P.** Optimisation of the response time of averaging filters 1-32338
- Pickup, I.E.D.** *see* Russell, A.P. 1-35146
- Pickup, K.H.** *see* Maddock, B.J. 1-34899
- Pickvance, R.** *see* Miskin, L. 1-28112, 1-32202, 1-45570
- Picologlou, B.F.** US/USSR joint MHD generator testing at the U-25 MHD pilot plant 1-31146
- Picozza, P.** *see* Federici, L. 1-43268
- Picraux, S.T.** *see* Knapp, J.A. 1-45076
- Pidatella, S.** *see* Guiffreda, M. 1-53321
- Pidgeon, C.R.** Spin-flip Raman scattering and associated  $\chi^{(3)}$  nonlinearities 1-37221
- Pidgeon, C.R.** *see* Davis, B.W. 1-37068
- Piech, K.R.** Material identification using broad band visible data 1-48887
- Pieck, R.** *see* Pues, H. 1-41392
- Piedade, M.S., Silva, M.M.** Linear transformation active filters 1-45480
- Piegza, D.M.** *see* Pantalano, D.K. 1-35089
- Piel, A., Murray, H.** Transient phenomena in sputtered CdS photo cells 1-28577
- Piel, H.** *see* Bernard, P. 1-48533
- Piepenbreier, E.** *see* Berndt, G. 1-44418
- Pieper, B.** *see* Saulnier, J.B. 1-34645
- Pieper, B.** *see* Schiffers, A. 1-31016
- Piepers, G.G.** Suggestions for the continuation of the national programme for research into wind energy 1-49381
- Pierantozzi, D.C., Bedrosian, S.D.** Synthesis of the generic factors used to determine the network complexity [determination of spanning trees] 1-45162
- Pierce, B.L.** The influence of recent heat transfer data on gas mixtures (He-Ar, H<sub>2</sub>-CO<sub>2</sub>) on closed cycle gas turbines 1-35068

- Pierce, C.B. *see* Jaworowski, A.E. 1-45902  
Pierce, D.L. *see* Berg, E.J. 1-33606  
Pierce, J.F. *see* Renner, K.W. 1-34504  
Piercy, P. *see* Metselaar, R. 1-50794  
Piermont, M. The quality-factor (figure of merit): a criterion for the objective choice of a measuring instrument 1-42506  
Pieroni, C.A., Roberts, K.P. Material evaluation and testing program for OTEC riser cable 1-30758  
Pierpaoli, P. *see* Cesini, G. 1-28799  
Pierre, F. *see* Aleksan, R. 1-48582  
Pierre, F. *see* Behrend, H.-J. 1-43229  
Pierre, L. The 8 bit microprocessor in CMOS: the lowest of power requirements 1-36183  
Pierre, L. The 1.5 V, 3  $\mu$ A microprocessor for watches and toys 1-46300  
Pierret, R.F. *see* Martin, S.J. 1-36755  
Pierri, R. *see* Bucci, O.M. 1-47010  
Pierri, R. *see* D'Elia, G. 1-41345  
Piersma, H. *see* Jansen, L.A. 1-53850  
Piersol, A.G. Time delay estimation using phase data 1-41653  
Pierson, E.S., Grammel, S.J., Cohen, D., Frisardi, T. Liquid-metal MHD for solar and coal: system and component status 1-31471  
Pierson, P.B. Design considerations for a flexible high-resolution film recording system 1-42543  
Piessens, R. *see* Suetens, P. 1-45032  
Pietranik, M. *see* Struzak, R.G. 1-37323  
Pietrenko, W. The fundamental equations for the integrated piezoresistive X (=pressure; force etc.) transducer 1-38179  
Pietroliusti, R. *see* Bellotto, P. 1-47094  
Pietroliusti, R. *see* Bugia, O. 1-47204  
Pietruszko, S.M. *see* Guha, S. 1-37003  
Pietrzyk, W. Analysis of radius forces in asynchronous motors with static eccentricity 1-38990  
Pietrzykowski, J. Polish automatic soldering installations 1-31880  
Pietrzykowski, J. The automatic soldering of electronic equipment 1-32505  
Pietzy, K.R. *see* Ackermann, N.J., Jr. 1-35011  
Pietzsch, H. *see* Wittig, F. 1-30792  
Piffaretti, J. *see* Baer, H.W. 1-34516  
Pifko, A.B., Winter, R. Theory and application of finite element analysis to structural crash simulation 1-45015  
Pigache, D. *see* Bonnet, J. 1-46694  
Pigeon, J. *see* Massot, J.N. 1-28426  
Pigeon, J. *see* Meunier, J.P. 1-46531  
Piggott, S.A. The development of a system for the assuring of product quality in a software development environment 1-42097  
Pignastii, S.S. Calculating the transients in a system of symmetrical rectangular conductors 1-31265  
Piguet, C. *see* Martin, J.C. 1-27456  
Pikaar, R. *see* Jansen, B.H. 1-43360  
Pike, J.W. *see* Kuntzleman, H.C. 1-49847  
Pike, W.S. Op-amp tone control 1-29954  
Pikersgil, A.A. *see* Boiko, V.O. 1-34395  
Pikin, A.I. *see* Baldin, A.M. 1-48569  
Pikovskii, A.S. *see* Kyashko, S.V. 1-32227  
Pikuz, S.A. *see* Boiko, V.A. 1-30384  
Pileggi, D.J., Harish Chandra, N., Emanuel, A.E. Prediction of harmonic voltages in distribution systems 1-30726  
Pileggi, D.J., Harish Chandra, N., Emanuel, A.E. Prediction of harmonic voltages in distribution systems 1-38752  
Piletskii, V.T. *see* Zelenov, A.B. 1-39920  
Pilgrim, M., Swain, R.S., Barnes, B.C., Mohammed, S.A. Local network microwave links at 29 GHz 1-42173  
Pilie, R.J. *see* Baier, R.E. 1-48876  
Pilinskiy, V.V. *see* Veksler, G.S. 1-36087  
Pilipchuk, Yu.L., Zaritskii, D.P., Tovma, A.A., Ignatenko, V.M. Device for calibrating thermometers within the range 78-350K 1-48256  
Pilipenko, V.N. *see* Arkhierov, I.P. 1-44188  
Pilipetski, N.F., Sukhov, A.V., Tabiryian, N.V., Zel'Dovich, B.Ya. The orientational mechanism of nonlinearity and the self-focusing of He-Ne laser radiation in nematic liquid crystal mesophase (theory and experiment) 1-41141  
Pilipetsky, N.F., Shkunov, V.V. Narrowband four-wave reflecting filter with frequency and angular tuning 1-37212  
Pilipetsky, N.F. *see* Garibyan, O.V. 1-46589  
Pilkington, T.C. *see* Choi, J. 1-30440  
Pilkuhn, M.H. Investigation of optical gain and its saturation behaviour in semiconductor lasers 1-51475  
Pillai, S.K. *see* Joshi, S.D. 1-38987  
Pillai, S.K. *see* Umamaheswar, V. 1-35169  
Piller, O. Simulation of standard ohms by means of quantified Hall resistance 1-38265  
Piller, R.C. *see* Marwick, A.D. 1-38392  
Piller, W. A new process for synthesising the load variations in load consumption in households 1-34738  
Piller, W. *see* Nitschke, J. 1-43816  
Pillis, J.de *see* de Pillis, J.  
Pilmunskii, N.P. *see* Ovechkin, L.B. 1-52320  
Pimonov, A.A. *see* Afanas'ev, V.L. 1-36974  
Pinc, J. A tunable microwave oscillator with a Gunn diode 1-27620  
Pincemin, M. *see* Dutilloy, G. 1-52010  
Pinchuk, I.S., Kheifets, A.L., Postaushkin, V.F., Kulikov, G.D. Stabilisation of transfer and methods of reducing the spattering of metal in CO<sub>2</sub> welding with a short arc 1-39242  
Pinciroli, F. A synthesis technique of R-R interval values in cardiac arrhythmias 1-52795  
Pinciroli, F. *see* Manzoni, P. 1-52778  
Pinciroli, F., Anderson, J. (*editor*) Changes in Health Care Instrumentation due to Microprocessor Technology. Proceedings of the IFIP-IMIA (TC4) Working Conference 1-49878  
Pinck, E. *see* Kelly, A.J. 1-52095  
Pincock, D.G. *see* Vogeli, F.A. 1-30580  
Pinczuk, A. *see* Stormer, H.L. 1-36500  
Pineiro, J.A., Martinez, S. Parallel connection of static power inverters. I. Passive method 1-49572  
Pinel, J.F. *see* Singhal, K. 1-45183  
Piner, E.W. Automated energy management 1-44630  
Pines, H., Selph, F. Automatic tuning of the LBL Bevalac transfer line 1-42912  
Ping Lee, van Hulsteyn, D.B., Hauer, A., Whitehill, S. Low-energy X-ray imaging of laser plasmas 1-28825  
Ping Xu *see* Xu Ping  
Ping Yang *see* Haji, I.N. 1-36047  
Ping-King Tien, Giordmaine, J.A. Integrated optics: putting it all together. III 1-28515  
Pingot, O. *see* Carlson, P.J. 1-43245  
Pini, F. *see* Nassif, N.R. 1-32011  
Pini, L., Bonetti, M. A new type of centralised power supply for traditional and modern telecommunication equipment 1-30673  
Pinizzotto, R.F. *see* Lam, H.W. 1-32732  
Pink, H., Tischer, P. Gas detection by metal-oxide semiconductors 1-34268  
Pinkernell, H. Bus systems in power station management 1-30847  
Pino, G.E. *see* del Pino, G.E.  
Pinsard, J.L., Wallis, R.H., Zylbersztejn, A. Determination of the channel temperature in a GaAs MESFET from the emission transients of deep traps 1-46169  
Pinsker, M.S. Optimal filtration of square-integrable signals in Gaussian noise 1-33630  
Pinskii, M.B. *see* Dyubua, P. 1-38591  
Pinson, J.D. *see* Boehman, L.I. 1-31153  
Pinson, L.J. Locally adaptive processing of sensor imagery for target acquisition and handoff 1-42322  
Pinson, L.J., Baumann, J.L. Evaluation of image processing for man-in-loop target acquisition 1-47956  
Pinson, L.J., Viguet, G.S., III Automatic testing of performance of an electro-optical imaging system under obscured atmospheric conditions 1-30015  
Pinson, P., Delage, A., Girard, G., Michon, M. Characteristics of two-step and two-photon-excited emissions in <sup>14</sup>NH<sub>3</sub> 1-46677  
Pintal, Yu.S. *see* Golubukh, G.E. 1-32910  
Pinto, J.F., Zabar, Z. Start-up response of a secondary distribution network. II. Load analysis, lab tests and start-up simulation 1-43666  
Pinto, J.F. *see* Zabar, Z. 1-43665  
Pinto, J.K.C., Camargo, E., Luqueze, M.A., Correra, F.S., Finardi, C.A., Ynoue, E.I. The development of microwave components for earth station receiver 1-47656  
Pion, R.F. *see* Lee, J.L. 1-34876  
Pione, A.E., Robinson, D.M., Wu, C.E. A comprehensive digital signal processing laboratory 1-44627  
Piorunskii, A.N. *see* Vyshlov, V.A. 1-52576  
Piotrowska, A. *see* Kaminska, E. 1-46083  
Piotrowski, J. *see* Galwas, B. 1-45313  
Piotrowski, W.S. *see* Mlinar, M.J. 1-45625  
Piovan, F. Iron frames and so much wood 1-35234  
Piper, J.A. *see* Duarte, F.J. 1-41115  
Pipis, J.S. *see* Rose, L.A. 1-43939  
Pippenger, D.  $\phi$  sequencer uses one IC, no standby power 1-39981  
Pippenger, N. Bounds on the performance of protocols for a multiple-access broadcast channel 1-37380  
Piqueras, J. *see* Garrido, J. 1-41002  
Piqueras, J. *see* Piqueras Piqueras, J.  
Piqueras Piqueras, J. Molecular beam epitaxial growth 1-45096  
Pira, F., Ponte, G. Electronic tone ringer 1-51995  
Pirani, G. *see* Luvison, A. 1-29729, 1-47684  
Pirani, G. *see* Mengali, U. 1-29730  
Pirart, C. *see* Jongen, Y. 1-43187  
Piredda, A. *see* Burgassi, M. 1-47417  
Pires, J.de Sousa *see* de Sousa Pires, J.  
Pires, P.S.M., Rogers, D.A., Bochove, E.J., Souza, R.F. A new method of pulse dispersion analysis for simple-mode optical fibers 1-46551  
Pirie, W.R. *see* Lee, L. 1-50137  
Pirogov, F.B., Sumrov, V.V. Photoconduction kinetics of the amorphous chalcogenides of arsenic near the fundamental absorption edge 1-28555  
Pirogov, N.A. *see* Katsevich, L.S. 1-31711  
Pirogov, N.A. *see* Khainson, A.V. 1-35511  
Pirri, A.N. *see* Nebolsine, P.E. 1-38563  
Pirri, F. *see* Borgheresi, E. 1-52928  
Pirsch, P. Design of DPCM quantizers for video signals using subjective tests 1-47100  
Piskarovskii, L.V. *see* Bagratishvili, G.D. 1-46023  
Piskarev, I.M. *see* Kuznetsov, Yu.V. 1-30287  
Piskarskas, A. *see* Bareika, B. 1-28785, 1-28787  
Piskarskas, A.S. *see* Bareika, B. 1-28699  
Piskars, M.N. *see* Zelinskiy, A.M. 1-37829  
Piskorski, S. *see* Solnica, W. 1-26915, 1-35996  
Piskula, J. *see* Fidler, Z. 1-46353  
Piskunov, A.K. *see* Kashnikov, G.N. 1-28655  
Piskunov, O.G. *see* Knizhnik, R.G. 1-47518  
Pis'mennyi *see* Ivanchenko, V.A. 1-34266  
Pister, K.S. *see* Bhatti, M.A. 1-39685  
Pistof'kors, A.A. Calculation of the noise power in an adaptive receiver antenna system 1-33397  
Pistor, K. The serial bus system SEAB for use in mines 1-51991  
Pistor, R.L. *see* Kulkarni, S.B. 1-40481  
Pitcher, D. Silicon microelectronics in telecommunications 1-52030  
Pitcher, P.J. The design of a laser modulator for an 8 Mbit/s optical fibre transmission system 1-42281  
Pitcher, P.J. *see* Norman, P. 1-42258  
Pitel, I.J. Spectral errors in the application of pulsewidth modulated waveforms 1-44211  
Pitel, J. *see* Hoschl, P. 1-39741  
Piti, G. It could be saved: when can we start? 1-49824  
Pitkanen, D.E. *see* Liu, T.S. 1-45845  
Pitt, C.W. *see* Ambersley, M.D. 1-52971  
Pitt, C.W. *see* Lyle, J.N. 1-30072  
Pitt, C.W. *see* O'Conner, D.J. 1-36879  
Pitt, K.E.G. The emissivity of thick film resistor materials 1-27724  
Pitt, R. *see* Dibelius, G. 1-35063  
Pitt, V.A., Needes, C.R.S., Johnson, R.W. Ultrasonic aluminum wire bonding to copper conductors 1-45846  
Pittampalli, E. *see* Matheson, D.R. 1-38727  
Pitteloud, J. Principles of packet switching. VII. The public networks of the Swiss PTT 1-37753  
Pitto, G. *see* Annaratone, B. 1-28302  
Pitts, L. *see* Abraham, K.M. 1-44322  
Pityk, P.E. *see* Wood, P. 1-44202  
Pityk, P.E. *see* Wood, P., Sr. 1-49586  
Piunov, V.D. *see* Mel'gui, M.A. 1-35999  
Pivovarov, B.L. *see* Egorov, Yu.P. 1-27372  
Pivtsov, V.S. *see* Gulev, V.S. 1-37096  
Piwinski, A. Computer simulations of the beam-beam interaction and measurements with PETRA 1-42987  
Piwinski, A. Synchro-betatron resonances 1-48499  
Piwinski, A. Computer simulation of the beam-beam interaction 1-48518  
Piwinski, A. *see* Degele, D. 1-43142  
Piwinski, A. *see* Rossbach, J. 1-42785  
Piwko, R.J. *see* Mortensen, K. 1-38729  
Pizzi, S. *see* Wilson, S.G. 1-33548  
Pizzichini, G. *see* Frontera, F. 1-30383  
Pizzini, L. *see* Dall'olio, C. 1-37842  
Pkhakadze, O.Sh. *see* Gal'perin, M.V. 1-52327  
Placa, S.J. *see* La Placa, S.J.  
Plachenov, B.T. *see* Dzheleпов, I.B. 1-30286  
Plachky, D. *see* Baringhaus, L. 1-50141  
Plachno, R. *see* Ching-Lin Jiang 1-32308  
Plaettner, R.D. *see* Moeller, M. 1-53679  
Plakhin, Ye.A., Podymov, I.S. Calculation of the coefficients in the electrical conductivity calibration equation by successive approximations 1-30555  
Plaksii, Yu.S., Baryshev, V.G., Tron'ko, V.D., Bochkarev, V.F. Recording of information on amorphous magnetic films 1-36813  
Planat, M., Gagnepain, J.J., Lardat, C., Penavaire, L. Nonlinear characteristics of SAW grooved resonators 1-36760  
Planat, M. *see* Hauden, D. 1-51069  
Planchar, J. *see* Bossavit, A. 1-27086  
Planche, G. *see* Bosch, M. 1-49143  
Planinic, J. Statistical fluctuation in the process of primary ionization in methane 1-52682  
Plank, K.L. New developments in telecommunications 1-47303  
Plank, K.-L. Functional integration of standards [digital communication] 1-41874  
Plank, K.-L. New developments in telecommunications. II 1-51901  
Planner, C.W. *see* Kempson, V.C. 1-48389  
Plant, J.B. *see* Chan, Y.T. 1-33612, 1-37595, 1-41668  
Plant, R.J. Multipath problems associated with secondary surveillance radar 1-47715  
Plant, T.K., Petrie, G. Tunable Si photodiode with integrated Fabry-Perot interference filter 1-51284  
Plante, R., Neter, J., Leitch, A. Lower multinomial bound for overstatement or understatement errors 1-35794  
Plante, T. *see* Demazeau, G. 1-46394  
Plaper, M. Disturbances in the operation of the Yugoslav electric power system 1-48942  
Plaper, M. *see* Pehani, A. 1-38644  
Plaschke, D. *see* Kaatz, U. 1-34363

- Plass, G. *see* Lefevre, P. 1-48322
- Plassat, D. Balanced junctions for multi-emitter clamped transistor in bipolar technology 1-28092
- Plassche, R.J.v.d. *see* v.d. Plassche, R.J.
- Plaster, R.L. The value of transformer tests 1-49548
- Platner, E. *see* Ludlam, T. 1-34481
- Platner, E.D. *see* Ludlam, T. 1-34431
- Platonov, N.I. *see* Veselov, G.I. 1-41184
- Platonov, P.N. *see* Boiko, V.O. 1-34395
- Platonov, V.V. *see* Avilov-Karnaukhov, B.N. 1-43629
- Platt, D.L., Borowski, D.T. A high-purity signal generator output section 1-30143
- Platt, G. The Allen type SLC22 steam turbine 1-43906
- Plattner, A., Caspers, F., Nagel, U. Subnanosecond pulses at 35 GHz 1-45648
- Plattner, H. *see* Shepherd, F.R. 1-46164
- Plaxin, O.T. *see* Shnitzer, I.N. 1-35047
- Plaza, A.de la *see* de la Plaza, A.
- Plecenik, R.M. *see* Scott, B.A. 1-45104, 1-50317
- Plechac, L., Lhota, E. Method of calculation of gradual stage cooling of a superconducting cable 1-38764
- Pleibel, W. *see* Stolen, R.H. 1-40942
- Plekhanov, A.A. *see* Bazzhim, Yu. 1-52457
- Pleshchanov, S.A. *see* Komarov, S.A. 1-33284
- Pleshko, P. AC plasma display aging model and lifetime calculations 1-42685
- Pleshko, P., Greeson, J.C., Jr., Pearson, K.A. Repair of AC plasma display panels 1-34345
- Pleshko, P. *see* Abocfotot, M.O. 1-40368
- Pleshko, P. *see* Braen, R.C. 1-30197
- Pleshko, P. *see* Greeson, J.C., Jr. 1-30201
- Plesnik, J. A bound for the Steiner tree problem in graphs 1-31979
- Plesnik, J. The complexity of designing a network with minimum diameter 1-31985
- Pless, V. *see* Leon, J.S. 1-37412
- Plessl, A. *see* Ecklin, G. 1-31383
- Pietnev, L.P. Experience in converting 220/127 V distribution networks in Moscow to 380/220 V 1-43655
- Plewako, J. Electric energy consumption indices in hospitals 1-49714
- Plewko, K. *see* Adaszewski, W. 1-47306
- Pleys, J.J. Design according to the standard 1-26882
- Plicht, J.van der *see* van der Plicht, J.
- Plies, E. Calculation of electrostatic multitubular core-lenses for a 3D imaging electron microscope: three-dimensionally imaging electron microscopes. IV 1-50739
- Plimmer, R. Monitoring Hall effect motor powered fans 1-45561
- Plis, Yu.A. *see* Nemenov, L.L. 1-30306
- Pliskin, J.S. *see* Ronen, B. 1-50060
- Pliskin, Yu.S., Rakaev, A.P., Sergienko, Yu.M., Aseev, A.A., Eruslanova, O.M., Slezinger, Yu.G. Secondary signal transducers for resistance strain gauges 1-52456
- Plitnikas, A., Krotkus, A., Balagurov, L.A., Omel'yanovskii, E.M. Influence of pressure on the Hall effect in InAs:Cr 1-36484
- Plonko, M.C. *see* Groves, S.H. 1-39792, 1-45077
- Ploog, K., Fischer, A., Kunzel, H. The use of Si and Be impurities for novel periodic doping structures in GaAs grown by molecular beam epitaxy 1-27120
- Ploog, K., Kunzel, H., Knecht, J., Fischer, A., Dohler, G.H. Simultaneous modulation of electron and hole conductivity in a new periodic GaAs doping multilayer structure 1-40438
- Ploog, K. *see* Kunzel, H. 1-27796
- Ploshanskii, L.M. *see* Kononov, E.A. 1-48621
- Plotkin, E. *see* Kazovsky, L. 1-37491
- Plotkin, M. ISABELLE cavity gap assemblies 1-43059
- Plotko, V.M. *see* Nemenov, L.L. 1-30306
- Plotnikov, V.S. *see* Plotnikova, G.A. 1-36019
- Plotnikova, G.A., Plotnikov, V.S. Ways of improving reliability in electromagnetic monitoring 1-36019
- Plotnikova, T.K. *see* Trofimova, N.V. 1-38292
- Plotz, M. Quality and safety requirements of future electrical installations 1-31851
- Plourde, J.K., Ren, C.-L. Application of dielectric resonators in microwave components 1-45603
- Plow, R. *see* Paradissis, P. 1-47463
- Plumb, D. *see* Tarlowski, B. 1-39030
- Plumb, R.G. *see* Davies, I.G.A. 1-51294
- Plumb, R.G. *see* White, I.H. 1-46734
- Plummer, S.W., Mahmood, A.A., Cowan, C.D. Forecasting of residential distribution system VAR demands 1-53083
- Plunkett, B.C., Lasswell, P.G. Laser scanning of experimental solar cells 1-35389
- Plunkett, P. *see* Dal Porto, J. 1-44721
- Pluzhnikov, V.M. *see* Korchashkin, N.N. 1-52946
- Plyusnin, V.N. *see* Aleksanyan, A.A. 1-42489
- Pizak, J. Transmitting equipment for the Magion satellite 1-42215
- Po Wang Jin *see* Wang Jin Po
- Poate, J.M. *see* Crider, C.A. 1-45114
- Poate, J.M. *see* Cullis, A.G. 1-35932
- Poate, J.M. *see* Draper, C.W. 1-37193
- Pober, F. Some principal aspects of forecasting and decision-making and the issues of decision-making under uncertainty in the Austrian electricity supply system 1-34801
- Pohl, K. *see* Langer, E. 1-45922
- Poblocki, J. *see* Marcinia, B. 1-35959
- Pocachard, J. *see* Chiron, G. 1-48837
- Pochechun, A.A. *see* Zhura, S.K. 1-35049
- Pochinok, P.A. *see* Kovan'ko, V.V. 1-48240
- Pochon, C. Electrotechnical standardisation as seen by the consumer 1-39328
- Pockett, K.J. *see* Cangelosi, M.J. 1-40188
- Pocock, S.N., Grossfield, K. A socially acceptable emergency alarm system 1-30392
- Podcameni, A., Coimbra, M.L. Slotline-microstrip transition in iso/anisotropic substrate: broadband design 1-45614
- Podcameni, A., Conrado, L.F. Broadbanding the quarter-wave transformer using two parallel stubs 1-40252
- Podcameni, A., Conrado, L.F.M., Mosso, M.M. Unloaded quality factor measurement for MIC dielectric resonator applications 1-50614
- Poddelskiy, N.P. *see* Gorshkova, E.Z. 1-51619
- Podeanu, P. *see* Dulescu, I. 1-52438
- Podell, A.F. A functional GaAs FET noise model 1-36623
- Podgornova, L.I. *see* Deripasko, R.N. 1-38304
- Podhoransky, O. Active RC two-port synthesis with low requirements towards active elements 1-45165
- Podkatov, V.I. *see* Bystritskii, V.M. 1-37088
- Podlevskii, V.A. *see* Aleksandrov, G.N. 1-30805
- Podlipenskiy, V.S. *see* Lyubchenko, G.G. 1-39597
- Podofskii, V.V. *see* Medvedkin, G.A. 1-37038
- Podofskii, L.Z. A family of high-Q, active RC-circuits of second order with a low total resistance 1-32341
- Podsosonnyi, A.S. *see* Gavrilo, Yu.E. 1-37086
- Podymov, I.S. *see* Plakhin, Ye.A. 1-30555
- Poe, D. *see* Antaya, T. 1-48363
- Poe, D. *see* Mallory, M.L. 1-48287
- Poe, M.T. *see* Jedlicka, R.P. 1-29001
- Poehling, T.O. *see* Potemher, R.S. 1-27849
- Poehling, J.J. Selecting dry-type transformers for special applications 1-53512
- Poelz, G. *see* Burkhardt, H. 1-43210
- Poelz, G. *see* Lecomte, P. 1-38430
- Poenaru, C. *see* Mustata, O. 1-49073
- Poetsch, D., Stothart, P. FDL 60—progress in film scanning using CCD sensors and digital processing 1-29892
- Pogany, A. *see* Nemeth, J. 1-41963
- Poggioli, L. *see* Behrend, H.-J. 1-43229
- Pogibelskii, A.P. *see* Bel'dyugin, I.M. 1-28747
- Pogorzelski, R.J. Efficient calculation of scattering from a hyperboloidal subreflector 1-51700
- Pogosjan, J.M., Schakarjan, G.G., Geworkjan, S.D. New principles of digital information storage and processing with pure crystalline thin magnetic sheets 1-32986
- Pogribnoi, V.A. On the design of certain adaptive commutators and distributors 1-39004
- Pogribnoi, V.A., Rozmankovskii, I.V. Improvement of the operating speed of hybrid-balance analogue-code converters 1-29095
- Pogribnoi, V.A. *see* Dragan, Ya.P. 1-27766
- Pogribnoi, V.A. *see* Kutsenko, O.K. 1-37519
- Pogson, I. AC millivoltmeter 1-30157
- Pogson, I. Oscilloscope switch 1-42643
- Pogson, I. DC voltmeter 1-52497
- Pogson, R. *see* Oh, S. 1-43155
- Poh, B.S., Rozzi, T.E. Intrinsic instabilities in narrow stripe geometry lasers caused by lateral current spreading 1-37122
- Pohl, E. *see* Montanus, R. 1-27244
- Pohl, G. *see* Fuchs, E.F. 1-49408
- Pohl, L., Weber, G., Eidenschink, R., Baur, G., Fehrenbach, W. Low- $\Delta n$ -twisted nematic cell with improved optical properties 1-28531
- Pohl, L. *see* Mollenhoff, K. 1-40293
- Pohlig, S.C., Shaw, G.A., Bially, T., Quatieri, T.F. A nested algorithm for improving the accuracy of chirp-Fourier transform implementations 1-37606
- Poidevin, G.J. *see* Le Poidevin, G.J.
- Poignant, H., Le Mellot, J., Bayon, J.F. Fluoride glasses for infra-red optical fibres 1-28447
- Poindexter, E.H., Caplan, P.J., Deal, B.E., Razouk, R.R. Interface states and electron spin resonance centers in thermally oxidized (111) and (100) silicon wafers 1-36530
- Poindexter, E.H. *see* Caplan, P.J. 1-27878
- Pointer, D.D. *see* Evans, R.P. 1-48970
- Poirier, R. *see* Szydlon, N. 1-50334
- Poiroux, R., Heurtin, J. Use of multilayer conductors in induction heating 1-44482
- Poisson, M.-A. di Forte *see* di Forte Poisson, M.-A.
- Poitou, J. *see* Alard, J.P. 1-52717
- Pokhoritser, V.L., Palci, V.A., Ioffe, V.Yu., Fiskind, E.E. Investigation of starting sequences of the prototype of the K-500-240-2 turbine 1-49283
- Pokladii, V.R. *see* Asnis, A.E. 1-44533
- Pokorny, L. Function generators 1-39977
- Pokotilo, Yu.M., Tkachev, V.D., Yavid, V.Yu. Effective lifetime in n-type germanium irradiated with 660 MeV protons 1-36468
- Pokras, A.M. *see* Kantor, L.Ya. 1-37885
- Pokress, R.L. *see* Bradley, P.J. 1-29324
- Pokrovskii, A.D. A calibrator for metrological assurance of eddy-current structure inspection instruments 1-45155
- Pokrovskii, A.V. *see* Tsapko, G.P. 1-50604
- Pokrovskii, M.I. *see* Gertsenberg, G.R. 1-31189
- Pokrovsky, L.A. Non-stationary processes in lasers 1-28609
- Pola, P., Cruccu, G., Dolce, G. Star-like display of EEG spectral values 1-34620
- Polacco, B. *see* Bellotto, P. 1-47094
- Polack, A. *see* Gruning, G. 1-38006
- Polaert, R., Jean, B., Bricard, P. Intensifier tube for photon counting imaging within visible and UV range 1-32579
- Polak, E. A robust secant method for optimization problems with inequality constraints 1-39620
- Polak, E. *see* Mayne, D.Q. 1-35880
- Polak, G.G. *see* Kortanek, K.O. 1-37686
- Polak, M. *see* Kordos, P. 1-27971
- Polakowski, T.D. *see* Beckenbaugh, W.M. 1-50687
- Polansky, G.F. *see* Lamb, J.P. 1-31075
- Polatoglou, H. *see* Lambros, A. 1-47276
- Polden, J. Using hybrid circuits. I 1-40330
- Polden, J. Using hybrid circuits. II 1-50706
- Poldi, E. *see* Federici, L. 1-43268
- Pole, R.V. *see* Bjorklund, G.C. 1-28820
- Polecak, H. Universal VDU interface 1-30001
- Poleschchuk, A.G., Khimich, A.K. System for linear control and stabilization of laser radiation power by an acousto-optic modulator 1-46770
- Poleschchuk, S.I. Duration of the effect of short-circuit current surges on phases of self-contained current conductors 1-49622
- Poletaev, B.V. *see* Druchevskii, V.A. 1-38198
- Polevoi, A.I. *see* Aleksandrov, G.N. 1-43721
- Polevoi, A.I. *see* Alexandrov, G.N. 1-49127
- Polevoi, I.F. *see* Aleksandrov, G.N. 1-43721
- Poley, N.M. Flat display panel fabrication process 1-36446
- Polezhaev, M.A. *see* Parshin, V.A. 1-53830
- Polge, R. *see* Albanes, W. 1-43397
- Polge, R.J., Green, A.H., Sinh, A. Two-dimensional processing along lines of minimum variance for RE seeker applications 1-42320
- Polge, R.J., Stern, H. A new technique for the design of binary sequences with specified correlation 1-42303
- Polii, C. *see* Borgheresi, E. 1-52928
- Policiak, I. *see* Mesaros, V. 1-28667
- Policarpo, A. *see* Breskin, A. 1-34284
- Policarpo, A.J.P.L. Light production and gaseous detectors 1-43222
- Policarpo, A.J.P.L. *see* Alegria Feio, M. 1-48090, 1-52673
- Polikarpov, E.D., Khenkin, E.A., Undrevich, A.Ya., Gluzbert, D.Kh. An engineering method of calculating the noise factor of frequency converters using MOS transistors 1-40195
- Polikarpov, V.M. *see* Volkov, B.S. 1-52722
- Polikarpov, V.M. *see* Zhurkin, V.V. 1-52721
- Polimatidi, V.P. *see* Agafonnikov, Yu.M. 1-34023
- Polinski, S., Vineis, D. Monolithic clock oscillator 1-28191
- Polise, A.T., Moskovitz, G. A real-time application of microprocessors to a radar system 1-42312
- Polishchuk, I.M. *see* Nekrasov, V.S. 1-41256
- Polishchuk, V.A. *see* Kotlikov, E.N. 1-36156
- Polishko, V.B. A composite automatic gain system employing optoelectronic components and FETs in low-frequency amplifiers 1-36115
- Politowski, M. *see* Broniarek, M. 1-36366
- Polityko, E.D., Panasyuk, A.I., Panasyuk, V.I. A new design technique for optimum frequency control of an induction drive allowing for EM processes 1-39142
- Poljak, S., Pultr, A. On the dimension of trees 1-35807
- Poljak, S., Rodl, V. On set systems determined by intersections 1-35808
- Poljak, S. *see* Nesetrl, J. 1-50076
- Polk, D.R., Rakes, J.M., Sweat, R.H., Jr. Total variable energization control for impact printer hammer 1-39903
- Polke, H. Plastics: dielectrics for tubular capacitors 1-27631
- Polla, D.L., Reine, M.B., Sood, A.K., Lovocchio, P., Jones, C.E., Scott, M.W. Measurement of space charge generation-recombination current in  $Hg_{1-x}Cd_xTe$  photo-diodes by deep level transient spectroscopy 1-41016
- Polla, D.L. *see* Jones, C.E. 1-50768
- Polla, D.L. *see* Mroczkowski, J.A. 1-33101
- Pollock, M.A., Pawlik, J.R., Nahory, R.E., Anthony, P.J. Comparison of the electrical characteristics and threshold temperature dependences of  $\lambda \sim 1.3 \mu m$  and  $\lambda \sim 1.6 \mu m$  stripe-geometry InGaAsP DH lasers 1-33234
- Pollak, A. *see* Gruning, G. 1-29867
- Pollak, T.M., Wing, W.F., Grasso, R.J., Chicklis, E.P., Jensen, H.P. Low threshold CW laser operation of Nd:YLF 1-46718
- Pollak, V.A. *see* Wyss, U.P. 1-34604
- Pollard, J.F. Parameters dictating TRL design 1-47740

- Pollard, R., Newman, J. Mathematical modeling of the lithium-aluminum, iron sulfide battery. II. The influence of relaxation time on the charging characteristics 1-35341
- Pollard, R., Newman, J. Mathematical modeling of the lithium-aluminum, iron sulfide battery. I. Galvanostatic discharge behavior 1-39110
- Pollard, W. *see* Reginato, L.L. 1-43061
- Polleys, R.W. *see* Bruce, C.A. 1-46410
- Pollmann, K., Schettler, H., Stahl, R., Zuehlke, R. Level tracking active terminator 1-36165
- Pollmann, D. *see* Klases, P. 1-48578
- Pollmann, J. *see* Mazur, A. 1-27853
- Pollmeier, H. *see* Wendt, K. 1-49254
- Pollock, N. Wind speed and direction meter. I. Digital and analogue indication for racing yachts or met. stations 1-30549
- Pollock, R.E. The Indiana University Cyclotron Facility (IUCF) 1980 1-38329
- Polnitskii, K.A., Avad Makhmud Mustafa Ali Application of directed graphs to heat analysis of a directly-cooled stator 1-31174
- Polonskiy, A.N., Kudrov, G.N. Analysis of a multicircuit nonlinear system 1-39875
- Polonsky, J. Future high-fidelity television systems having higher definition 1-34087
- Polonsky, J. Future high definition television systems 1-38019
- Poloujadoff, M., Perret, R. Measurement of iron losses in single phase squirrel cage motors 1-49460
- Poloujadoff, M. *see* Chassande, J.P. 1-44064
- Polovinkin, A.N. *see* Anikin, V.I. 1-51205
- Polovinkin, B.I. *see* Kashkalov, V.I. 1-39054, 1-39062
- Polovoi, I.F. *see* Alexandrov, G.N. 1-49127
- Polowczyk, M. Current situation and perspectives of piezoresistant semiconductor devices 1-30075
- Polowczyk, W., Stanczak, W. Laboratory hybrid and semiconductor contactors 1-49628
- Polozkov, N.M. *see* Dorosh, I.R. 1-46811
- Poltavtsev, V.P. *see* Domnin, F.A. 1-43349
- Poltoratskii, E.A. *see* Emel'yanov, A.V. 1-28520
- Poltoratskii, E.A. *see* Masloboev, Yu.P. 1-28733
- Poltoratskii, E.A. *see* Nechaev, V.M. 1-33128
- Poltz, J. *see* Kuffel, E. 1-30745, 1-34879
- Polucci, G. *see* Griffiths, R.E. 1-47975
- Poluektov, I.A. *see* Aleksanyan, A.G. 1-50848
- Poluektov, I.A. *see* Eliseev, P.G. 1-51472
- Polukhin, A.T. *see* Kukhta, A.V. 1-51318
- Polukhin, V.N. *see* Shchavlev, O.S. 1-35981
- Polunin, A.V. *see* Akhromenko, G.E. 1-49346
- Polunin, N.N. *see* Abbakumov, K.E. 1-36002
- Polushin, P.A., Samoylov, A.G., Tarakanov, S.P. An estimate of the noise immunity of diversity combiners 1-37858
- Polyak, B.T., Tsyppin, Ya.Z. Robust pseudogradient adaptation algorithms 1-35824
- Polyak, M.N. *see* Goldenberg, L.M. 1-37811
- Polyakov, P.F. Adaptive reception of AM signals 1-41474
- Polyakov, V.A., Shchedrin, I.S. Electron bunch space charge influence upon its energy spread and sizes under the motion in free space 1-43045
- Polyakov, V.A., Shchedrin, I.S. Comparison of characteristics of the beams, accelerated in electron linacs 1-48444
- Polyakov, V.E., Borisov, V.A., Kosterin, V.A. Synthesizing differential power line protection with electrical quantities compared separately 1-43768
- Polyakov, V.E., Komissarov, G.A., Chechushkov, G.A., Pavlikov, S.A. The process of gas formation when an arc burns in transformer oil 1-31286
- Polyakov, V.E., Komissarov, G.A., Chechushkov, G.A., Pavlikov, S.A. Analysis of oil flow rate in a Buchholz relay during short circuits of transformer windings 1-44147
- Polyakov, V.E. *see* Borodenko, V.A. 1-49033
- Polyakov, V.I. *see* Kizin, V.D. 1-38864
- Polyakov, V.M. *see* Nazikyan, A.G. 1-38997
- Polyakov, Yu.A. *see* Bautin, A.V. 1-30276
- Polyakova, L.M. *see* Buklei, A.E. 1-30325
- Polyanskaya, V.P. *see* Budenko, D.I. 1-42749
- Polychronakos, V. *see* Ludlam, T. 1-34481
- Polychronakos, V.A. *see* Ludlam, T. 1-34431
- Polychroniadis, E.K. *see* Valassides, O. 1-45963
- Polydoros, A., Fam, A.T. The differential cepstrum: definition and properties 1-47226
- Polzer, R. Digital transmission 1-29293
- Pomarleanu, M., Bejuseu, L., Radu, I. Analysis of the operational safety of the national power grid [when] interconnected with neighbouring systems 1-48946
- Pomarleanu, M. *see* Dimo, P. 1-30600
- Pomathiod, L., Henry, D., Arnal, Y., Boswell, R. Properties and discharge mechanisms of a saddle-field ion source 1-38404
- Pomazanovskii, O.A. *see* Zil'berblat, M.A. 1-35521
- Pomelov, N.N. *see* Buklei, A.E. 1-30325
- Pomerol, J.C. Application of Gale's duality theorem to programming 1-44957
- Pomeroy, B.D., Roberts, J.M., Narayanan, T.V. High-flux solar absorber concept for central receiver power plants 1-35103
- Pommerrenig, D.H., Meinhardt, T., Lowe, J. Hybrid extrinsic silicon focal plane architecture [for IR imaging] 1-47969
- Pommier, R., Gril, C., Marucchi, J. Sprayed films of indium tin oxide and fluorine-doped tin oxide of large surface area 1-27154
- Pomozi, A. *see* Gyorf, Z. 1-38512
- Pomper, U. System case V2700—a new translating equipment for 15-secondary group units on baseband 1-42159
- Pompon, J.P. *see* Wicker, A. 1-53602
- Pomrenke, G.S., Park, Y.S., Hengehold, R.L. Photoluminescence from Mg-implanted, epitaxial, and semi-insulating InP 1-37020
- Pomytkin, V.N. *see* Saplinov, L.S. 1-31234
- Poncet, A. *see* Fiander, D. 1-48355
- Poncet, C. Principles of a three-dimensional recording model for short wavelength magnetic recording 1-36819
- Pond, C.R., Slack, L.L. Acousto-optic deflection applied to a laser tracker 1-28545
- Pond, S.L. *see* Herring, G.S. 1-30215
- Ponghis, N., Fontaine, B., Masuy, J.M., Thirion, A., Herion, G. Plasma heating in an ironmaking blast furnace 1-49829
- Pongracz, J. *see* Adam, A. 1-48839
- Ponikvar, D.R., Ezekiel, S. Stabilized single-frequency stimulated Brillouin fiber ring laser 1-51523
- Ponkratov, E.I., Fesivskii, G.D. Monostable multivibrator with a wide range of pulse duration control 1-50508
- Ponnavaikko, M., Prakasa Rao, K.S. Optimal distribution system planning 1-43663
- Ponnusamy, J.A., Srinath, M.D. Acquisition of FH PN codes using partial correlation coefficients 1-29209
- Ponnusamy, J.A., Srinath, M.D. Sequential image enhancement using 2-D adaptive estimation 1-41826
- Ponnusamy, J.A., Srinath, M.D. Acquisition of pseudonoise codes in FH systems 1-47115
- Ponomarenko, V.P. Investigation of a model of a correlation system for filtering of pseudorandom signals in the presence of an interference which is similar to the signal 1-33639
- Ponomarenko, V.P. *see* Geller, A.L. 1-44529
- Ponomarenko, V.S. Solution of a class of mathematical programming problems using the group method of data handling (GMDH) 1-32002
- Ponomarenko, V.S. A method of solving continuous vector optimization problems with a large number of criteria 1-39629
- Ponomarenko, Yu.B. Helical hydromagnetic dynamo 1-28841
- Ponomarev, D.P. *see* Gol'tsman, E.R. 1-31390
- Ponomarev, E.P. Suboptimum adaptive filtering for a class of linear models 1-41718
- Ponomarev, V.I. *see* Kravchenko, V.F. 1-37367
- Ponomarev, Yu.V. *see* Landa, P.S. 1-40341
- Ponomareva, O.I. Temperature coefficients of induction of cobalt alloys with samarium and heavy rare-earth metals 1-46384
- Ponomaryov, V.I. *see* Andrianov, V.A. 1-46941
- Pons, R.L. Optimization of a point-focusing, distributed receiver solar thermal electric system 1-31107
- Ponse, F. *see* Dekkers, J.J.M. 1-50935
- Ponse, F. *see* Filensky, W. 1-33969
- Pontano, B. *see* Forcina, G. 1-47641
- Pontano, B. *see* Prasanna, S. 1-47637
- Pontano, B.A., Forcina, G., Dicks, J.L., Phiel, J. A description of the INTELSAT TDMA/DSI system 1-47635
- Pontcharra, J. *see* de Pontcharra, J.
- Ponte, G. *see* Copperi, M. 1-47630
- Ponte, G. *see* Pira, F. 1-51995
- Ponzer, F. *see* Hertneck, K. 1-43627
- Poole, C.D. The wiring regs—a user's view of the 15th edition 1-34847
- Poole, D. New developments in SF<sub>6</sub>-gas circuit-breakers for distribution networks 1-44296
- Poole, D. The application of SF<sub>6</sub>-gas in distribution switchgear 1-44307
- Poole, D. *see* Keintel, L. 1-49633
- Poole, J.B. *see* Le Poole, J.B.
- Poole, J.H. *see* Cornacchia, M. 1-42938
- Poole, K.F. A novel university approach to teaching microelectronics 1-26796
- Poole, M.W. *see* Marks, N. 1-52641
- Poole, M.W. *see* Thompson, D.J. 1-48292
- Poole, R. *see* Brettie, J. 1-32095
- Poon, C.W. *see* Peckham, P.H. 1-43378
- Poon, H.W. *see* McEwan, N.J. 1-28898, 1-46899
- Poon, P. Communication for the disabled 1-52799
- Poon, S.W.H. *see* Bui, T.D. 1-45011
- Poor, H.V., Rivani, Y. Input amplitude compression in digital signal-detection systems 1-37492
- Poor, H.V. *see* Vastola, K.S. 1-33457
- Poor, V.H. The rate-distortion function on classes of sources determined by spectral capacities 1-33438
- Poorten, A.J. *see* van der Poorten, A.J.
- Pop, F. Electromagnetic induction mixing of the melted metal baths. I. Electromagnetic induction mixing systems of the melting baths used in metallurgical engineering 1-53805
- Pop, M., Manea, D., Ursu, E. Safety aspects during the design life of steam generators in relation to various operating results 1-30980
- Pop-Yanev, S. *see* Anastasovski, P. 1-51337
- Popa, B. *see* Bratu, A. 1-30803
- Popa, F. *see* Adaszewski, W. 1-47306
- Popa, M. *see* Otesteanu, M. 1-30170
- Popeck, R.A., Knapp, R.F. Measurement and analysis of audible noise from operating 765 kV transmission lines 1-38780
- Popeck, R.A., Knapp, R.F. Measurement and analysis of audible noise from operating 765 kV transmission lines 1-43638
- Popeck, R.A. *see* Comber, M.G. 1-38783
- Popeea, C. Partial realisations of state equations for circuits with transient parameters 1-45197
- Popela, B. Measuring straightness with a differential laser interferometer 1-46813
- Popenko, N.A. Selection of oscillation peaks in ring open resonator 1-27607
- Popescu, B.G. *see* Barca, C.T. 1-49603
- Popescu, C., Dancila, M., Varzaru, V. Thermodynamic cycle solar power plants—present stage and development tendencies 1-49355
- Popescu, C., Serbanescu, D. Estimation of minimum number of reliable chips on a plate board 1-45765
- Popescu, C., Valentin, Gh. A computer program for battery accumulators generating commutation waves 1-53598
- Popescu, C. *see* Dancila, M. 1-34974
- Popescu, G., Bitoleanu, A., Manolea, G., Burah, L. Optimal control of drives with asynchronous motor controlled by the amplitude and the frequency of the supply voltage 1-31504
- Popescu, G. *see* Ivanescu, M. 1-38993
- Popescu, Gh., Mihai, D., Tolescu, S. Motor with independent excitation by the state incremental dynamic programming method 1-31505
- Popescu, I.M. *see* Cone, G.F. 1-28644
- Popescu, I.M. *see* Cristescu, P. 1-28621
- Popescu, I.M. *see* Stanciu, G.A. 1-32808
- Popescu-Zeletin, R., Henckel, L., Heinze, W., Jacobsen, K., Maiss, G. Network data management for heterogeneous computer networks: the virtual file concept 1-41951
- Popescu-Zeletin, R., Henckel, L., Heinze, W., Jacobsen, K., Maiss, G. Network Data Management of heterogeneous computer networks: the virtual file concept 1-51975
- Popescue, I.M. *see* Stanciu, G.A. 1-51545
- Popkurov, G. A method for the measurement of capacitance, series and shunt resistances of semiconductor junctions 1-52561
- Popkov, S.V. *see* Achasov, O.V. 1-41053
- Popkov, V.M. *see* Parshin, V.A. 1-53830
- Popkov, Yu.P. Design of resonant system of quantum detector 1-38197
- Pople, J. *see* Longden-Thurgood, R.M. 1-43261
- Poponaiik, M.R. *see* Kulkarni, S.B. 1-40481
- Poponiak, M.R. Gettering by thermal migration 1-27893
- Popot, M. The French telecommunications programme by 'TELECOM' satellite 1-47589
- Popov, A.G. *see* Puzanova, T.Z. 1-32961
- Popov, A.K. *see* Arkhipkin, V.G. 1-51521
- Popov, A.M., Sychugov, D.Yu. Equilibrium and stability of a toroidal plasma column with a diverter 1-50257
- Popov, A.N. Economic braking of a series-excitation motor in load-lifting mechanisms 1-39000
- Popov, A.N. Analysis of the starting resistance of compound-wound motors 1-39005
- Popov, A.N. Problem of selecting resistance of potentiometric circuit 1-40159
- Popov, A.N. *see* Al'zhanov, T.M. 1-31710
- Popov, A.V. *see* Meyerova, R.S. 1-33382
- Popov, B.A. Joint approximation of functions and derivatives 1-35883
- Popov, B.A. Uniform splines for approximating continuous functions 1-35884
- Popov, B.A. *see* Vorobel', R.A. 1-27069
- Popov, B.S. *see* Golovach, E.A. 1-38855
- Popov, D.I., Koshelev, V.I. Optimization of digital systems of interperiod signal processing on a background of interference 1-41731
- Popov, I.A. *see* Zotov, A.Ya. 1-35291
- Popov, L.B. *see* Grilikhes, V.A. 1-31530
- Popov, L.N. *see* Vorobeychikov, E.S. 1-46693
- Popov, N.N. *see* Ignatov, I.I. 1-35526
- Popov, P.A. Accelerated synthesis of an antimetric reactance fourpole 1-39866
- Popov, V.A., Shen'ko, V.V. Coding system for film materials of motion picture studio Belarus'film 1-33492
- Popov, V.A. *see* Baldin, A.M. 1-42889
- Popov, V.A. *see* Murmuzhev, B.A. 1-37355
- Popov, V.N. *see* Dalinenko, N.K. 1-41173
- Popov, V.P., Maysov, V.M., Biryukov, V.N., Rudenko, S.I. Multisectional model of the active zone of a field-effect transistor 1-32831
- Popov, V.S., Ruban, N.G. Iterative continuously resetting transducer of electrical-signal periods into DC voltages 1-34260
- Popov, V.S. *see* Breshkarev, A.V. 1-34262
- Popov, V.V. *see* Burtovoi, D.P. 1-38284
- Popov, Yu.M. Reversible optical memory on MNOS-structures 1-50843

- Popov, Yu.M. *see* Aleksanyan, A.G. 1-50848  
 Popov, Yu.M. *see* Belyaev, V.V. 1-33094  
 Popov, Yu.M. *see* Eliseev, P.G. 1-51472  
 Popov, Yu.M. *see* Kompanets, I.N. 1-28538, 1-28539  
 Popov, Yu.M. *see* Mnatsakanyan, E.A. 1-41006  
 Popov, Yu.M. *see* Varga, P. 1-51863  
 Popov, Yu.M. *see* Vorob'ev, A.V. 1-51526  
 Popov, Yu.M. *see* Zverev, A.G. 1-28692  
 Popov, Yu.V. Permissible load of a motor supplied from a thyristor converter 1-38998  
 Popova, I.R. *see* Ivanova, E.S. 1-46188  
 Popova, T.B. *see* Bert, N.A. 1-27792, 1-39779  
 Popova, T.B. *see* Gun'ko, N.A. 1-27110  
 Popovic, B.A. *see* Krause, R.F. 1-46385  
 Popovic, B.D., Djordjevic, A.R. Analysis of monopole-antenna with rectangular reflector 1-41376  
 Popovic, B.D., Paunovic, Dj.S., Gavrilov, T. Theoretical and experimental analysis of cylindrical dipoles with minimal mutual coupling 1-41433  
 Popovic, B.D. *see* Dragovic, M.B. 1-41329  
 Popovic, M. *see* Zeljeznov, M. 1-30681, 1-36349, 1-49042  
 Popovic, R.S., Mladenovic, D.A. Low breakdown voltage Schottky diode as voltage regulator 1-27976  
 Popovic, Z.D. Comment on 'I-V and C-V characteristics of Cr[H-Pc][Cr organic sandwich cell' 1-50844  
 Popovic, Z.D., Zamin, J. Transient action spectra of Al/x-H<sub>2</sub>Pc Schottky barrier photovoltaic cells 1-37030  
 Popovich, M.V., Katic, O. New inverting integrator with improved high-frequency response 1-50548  
 Popovichev, V.V. *see* Eliseev, P.G. 1-37148  
 Popovici, A. *see* Priscu, R. 1-35080  
 Popovici, C., Balaceanu, M., Ceausescu, N., Avram, E. High-voltage hollow cathode discharges 1-32533  
 Popovici, D. The influence of inductivity on some electrical parameters at the DC machine with pulse operation 1-31242  
 Popoviciu, G. Railway traction safety and economy 1-31558  
 Popovski, D.B. A note of King's fifth-order family of methods for solving equations 1-35891  
 Popovskiy, V.V. *see* Rodimov, A.P. 1-42164  
 Popp, O.K. Problems of inputting and hardcopying of videotex frames in colour 1-29413  
 Popp, P. *see* Leonhardt, J.W. 1-31473  
 Poppe, D. Teledata 1-33783  
 Popper, L. Survey, analysis and programming of the economic operation in thermal power plants 1-30962  
 Poppert, K.-H. Model of a future network design with signalling over common channel (CCS) 1-47302  
 Poppinger, M. *see* Breimesser, F. 1-30106  
 Poppel, G.W. A demonstration 565 Mbit/s digital line system over coaxial cable 1-42136  
 Porat, B., Friedlander, B., Morf, M. Square-root covariance ladder algorithms 1-41758  
 Porat, B. *see* Meiri, A.Z. 1-47172  
 Poray, A.T. *see* Dandeno, P.L. 1-35134, 1-35136, 1-35137, 1-38951, 1-38952, 1-38953  
 Poreda, S.J., Kably, A.K., Ward, J.W. Multipliers of Hankel matrices 1-31923  
 Porep, H.G. Distributed control in telephone exchanges 1-33860  
 Porin'sh, V.M. *see* Gavrilin, V.V. 1-38242  
 Porin'sh, V.M. *see* Grigulis, Yu.K. 1-27191  
 Poritskii, A.L. *see* Kolodii, B.I. 1-36330  
 Poritskii, V.Ya. *see* Vladimirov, V.V. 1-27759  
 Porodinkov, O.E. *see* Bashkin, A.S. 1-28661  
 Poronik, B.I. *see* Peretyagin, I.V. 1-29913  
 Porowski, S., Konciewicz, L., Kowalski, J., Aulombard, R.L., Robert, J.L. High magnetic field observation of the resonance donor states of S in InSb 1-32639  
 Porrino, A. *see* Lagostena, L. 1-49057  
 Porta, F. Dalla *see* Dalla Porta, F.  
 Porta, P. della *see* della Porta, P.  
 Portal, J.C. *see* Zdanowicz, W. 1-45953  
 Porte, C. *see* Clerjaud, B. 1-33124  
 Porteneuve, J. *see* Cahen, C. 1-41127  
 Porteous, T.C. Navigation of helicopters in support of the North Sea oil industry 1-42359  
 Porter, G. Electrical wiring: staying on the safe side 1-30712  
 Porter, G. Personal monitors of pollutants 1-52950  
 Porter, W.A. *see* Aravena, J.L. 1-36038  
 Portesine, M. *see* Bisio, G.R. 1-53552  
 Portlock, J. ULAS—an overview 1-40053  
 Portnoff, M.R. Short-time Fourier analysis of sampled speech 1-41535  
 Portnoff, M.R. Time-scale modification of speech based on short-time Fourier analysis 1-41536  
 Portnoi, E.L. *see* Akhmedov, D. 1-28730, 1-28731  
 Portnoi, E.L. *see* Elyukhin, V.A. 1-28732  
 Portnoy, E.L. AlGaAs heterostructures in integrated optics 1-50820  
 Portnoy, S.L. *see* Kantor, L.Y. 1-47643  
 Portnoy, W.M. *see* Karmokolias, C. 1-36653  
 Portnoy, W.M. *see* Yin, J.C.W. 1-36644  
 Portnyagin, A.I. *see* Pak, S.K. 1-37183  
 Porto, J. Dal *see* Dal Porto, J.  
 Porto, P. di *see* di Porto, P.  
 Porto, P. di *see* Di Porto, P.  
 Porzio, G. *see* Moreno, L. 1-47653  
 Posa, J.G. 3-d MOS FETs shrink static RAM cells and analog circuit blocks 1-32251  
 Posa, J.G. What to do when the bits go out [redundancy in memories] 1-45355  
 Poscetti, G.M. *see* Bernardini, A. 1-33497  
 Poschel, C., Jablonski, J. Generation of microstructures by means of electron irradiation 1-46037  
 Posdziech, G. Model of the enhancement transistor with reference to the substrate bias voltage 1-40606  
 Posiello, J. An ambient temperature thermometer 1-30099  
 Posiello, J. Battery charger with automatic cut out 1-49577  
 Posiello, J. Tone corrector 1-52299  
 Posiello, J. A remote control for ultrasonics 1-52969  
 Poslavskii, A.M. *see* Izrailev, Y.L. 1-35056  
 Posner, E.C. Prospects for very deep space optical communication using photon-counting links 1-29722  
 Posner, E.C. *see* Cover, T.M. 1-51873  
 Posner, M.E., Chu Tao Wu Linear max-min programming 1-27042  
 Posner, M.J.M. *see* Brill, P.H. 1-31935  
 Poso, B. *see* Petrecca, G. 1-39160  
 Pospelov, L.A. Nonlinear theory of the M-type oscillator with an open resonator 1-36436  
 Pospelov, L.A. New methodological possibilities of the nonlinear theory of O-type oscillators with distributed interaction 1-36439  
 Pospichal, L. A portable calibrating instrument 1-30155  
 Pospischil, R., Jungmeister, H.G., Stummer, B. 565 Mbit/s digital system on coaxial pairs 1-42137  
 Pospisil, J. *see* Brzobohaty, J. 1-45213  
 Pospisil, P., Kovara, A. The fluctuation of contact voltage in EHV stations in dependence on meteorological conditions 1-26872  
 Possenti, G. *see* Matriciani, E. 1-46867  
 Possin, G.E. *see* Adler, M.S. 1-50898  
 Post, B.H. *see* Eliel, E.R. 1-28668  
 Post, J.C., Peperkamp, J.A.M. MEA computer controlled personal access system 1-48284  
 Post, K.A. New bounds on the performance of binary convolutional codes using Viterbi decoding of binary symmetric channel 1-33525  
 Post, M.J. *see* Lawrence, T.R. 1-48864  
 Post, R.E., Stephenson, D.T. The design of a microstrip antenna array for a UHF space telemetry link 1-29024  
 Post, R.E. *see* Cowan, C.D. 1-53114  
 Postan, M.Ya. *see* Abol'nikov, L.M. 1-35719  
 Postaushkin, V.F. *see* Pinchuk, I.S. 1-39242  
 Postel, J.B., Sunshine, C.A., Cohen, D. The ARPA Internet protocol 1-51955  
 Posthumus, R.L. *see* Duff, M.L. 1-29281  
 Postnikov, A.D. *see* Liseykin, I.D. 1-35046  
 Postnikov, V.I., Bezuglyi, G.B. A method of designing an isotropic solid rotor of finite length 1-31194  
 Postolache, P. *see* Cristescu, D. 1-49129  
 Postolati, N.I. *see* Lebedev, V.K. 1-49837  
 Potapkin, V.I. *see* Pegov, A.A. 1-38226  
 Potapov, L.P. *see* Nikonenkov, N.V. 1-40371  
 Potapov, M.M. *see* Ishmukhametov, A.Z. 1-50259  
 Potapov, V.I., Nesteruk, G.F., Nesteruk, V.F. Organization of domain neuron-like elements with presynaptic interaction 1-46460  
 Potapov, V.I., Nesteruk, V.F., Nesteruk, G.F. Integrated realization of neuron-like elements. A new approach 1-46459  
 Potapovskii, I.B. *see* Kazantsev, V.N. 1-49069  
 Potauf, D. *see* Chehab, R. 1-48508  
 Poteat, T.L., Lalevic, B. Pd-MOS hydrogen and hydrocarbon sensor device 1-32827  
 Potecz, B. *see* Deak, I. 1-48933  
 Potember, R.S., Poehler, T.O., Cowan, D.O., Bloch, A.N. Electrical switching and memory phenomena in semiconducting organic charge-transfer complexes 1-27849  
 Potemkin, V.V., Stepanov, A.V. Stationary nature of 1/f noise in the low-frequency range 1-42739  
 Potemra, T.A. Studies of auroral field-aligned currents with Magsat 1-34702  
 Potemra, T.A., Mobley, F.F., Eckard, L.D. The geomagnetic field and its measurement: introduction and Magnetic Field Satellite (Magsat) glossary 1-34695  
 Potemski, R.M., Small, M.B. Process for batch cleaving GaAs and similar materials 1-40484  
 Potemski, R.M. *see* Heiblum, M. 1-36516  
 Potemski, R.M. *see* Small, M.B. 1-39768  
 Potenza, R. *see* Arona, N. 1-48626  
 Potgieter, J.J. Antenna-to-input stage matching for lowest noise figure in animal-tracking receivers 1-29636  
 Potgieter, M.S. *see* Raubenheimer, B.C. 1-34487  
 Potie, C. *see* Benski, M. 1-44736  
 Potier, J.P. *see* Baribaud, G. 1-42939  
 Potier, J.P. *see* Boillot, J. 1-42937  
 Potimkov, Yu.S., Sokolov, V.F. A symistor voltage limiter for illumination networks in industrial plants 1-34942  
 Potlog, D.M. *see* Ijac, Gh. 1-49451  
 Potlog, D.M. *see* Mihaileanu, C. 1-30671  
 Potochney, G.J., Powell, L.J. Application of protective relays on a large industrial-utility tie with industrial cogeneration 1-38800  
 Potochney, G.J. *see* Rook, M.J. 1-43792  
 Potocnik, O. *see* Moser, H.P. 1-44129  
 Potsic, W.P. *see* Marsh, R.R. 1-48707  
 Potter, D. *see* Mueller, J.J. 1-34441  
 Potter, D.M. The microchannel plate as vertex detector in high energy physics experiments 1-43213  
 Potter, E.C., Goard, P.R.C. The resistive impediment from particulates collected in the electrostatic precipitator 1-37281  
 Potter, J.M. *see* Fazio, M.V. 1-48343  
 Potter, J.M. *see* Hamm, R.W. 1-42880  
 Potter, J.M. *see* Penner, S. 1-38340, 1-42871  
 Potter, J.M. *see* Stokes, R.H. 1-48469  
 Potter, J.M. *see* Williams, S.W. 1-48359  
 Potter, K. *see* Hemery, J.-Y. 1-43092  
 Potter, K.E. Possible techniques for wire detection [helicopters] 1-43413  
 Potter, P.G. Reduction of crosstalk interference in local digital transmission 1-37690  
 Potter, R. *see* Todd, J.H. 1-52754  
 Potter, R.C., Dauelsberg, L.B., Clark, D.C., Griegues, R.J. FMIT alignment cart 1-48280  
 Potter, R.C., Uher, J.L., Clark, D.C., Dauelsberg, L.B. FMIT beamstop 1-48332  
 Pottier, J. *see* Dei-Cas, R. 1-48439  
 Pottgiesser, H. Thoughts on the German Federal Railway's signalling system 1-31527  
 Pottosina, S.A. *see* Gortsev, A.M. 1-50040  
 Potts, C., Faber, M., Gunderson, G., Knott, M., Voss, D. Tune control improvements on the Rapid Cycling Synchrotron 1-48376  
 Potts, C.W., Brumwell, F.R., Cho, Y., Rauchas, A.V., Volk, G.J. Status report on the rapid cycling synchrotron 1-43173  
 Potts, C.W. *see* Yanglai Cho 1-48380  
 Potts, M.W. *see* Prance, R.J. 1-38486  
 Poturski, R.J. *see* Valentino, G.J. 1-52853  
 Potzick, J.E., Robertson, B. Voltage-controlled phase shifter for measuring transfer function in the presence of noise 1-27548  
 Pouchard, M. *see* Demazeau, G. 1-46394  
 Poucher, J.S. *see* Ehrlich, R. 1-34428  
 Poujois, R. *see* Barbier, D. 1-46299  
 Poujois, R. *see* Ittel, J.M. 1-41923  
 Poukey, J.W. *see* Genoni, T.C. 1-48306  
 Poukey, J.W. *see* Miller, P.A. 1-38389  
 Poukey, J.W. *see* Miller, R.B. 1-48397  
 Poukey, J.W. *see* VanDevender, J.P. 1-33376  
 Poulin, N.R. *see* Davis, D.E. 1-40526  
 Poulin, N.R. *see* Mottis, W.T. 1-27416  
 Poulos, J. *see* Fruhwirth, O. 1-28558  
 Poull, F. *see* Le Poull, F.  
 Poulsen, A.W. *see* Boundy, A.W. 1-49930  
 Poulsen, P.D. *see* Ashley, P.R. 1-30759  
 Poulsen, R.S. *see* Toussaint, G.T. 1-33692  
 Pourdoud, S., Sr. *see* Pande, K.P. 1-46006  
 Pourroy, F. *see* Nebenzahl, L. 1-33321  
 Poutissou, J.M. *see* Hargrove, C.K. 1-43237  
 Poutissou, R. *see* Hargrove, C.K. 1-43237  
 Pouzin, L. Methods, tools, and observations on flow control in packet-switched data networks 1-33802  
 Povarkov, V.I., Samkov, V.M. Investigation of the spectral channel sensitivity fields of an IR radiometer and the possibility of equalizing them 1-48116  
 Povarov, O.A. *see* Kiryukhin, V.I. 1-30911  
 Povazan, I. *see* Caplovic, I. 1-52518  
 Povey, E.H. *see* Rickley, A.L. 1-39039, 1-44153  
 Povolotskii, I.S. *see* Kantor, L.Ya. 1-37884  
 Povsten, V.A. Application of integral equations for calculating electrical parameters of rotor bars in induction motors 1-38981  
 Povstanoi, M.V. *see* Kruglenko, V.P. 1-28671  
 Powell, D.R. Performance evaluation and comparison of dependable channel access techniques for locally-distributed computing systems 1-37763  
 Powell, J.A. *see* Nieberding, W.C. 1-38554  
 Powell, J.D. *see* Tennant, J.A. 1-39177  
 Powell, J.R., Balanis, C.A. Fluidized-bed microwave monitor 1-42585  
 Powell, J.R. *see* Makowitz, H. 1-49238  
 Powell, J.R. *see* Taussig, R.T. 1-30942  
 Powell, L. Voltage-detector chip simplifies V-f converter 1-27561  
 Powell, L.D. *see* Hudson, G.D. 1-40311  
 Powell, L.J. *see* Potochney, G.J. 1-38800  
 Powell, L.J. *see* Rook, M.J. 1-43792  
 Powell, M. *see* Heller, S.L. 1-30411  
 Powell, M.J., Dohier, G.H. Comment on 'Capacitance-voltage measurements in amorphous Schottky barriers' 1-27877  
 Powell, M.J., Easton, B.C., Hill, O.F. Amorphous silicon-silicon nitride thin-film transistors 1-40578  
 Powell, M.J.D. A note on quasi-Newton formulae for sparse second derivative matrices 1-27040

- Powell, M.J.D.** An example of cycling in a feasible point algorithm 1-35846
- Powell, R.** Automated noise testing—faster and more reliable than manual testing 1-52368
- Powell, R.A., Yep, T.O., Fulks, R.T.** Activation of arsenic-implanted silicon using an incoherent light source 1-50877
- Powell, R.A. see Yep, T.O.** 1-27972
- Powell, R.F.** Automated noise testing for semiconductors 1-48227
- Powell, S.B. see Hardy, W.C.** 1-43162
- Powell, W.H., Allsop, B.E.** Versatile optical fibre transmission system 1-42263
- Powell, W.H. see Radley, P.E.** 1-42252
- Power, B.A. see Goodwin, E.J.** 1-34901
- Power, B.A. see Goodwin, E.J., III** 1-43734
- Power, G.L.** Distributed network architectures 1-37731
- Power, G.L.** Distributed network architectures 1-47375
- Power, G.P., Caldwell, I.** An improved instrument for the rapid determination of capacitance in electrochemical systems 1-52559
- Power, G.P. see Rand, D.A.J. (editor)** 1-49877
- Powers, D.** Matrical partitions of the vertices of a graph 1-44927
- Powers, E.J., Hong, J.H., Kim, Y.C.** Cross sections and radar equation for nonlinear scatterers 1-47709
- Powers, R.L. see Arkind, K.D.** 1-52157
- Powers, R.S., Haller, R.A., Adams, J.E.** Airspace fields due to signal leakage from cable television systems 1-47810
- Powers, S.A. see Kowalchuk, J.** 1-29382
- Powlesland, M.E. see Helszajn, J.** 1-40220
- Powner, E.T.** Short distance data communication 1-51972
- Poynton, J.P.** Use of metering pumps in power plants 1-53156
- Poyzner, B.N. see Vorobeychikov, E.S.** 1-46693
- Poza, H.B.** Landsat D telecommunications payload: Earth imaging data via TDRS 1-52935
- Poza, L., Bach, R., Clotet, R.** Spanish experience with MV polymeric insulated cables and transition joints 1-49121
- Pozar, D.M., Newman, E.H.** Analysis of a monopole mounted near or at the edge of a half-plane 1-41293
- Pozdeev, A.D.** Dynamic characteristics of pulse-phase control servo systems for thyristor converters 1-31325
- Pozdeev, N.P. see Borodachev, A.S.** 1-31712
- Pozdeev, Yu.L. see Boiko, B.T.** 1-31446
- Pozela, J.K. see Janaviciene, N.J.** 1-36582
- Pozhela, Yu.K., Tolutis, R.B., Laurinavichyus, A.K., Vitkus, A.M.** Finding the mobility and concentration of charge carriers in semiconductors by contactless means 1-36452
- Pozhela, Yu.K. see Vitkus, A.M.** 1-42738
- Pozo, M.** del del Pozo, M.
- Pozumentov, I.Ye.** Statistical characteristics of adaptive antenna systems 1-47030
- Pozzolo, V. see Conte, G.** 1-35578
- Prabhakar, A. see Anjiah, B.** 1-27206
- Prabhu, A.N., Hang, K.W., Conlon, E.J., Hitch, T.T.** Properties of base metal thick film materials on high temperature porcelain coated steel substrates 1-45817
- Prabhu, K.A., Bose, N.K.** Impulse response arrays of discrete-space systems over a finite field 1-51841
- Prabhu, S.S. see Anjaneyulu, P.B.** 1-44206
- Prabhu, V.K.** Cochannel interference immunity of high capacity QAM 1-51767
- Pradere, F. see Agrawal, G.P.** 1-28769
- Pradhan, B.D. see Sriraghavan, S.M.** 1-35250, 1-45311
- Pradoux, J. see Regnault, D.** 1-52164
- Praeg, W., McGhee, D., Volk, G.** Phase lock of rapid cycling synchrotron and neutron choppers 1-42914
- Praeg, W. see Foss, M.** 1-43086
- Praeg, W.F. see Kim, S.H.** 1-28371
- Pragenau, G.L.** Von see Von Pragenau, G.L.
- Prager, E.** Perspective of telephone sets for digital networks 1-37794
- Prak, J.W.L. see Berkman, J.A.** 1-30480
- Prakasa Rao, K.S. see Nagendra Rao, P.S.** 1-38712
- Prakasa Rao, K.S. see Ponnaivaikko, M.** 1-43663
- Prakash, Om., Srinivasan, G.** Initial permeability components and anisotropy in YIG 1-28234
- Prakash, S., Rao, V.V.** Fixed-point error bound for convolution by polynomial transforms, with application to FIR filtering 1-37621
- Prakash, S., Rao, V.V.** Comments on 'Very fast Fourier transform algorithms hardware for implementation' 1-39724
- Prakash, S., Rao, V.V.** Fixed-point error analysis of radix-4 FFT 1-39729
- Prakash, S., Rao, V.V.** A new radix-6 FFT algorithm 1-45073
- Prakash Ram. see Ram Prakash**
- Prakash Rao, M.S., Manoharan, L.C.** Error correction in PCM/IM data transmission over an optical fibre link 1-33486
- Prakhovnik, A.V., Kalinichik, V.P., Zagorodnii, S.V., Mikhedov, N.A.** An apparatus for continuous control and practical prediction of electrical loads of a plant 1-30662
- Pramanik, K. see Biswas, B.N.** 1-36343
- Prance, R.J., Rushby, H., Potts, M.W., Moore, M., Clark, T.D.** Mains noise suppression for SQUID biomagnetic measurements using a phase-sensitive detector technique 1-38486
- Pranchov, P. see Savov, G.** 1-40246
- Pranevicius, L.** Simultaneous ion implantation and deposition 1-40505
- Pranevicius, L. see Grigaitis, P.** 1-32741
- Prangishvili, I.V.** Use of microprocessors in instrument making 1-34197
- Prasad, A. see Jain, G.C.** 1-50759
- Prasad, B., Ravindra, N.M.** The dependence of solar cell active layer resistance on illumination 1-44363
- Prasad, G.S.S.S.K.P. see Tripathy, S.C.** 1-49051
- Prasad, K.** Stabilizing control in emergencies. II. Control by local feedback 1-43527
- Prasad, K.M. see Narasimhan, M.S.** 1-41388
- Prasad, P.S.K.** Conceptual thinking on testing and quality control of the professional grade components 1-44726
- Prasad, S.** Charan see Charan Prasad, S.
- Prasanna, S., Pontano, B., Dicks, J.L., Koh, E.** INTELSAT V 120 Mbit/s TDMA transmission design 1-47637
- Prat, R. see Monchaud, S.** 1-42748
- Pratapa Reddy, V.C.V. see Asraph Ali, K.S.** 1-36216
- Prater, R. see Baker, C.C.** 1-35016
- Pratesi, R. see Ronchi Abbozzo, L.** 1-28958
- Prati, G., Gagliardi, R.M.** Mean-square linear equalization for the optical PPM channel 1-29779
- Pratt, B. see Janai, M.** 1-50318
- Pratt, G.W. see Johnson, L.M.** 1-36972
- Pratt, P.D. see Goble, L.G.** 1-48002
- Pratt, T. see Bostian, C.W.** 1-33340
- Pratt, W.J.** Digitally corrected subranging technique for fast A/D conversion 1-45579
- Pratt, W.K., Faugeras, O.D., Gagalowicz, A.** Applications of stochastic texture field models to image processing 1-33624
- Pratten, J.R.D., Pickering, R.T.** Regulation of power demand with microprocessors 1-52979
- Pratten, J.R.D. see Forrest, A.** 1-43578
- Pravoverov, N.L.** Rate of erosion of cathode-polarized contacts for various silver alloy systems 1-27650
- Praxl, G.** Methods of determining the short- and long-term electric strength of generator winding insulation 1-53355
- Praxl, G. see Egger, H.** 1-53359
- Prazak, P.R. see Smith, L.R.** 1-36314
- Prazewska, M.** Probabilistic analysis of environmental stresses 1-26894
- Prchal, J.** A codec for converting analogue secondary groups 1-37809
- Preache, M. see Bridges, J.E.** 1-52814
- Preda, A.D. see Cartianu, G.** 1-47412
- Preda, A.M. see Cone, G.F.** 1-28644
- Preda, A.M. see Cristescu, P.** 1-28621
- Preda, M., Cristea, P., Ionescu, G.** A new method for analysing complex networks based on iterative hybrid network functions computation 1-36051
- Preda, M., Dorbantu, I.** General topological formula in the topological methods based on the graphs of equivalent circuits with special unipolar elements 1-45159
- Preda, M., Dorbantu, I.** Extension of the topological methods based on the use of the unipolar elements with special incidences. II 1-36028
- Preda, M., Dorbantu, I., Iordache, M.** Homogeneous parameter topological formulae and simplified determination of sign factors 1-45160
- Preda, M. see Cristea, P.** 1-32143
- Preece, J.A.** The nuclear fuel cycle: its role in electricity generation 1-30888
- Preel, X.** Cathodic protection of pipelines by photocells 1-53688
- Preger, M. see Biagini, M.E.** 1-48506
- Preier, H. see Ziegs, W.** 1-28601
- Preier, H.M. see Grisar, R.** 1-37102
- Preiner, P.** Key-operated switch provides security for electronic equipment 1-36387
- Preininger, G.** Medium and large transformers in service—Effects on operation and life 1-53504
- Preininger, G. see Musil, R.J.** 1-35236
- Preis, D.** Phase equalization for magnetic recording 1-42494
- Preis, D., Bunks, C.** Computational and performance aspects of minimax equalizers 1-41773
- Preis, D., Bunks, C.** Three algorithms for the design of transversal-filter equalizers 1-50571
- Preiss, K.D.** Accumulator control. [Accu-control] 1-35487
- Preiss, P.** Silicon oils in transformers 1-35217
- Prekopa, A. see Deak, I.** 1-48933
- Prelas, M.A., Miley, G.H.** Dynamics of the nuclear and electrically pumped 1.45-μm atomic carbon laser in mixtures of helium+CO and helium+CO<sub>2</sub> 1-46674
- Prelas, M.A., Schlapper, G.A.** Comments on 'Nuclear-pumped CW lasing of the <sup>3</sup>He-Ne system' 1-28622
- Prelec, K.** Design of long pulse/steady state negative hydrogen ion sources for fusion applications 1-38375
- Prelec, K. see Alessi, J.** 1-43177
- Prelov, V.V.** Asymptotic behavior of the capacity of a continuous channel with large smooth noise 1-29050
- Premakumaran, N., Parthasarathy, K., Khincha, H.P., Chidambara, M.R.** Multilevel load frequency control (a perturbational approach) 1-38673
- Premoli, A. see Amoia, V.** 1-35680
- Prendergast, D., Feher, K.** Design and evaluation of a 16 state APK quasi universal data modem in an additive white Gaussian noise and interference environment 1-29508
- Prentice, R.L. see Kalbfleisch, J.D.** 1-35743
- Presby, H.M.** Ultraviolet-excited fluorescence in optical fibers and preforms 1-46548
- Presby, H.M., Marcuse, D.** Profile characterization of optical fibers and preforms 1-28493
- Prescott, A.J. see Bolton, B.** 1-39306
- Prescott, R.J.** The comparison of success rates in cross-over trials in the presence of an order effect 1-44826
- Presinger, D. see Egelhof, P.** 1-43163
- Presley, J.A., Jr. see Hodgkiss, W.S., Jr.** 1-37433
- Presser, G. see Moller, G.** 1-52691
- Presser, K.-H.** Comparison of procedures to measure air flow in exhaust air passages 1-42768
- Presser, M.A. see Grant, I.S.** 1-34902, 1-38773
- Prestinario, J.A. see Hage, J.A.** 1-37832
- Preston, K.R. see Cameron, K.H.** 1-42275
- Preston, R.J., Munday, P.J.** The effects of multipath propagation on frequency hopping radios 1-46943
- Preti, M., Vistoli, I.** Asynchronous motors with hybrid rotor 1-49461
- Pretty, C.** Low-current BiMOS operational amplifiers 1-36101
- Preukschat, A.W.** Satellite assembly in geostationary orbit—a plug-and-socket concept 1-34648
- Preuschmann, R. see Knapp, J.** 1-38086
- Preuss, A. see Kuchynka, K.** 1-52590
- Preuss, A. see Navratil, S.** 1-53501
- Preuss, A. see Petersen, D.** 1-34198
- Preuss, B., Schmelcher, T.** Static overcurrent releases for 3WE low-voltage circuit-breakers 1-35281
- Preuss, B. see Berndt, K.-G.** 1-35280
- Preuss, E., Scheibe, A., Schrader, L.** The future possibilities of nonvolatile programmable memories 1-27458
- Preuss, R.D.** Low complexity robust linear predictive coding of speech signals 1-41595
- Prewett, P.D., Gowland, L., Aitken, K.L., Mahoney, C.M.O.** The development of a sprayer for field emission deposition 1-50308
- Prewett, P.D., Jefferies, D.K.** Liquid metal field-emission ion sources and their applications 1-38405
- Prezat, J., Briand, M.** In the electric smelting of non-ferrous metals, what to choose? 1-53808
- Prezewlocki, W. see Rodger, W.H.** 1-29631
- Pribiag, G. see Felea, S.** 1-30842
- Pribis, P.B. see Hindle, R.A.** 1-31116
- Pribyl, F.** A pyroelectric linear sensing system 1-38209
- Pribyl, F.** Passive imaging components 1-46577
- Price, D.L.** Pulsed neutron sources for condensed matter research 1-38386
- Price, G.B., Khan, P.J.** Maximization of the output power in resonant frequency multipliers with ideal abrupt-junction diodes 1-27582
- Price, H.J. see Agrawal, A.K.** 1-46972
- Price, H.M., Robinson, A.P.** An electronically steerable active receiving array for HF 1-41420
- Price, J. see Foote, A.** 1-52865
- Price, J.C. see Cullen, C.W.** 1-43673
- Price, J.N.** Matching the processor to the display 1-48005
- Price, L.E.** Drift-collection calorimeter 1-43240
- Price, L.E., Ambats, I.** Drift-collection calorimeter 1-34443
- Price, M.E.** Hereford combined heat and power station 1-49317
- Price, P.J.** Mesosstructure electronics 1-45976
- Price, R.M. see Pankonin, V.** 1-52208
- Price, T.** Producers and consumers work together on nuclear fuel 1-43872
- Price, T.W., Bryant, J.A.** 'Test methodology for electric vehicles' at the Jet Propulsion Laboratory 1-31593
- Price, W.L., Davies, D.W.** Issues in the design of a key distribution centre 1-33495
- Price, W.R., Kates, J.C., Horstmann, P.H.** Ultraviolet/infrared imaging system 1-47968
- Price, W.W., Roth, B.A.** Large-scale implementation of modal dynamic equivalents 1-49047
- Pridatkov, A.G. see Iskhakov, A.S.** 1-49553
- Priddy, R.W., Irelan, V.G., Bellar, D.R.** Bore-sight checking techniques using second-harmonic generating (SHG) crystals and corner cubes 1-28826

- Pradeaux, P.H. *see* Oh, M. 1-40928
- Pridmore-Brown, D., Huddleston, R.H., Hofland, R., Jr. Low-gamma continuously-tunable infrared (IR) free-electron laser 1-28612
- Pries, R.W. *see* Champion, J.R. 1-30080
- Priest, K.W., Vietor, G.C. Impact of regulators and capacitors on unbalanced feeder analysis 1-49102
- Priest, P.B. The politics of joint electricity and gas distribution 1-36883
- Priestley, M.B. *see* Beamish, N. 1-44830
- Prieto, A., Garcia, J.L., Vegas, A., Calderon, M.A.G. Analysis and measurement of the propagation constant in the inverted strip dielectric waveguide 1-36316
- Prieto, A. *see* Bescos, J. 1-41807
- Prieto, A. *see* Lloris, A. 1-40730
- Prieto, T. *see* Sances, A., Jr. 1-39355
- Prikhod'ko, L.I. *see* Gusev, V.D. 1-41250
- Prikhod'ko, L.I. *see* Kisly, P.S. 1-40754
- Prikhod'ko, V.G., Zhdan, A.G., Gulyaev, I.B. Spectroscopy of surface states at a semiconductor-semiconductor contact 1-32686
- Prilepo, V.M. *see* Timofeeva, V.A. 1-39737
- Prime, J.B., Jr., Valdes, J.G., Silver, D.A., Seman, G.W., Dima, A.F., Buckweitz, M.D. Development of a reduced wall 138 kV HPOF pipe type cable and joints for re-conducting of existing 69 kV lines on the Florida Power & Light Company system 1-49116
- Primot, J. *see* Bugeat, J. 1-32057
- Prince, E.A., Mellor, T.W. Non-fuse circuit protection 1-53564
- Prince, E.T. *see* Czanderna, A.W. 1-35378
- Prince, F.C., Patel, N.B., Shih-Lin Chang, Bull. D.J. Three-layer 1.3  $\mu\text{m}$   $\text{In}_{1-x}\text{Ga}_x\text{As}_y\text{P}_{1-y}$  lasers with quaternary confining layers 1-37103
- Pringle, O.A. *see* Berliner, R. 1-38427, 1-48610
- Prini, G. An introduction to nMOS technology integrated circuits design 1-46295
- Prinke, G. *see* Ryssel, H. 1-27782
- Prinn, A.E. Simple A-to-D converter 1-27588
- Prins, D.W.S. Application of game theory to the development of short-term R&D budget strategy 1-31826
- Prints, V.Ya., Bobylev, B.A. Influence of a strong electric field on the electron capture by nonradiative GaAs centers 1-32649
- Prior, A.J. Fail-safe software 1-36215
- Prior, D.L., Anyaeji, C.A. An equivalent circuit for an eddy current screened air cored machine 1-49470
- Prior, R.W. The dissemination of information in the electricity supply industry 1-52988
- Priore, W.E. A general purpose data processing system simulator for satellite ground stations 1-33961
- Priscu, R., Popovici, A., Suprovici, P. An optimized design method for buttress dams 1-35080
- Prishchepa, M.I. *see* Bashkin, A.S. 1-28661
- Pritchard, D.A., Burton, P.A. The development of the Ambassador range of telephones and production of the basic instrument 1-47446
- Priu, J., Budde, W. Compliance of Si photodiodes with Talbot's law 1-51262
- Privalov, V.E. *see* Kapralov, V.P. 1-41056, 1-52593
- Privalov, V.V., Urman, S.E., Kun, A.P., Kuznetsov, V.N., Bogomolov, A.A. Diagnosis of the control systems of electric locomotives 1-53727
- Privalov, V.Ye. An investigation of dynamic impedance of the glow-discharge 1-36421
- Privalov, V.Ye. *see* Pavlov, P.A. 1-33187
- Proakis, J.G., Ketchum, J.W. Narrowband interference suppressions in pseudo-noise spread spectrum systems 1-33477
- Proakis, J.G. *see* Hsu, F.M. 1-29615
- Prober, D.E. *see* Henry, R.W. 1-40868
- Probert, D.E. *see* Allenstein, B.M. 1-26848
- Probert, P.J. *see* Carroll, J.E. 1-42735
- Probst, H. *see* Hermanspann, F. 1-39917
- Probst, S.E., Bradley, L.L., Jr. US perspectives on the new allocations table 1-52190
- Proch, D. *see* Kirchgessner, J. 1-48534
- Proch, D. *see* Klein, U. 1-43100
- Proch, D. *see* Padamsee, H. 1-28413
- Prochazka, J. *see* Svoboda, J. 1-40262
- Prochazka, K. Some problems of dimensioning protective current transformers in distribution systems 1-31277
- Prochazka, M. A compensation-type analogue-digital converter 1-32390
- Prochnow, H. The SU 165 in an overcurrent cut-out power supply circuit 1-39909
- Prochukhan, A.G. *see* Miroshnikov, M.M. 1-38145
- Prodanov, I.F. *see* Mitev, K.D. 1-48133
- Prodell, A. *see* Allinger, J. 1-43104
- Prodell, A.G. *see* Allinger, J.E. 1-43103
- Prodell, A.G. *see* Hahn, H. 1-52640
- Proebster, W., Grothe, H. Transparent InGaAsP/InP luminescent diode for optical multiplex transmission systems 1-37940
- Proebster, W. *see* Grothe, H. 1-33153
- Proffitt, W. *see* Mitchell, G. 1-51493
- Proga, I. Lightning arrester ignition voltage meter 1-29483
- Progovitz, R.F. *see* Kehley, G.L. 1-50010
- Prohazka, C.G. *see* Towsley, D. 1-37676
- Prohl, R. *see* Lubben, W. 1-35288
- Prokhorenko, V.I., Tikhonov, E.A., Shpak, M.T. Superradiant dye solution laser with two-photon picosecond optical pumping 1-51402
- Prokhorov, A.M. *see* Aliev, F.M. 1-33093
- Prokhorov, A.M. *see* Andreev, A.T. 1-36870
- Prokhorov, A.M. *see* Biryukov, A.S. 1-28659
- Prokhorov, A.M. *see* Bystritskii, V.M. 1-28652
- Prokhorov, A.M. *see* Danileiko, Yu.K. 1-40879
- Prokhorov, A.M. *see* Danileiko, Yu.K. 1-41134
- Prokhorov, A.M. *see* Dianov, E.M. 1-46533
- Prokhorov, A.M. *see* Dorosh, I.R. 1-46811
- Prokhorov, A.M. *see* Golub, M.A. 1-41168
- Prokhorov, A.M. *see* Malkov, A.N. 1-46714
- Prokhorov, V.M. *see* Semikolennykh, M.N. 1-53832
- Prokic, D. On the accuracy of measurements and the accuracy classes of measuring instruments 1-29959
- Prokofiev, V.E. *see* Mandrychenko, A.A. 1-41186
- Prokop, F.P. Pre-neighbourhood A-semi-lattices, neighbourhood lattices, and their associated continuous functions 1-50191
- Prokop, G.S. *see* Danka, A.J. 1-40338
- Prokopcheko, A.I. *see* Vashchenko, A.P. 1-42638
- Prokopchuk, Yu.I. *see* Kirilenko, E.K. 1-52741
- Prokopenko, N.N. *see* Anisimov, V.I. 1-39962
- Prokopenko, V.E. *see* Drazhin, Yu.A. 1-37199
- Prokopov, A.P. *see* Bertel', I.M. 1-51359
- Prokopovic, P. Bus-bar voltage of a feeding transformer for a three-phase converter in bridge connection at a single-phase short-circuit in the AC network 1-39044
- Proksch, P. Energy relations for bandlimited signals in nonlinear resistors 1-36057
- Prola, G. Five channel light organ of Radio Shack no. 277-9230 1-39209
- Prolygin, A.P. Selecting design capacity of power units for the traction electric drives of heavy electric trucks for open-pit mines 1-31749
- Prome, M. The GANIL control system 1-42970
- Promyshlyanskii, M.A. *see* Zil'berblat, M.A. 1-35521
- Pron'ko, M.G. *see* Fillipov, V.I. 1-31672
- Proschan, F. *see* Hollander, M. 1-35690
- Prosin, B.V. *see* Vasilev, V.V. 1-48466
- Proskurowski, A. Recursive graphs, recursive labelings and shortest paths 1-44930
- Prosperi, D. *see* Federici, L. 1-43268
- Prosser, A.P. Possible roles for the professional and educational institutions in aiding the development of engineers in industry 1-26809
- Prosser, V. *see* Hoeschl, P. 1-39741, 1-50780
- Prosteb, L.I. *see* Gorobets, N.V. 1-42601
- Prostyakov, A.A., Gitgarts, D.A., Ladozhskii, V.G., Mnuhkin, L.A. Power and control systems for large induction melting furnaces 1-31716
- Prostyakov, A.A., Protokovets, E.G. High productivity induction smelting furnaces for iron foundries 1-31715
- Prosvirnin, S.L., Reznik, I.I. Diffraction of a plane wave beam by a double ribbon grating 1-37302
- Protasov, I.I. *see* Golenetskii, S.P. 1-30385
- Protasov, I.I. *see* Zaletin, V.M. 1-38437
- Prothero, W.A., Jr. Earthquake signal processing and logging with a battery-powered microcomputer 1-34687
- Proto, G.R. *see* Gegenwarth, R.E. 1-50018
- Proto, G.R. *see* Harper, J.M.E. 1-46046
- Protokovets, E.G. *see* Prostyakov, A.A. 1-31715
- Protopopov, L.N. Synthesis of optimal periodic signals with phase modulation 1-33636
- Protsailo, M.Ya. *see* Bruer, G.G. 1-49282
- Protsenko, E.D. *see* Kozin, G.I. 1-37082
- Protsenko, I.M. *see* Vladimirov, V.V. 1-27759
- Protto, S. *see* Martello, F. 1-47722
- Prouse, D.W. High-speed digital transmission performance of the European Orbital Test Satellite (OTS) 1-47616
- Prouza, L. On the 'Dicke-Fix' detection of finite binary phase keyed sequences 1-33618
- Provalov, S.A. *see* Andreiko, S.D. 1-33304
- Providakes, G., Nation, J.A., Ivers, J. Application of slow space charge waves on an IREB to collective ion acceleration 1-48399
- Pruce, L. *see* Weitzman, L. 1-44173
- Pruce, L.M. Startup and operating experience show how to get the most out of your baghouse 1-43946
- Prucnal, P.R. Single-threshold processing for orthogonal likelihood-ratio detection with applications to FSK fiber-optic communication 1-37493
- Prudenziati, M., Morten, B., Masoero, A. Excess noise and refining processes in thick-film resistors 1-45815
- Prudkii, V.P., Grebenyuk, S.V., Terent'ev, Yu.M. Nontrivial waves in open gyrotronic circuit systems 1-37354
- Prudnikov, V.S. *see* Shutsik, V.I. 1-53572
- Prufert, W. Interference immunity—an equipment parameter of increasing importance 1-33363
- Prujszczyk, M. *see* Kozłowski, L. 1-36353
- Prunele, G. *see* De Prunele, G.
- Pruss, S. *see* Gerig, R. 1-42916, 1-43002, 1-43003
- Pruss, S. *see* Moore, C. 1-48368
- Prussin, S. Ion implantation gettering; a fundamental approach 1-50864
- Pruzan, P. *see* Krarup, J. 1-44976
- Pryakhin, V.Ya. A no-load voltage and current limiter for welding transformers and rectifiers 1-39240
- Pryakhina, T.A. *see* Andreev, A.Ts. 1-28478
- Pryalkin, V.I. *see* Baryshev, S.A. 1-41146
- Pryanishnikov, V.A., Gubanov, N.N. Matrix-topological analysis of linear active circuits with application of unidirectional resistance elements 1-27200
- Pryanishnikov, V.A., Novikov, N.G. Differential measuring amplifier with continuous bias voltage compensation built on integrated microcircuits 1-39945
- Pryor, R.W. A mechanism for endurance failure in metal-nitride-oxide-semiconductor device structures 1-50945
- Prytkov, S.N. *see* Stoyanov, G.S. 1-39913
- Przedpelski, A.B. Programmable calculator computes PLL noise, stability 1-32136
- Przewlocki, H. *see* Kobus, A. 1-27388
- Przewlocki, H.M., Krawczyk, S., Jakubowski, A. A simple technique of work function difference determination in MOS structures 1-46022
- Przhevskii, A.K. *see* Brachkovskaya, N.B. 1-28686
- Przyborowski, W. *see* Partyka, W. 1-53388
- Przyluski, J., Mendyk, J., Druto, N. Application of electrochemical methods in  $\text{Ga}_{1-x}\text{Al}_x\text{As}/\text{GaAs}$  solar cell fabrication 1-49703
- Przyluski, J., Mendyk, J., Druto, N. Use of amorphous silicon for solar energy conversion 1-53621
- Psaltis, D. Acousto-optic processing of two-dimensional signals 1-28542
- Psaltis, D., Casaset, D., Neft, D., Carlotto, M. Accurate numerical computation by optical convolution 1-29225
- Psaltis, D. *see* Trimble, J. 1-41816
- Pschunder, W. *see* Roy, K. 1-53673
- Pshenichnikov, S.M. *see* Andreev, S.A. 1-28783
- Pshenichnikov, S.M. *see* Badikov, V.V. 1-28422, 1-28423
- Pshenichyi, B.N. One method of solving the convex programming problem 1-50216
- Pshonkin, Yu.N. *see* Voitovetskii, V.K. 1-30374
- Psimenatos, N. *see* Williams, G. 1-41909
- Ptasinski, L. *see* Bach, S. 1-36700
- Puccini, S.E. *see* Anderes, S.W. 1-29537
- Pucel, R.A. Design considerations for monolithic microwave circuits 1-40230
- Pucel, R.A. *see* Vorhaus, J.L. 1-32217
- Puckorius, P. Mechanical devices for water treatment: just how effective are they? [steam generation] 1-35041
- Pudalov, V.M. Superconducting SHF resonators and their use in metrology 1-52553
- Pudelk, H. Transformers under the tropical sun 1-35215
- Pudensi, M.A.A. *see* Ripper, J.E. 1-51474
- Puder, J. Design aspects at Fourier-infrared-spectrometers 1-48790
- Puebla, I. *see* Caballero, P.A. 1-51911
- Puech, C. *see* Arditty, H.J. 1-36957
- Puech, C. *see* Kayoun, P. 1-36869
- Puerta, A. *see* Miro, J.M. 1-53242
- Pues, H., Bogaers, J., Pieck, R., Van de Capelle, A. Wideband quasi-log-periodic microstrip antenna 1-41392
- Pues, H., Van de Capelle, A. A simple accurate formula for the radiation conductance of a rectangular microstrip antenna 1-47041
- Pues, H.F., Van de Capelle, A.R. Wideband impedance-matched microstrip resonator antennas 1-41375
- Pugachev, B.N. *see* Dzhelepov, I.B. 1-30286
- Pugachev, M.I. *see* Bukunov, V.S. 1-53731
- Pugh, D.R. *see* St-Jean, G. 1-35323
- Pugh, E.W. *see* Gallagher, T.J. 1-28274
- Pugh, E.W. *see* Keefe, G.E. 1-36840
- Pugh, V.T. *see* Kempson, V.C. 1-48389
- Pugin, P. *see* Billan, J. 1-48530
- Puglaenko, L.A. Optimal number of axial channels in a cylindrical winding 1-35225
- Puglisi, M., Cornacchia, M. Pulsed RF operation analysis 1-43055
- Puglisi, M. *see* Luccio, A. 1-48645, 1-48649
- Puglisi, V.J., Berchielli, A.S., Donnel, C.P. Nickel hydrogen battery for load leveling application 1-31411
- Pugo, V.I. Effectiveness of automatic voltage regulation during large fluctuations in a power system 1-48940
- Pugovkin, A.V. Image conversion in Bragg acousto-optic modulators 1-33096
- Puilo, G.V. *see* Troitskii, V.A. 1-35228
- Pujolle, G. *see* Labetoulle, J. 1-41957, 1-44806
- Pukar Singh, R. *see* Charan Prasad, S. 1-27511
- Pukhov, G.E. Differential transformations of circuit equations 1-39871
- Pulford, J. Practical technology put to work [mobile radiotelephone system] 1-52063
- Pulfrey, D.L. *see* Tarr, N.G. 1-53611

- Pullen, F.D. *see* Maddock, B.J. 1-42261
- Pulleyblank, W.R. The matching rank of Halin graphs 1-44902
- Pullum, G.G. *see* Jones, W.T. 1-41477
- Pulmannova, S. A note on the extensibility of states 1-31981
- Pulou, J. *see* Caspi, P. 1-35691
- Puls, D. *see* Berndt, G. 1-44418
- Pultr, A. *see* Poljak, S. 1-35807
- Pummer, H. *see* Egger, H. 1-46672
- Pun, E.Y.B., Yi-Yan, A. Fabrication of periodic waveguides by ion exchange 1-36866
- Pun, T. *see* Parker, S.I. 1-43235
- Punderson, J.O. Toxic fumes—forget standards, moderate the fire [installation safety] 1-26860
- Punene, Yu.L. Derivation of Kalman filter equations by 'Trial run' method 1-51825
- Pungin, N.A., Semenikhin, V.N. A capacitive method of nondestructive control of between-contact gaps in electromagnetic relays 1-27659
- Puntambekar, P.N. *see* Chitnis, V.T. 1-34276
- Puplett, E. *see* Martin, D.H. 1-48192
- Pupolin, S., Bilardi, G. Spectral analysis of the powers of a PAM digital signal 1-33478
- Pupolin, S. *see* Bellotto, P. 1-47094
- Purbrick, J.A. A force transducer employing conductive silicone rubber 1-52460
- Purcell, J. *see* Hoffmann, E. 1-28375
- Purcell, J.R. *see* Alcorn, J.S. 1-28383
- Purcell, J.R. *see* Hsu, Y.-H. 1-28379, 1-28386
- Purdy, D. Piezoelectric devices—a step nearer problem-free vibration measurement 1-34275
- Pure, R.R. *see* Lyubarskii, V.G. 1-31210
- Puri, P.P., Puri, Y.K. Testing tristate off-chip drivers in FET designs 1-27271
- Puri, Y.K. *see* Puri, P.P. 1-27271
- Purica, I. *see* Ursu, I. 1-49225
- Purkayastha, S. *De see* De Purkayastha, S.
- Purmonen, V.T. On parametrically quasi-elliptic boundary problems 1-32025
- Purohit, D.P. Reliability engineering 1-50042
- Purohit, R.K. *see* Sharma, B.L. 1-27865
- Purser, K.H., Williams, P., Litherland, A.E., Stein, J.D., Storms, H.A., Gove, H.E., Stevens, C.M. Isotopic ratio measurement at abundance sensitivities greater than  $1:10^{15}$ : a comparison between mass spectrometry at keV and MeV energies 1-48666
- Purser, K.H. *see* Litherland, A.E. 1-48663
- Pursley, M.B. *see* Blumer, A.C. 1-33447
- Pursley, M.B. *see* Davison, L.D. 1-41495
- Pursley, M.B. *see* Garber, F.D. 1-29045
- Pursley, M.B. *see* Reginiotes, E.A. 1-29695
- Purvis, B.D. *see* Chubb, G.P. 1-49931
- Pusep, Yu.A. *see* Neizvestnyi, I.G. 1-32688
- Push, V.E. *see* Velednitskii, V.M. 1-53820
- Pushnaya, I.V. *see* Dmitrieva, E.N. 1-34859
- Pusterla, M. *see* Pascolini, A. 1-43018
- Pustogarov, A.V. *see* Kucherov, Ya.R. 1-36425
- Pustovalov, A.I. *see* Kordakov, V.N. 1-53742
- Pustovoi, V.I. *see* Zhokhov, V.Z. 1-45910
- Pustyl'nik, Yu.M. *see* Ovechkin, L.B. 1-52320
- Put, L.W. *see* Vermeulen, J.C. 1-30338
- Putaux, J.C., Obert, J., Kotfila, L., Roussiere, B., Sauvage-Letessier, J., Liang, C.F., Peghaire, A., Paris, P., Giroux, J. Target ion source systems at the Orsay ISOCELE 2 separator 1-52658
- Putaux, J.C. *see* Paris, P. 1-48327
- Puthal, B., Jena, A.K. Closed loop controllers for position tracking servo systems using thyristor controlled DC drives 1-39144
- Putrin'sh, Yu.Yu. *see* Kanaev, A.S. 1-32118
- Putt, A.C., Smithett, R.G. CJP3: a computer aid to junction network planning 1-29288
- Putz, U. *see* Hentschel, F. 1-38957
- Putze, A. Ten year experience with an air to air heat pump system in the all-electric VSE advisory centre in Illigen/Saar 1-31684
- Puzanchikov, A.V., Cherkasov, V.V. Radiotelemetering apparatus for strain measurements on rotating parts 1-48006
- Puzanova, T.Z., Popov, A.G., Shur, Ya.S., Maikov, V.G. Domain structure and remagnetisation of alloy Sm-Co-Fe-Cu-Zr magnets 1-32961
- Puzyreva, O.B. *see* Medvedeva, R.L. 1-43886
- Pvinichny, J.R. Stepper drive for three-phase squirrel-cage motor 1-44095
- Pyabus, G.V. *see* Mel'kanovich, A.F. 1-38624
- Pyankov, V.V. *see* Fedotov, A.P. 1-30290
- Pyarnpuu, A.A. *see* Zmievskaia, G.I. 1-44824
- Pyatin, S.I. *see* Rudyk, V.D. 1-52508
- Pyatina, O.N. *see* Baranov, B.K. 1-31571
- Pyatkin, A.A., Bondarenko, E.A., Grebenkina, V.G. Composite resistance materials based on silicides of refractory metals 1-35979
- Pyle, J.C. Analysis of deep composite steel and concrete slabs 1-39655
- Pyle, R.V. *see* Schneider, P.J. 1-38396
- Pyljow, S.A. *see* Borodulja, W.A. 1-42772
- Pyshkin, I.M., Chvilev, G.D. A quasi-optimal algorithm for detection of a deterministic signal in nonGaussian interferences 1-33635
- Pyshkin, S.L., Shudlov, V.I. Analyses of fast-acting processes 1-38151
- Pytel, J. *see* Borecki, J. 1-53373
- Pytkowski, S. *see* Halas, A. 1-32848
- Pyzhov, S.I. *see* Kurilov, G.V. 1-49828
- Qadeer, A. *see* Ansari, A.A. 1-36538
- Qi Shang-xue *see* Dai Shou-yu 1-51448
- Qi-mei Tong *see* Tong Qi-mei
- Qi-ming Wang *see* Wang Qi-ming
- Qi-Yuan Gao *see* Gao Qi-Yuan
- Qian Ji-zen Equivalent phase center of the subreflector in the shaped Cassegrain antenna 1-41314
- Qian Xueyu *see* Xueyu Qian
- Qikang Fan *see* Fan Qikang
- Qing-xi Cao *see* Cao Qing-xi
- Qing-Yun Ma *see* Ma Qing-Yun
- Qiu, Y.H. *see* Zhang, R.R. 1-41287
- Qiu Deren, Wang Naixin Photovoltaic spectrometry used to determine the composition of the epitaxial layer GaAs<sub>1-x</sub>P<sub>x</sub>. II 1-27799
- Qiu Mingxin *see* Shao Meizhen 1-41059
- Qiu Pei-xia *see* Zhi Ting-ting 1-46775
- Quade, A.W. *see* Stys, R.D. 1-44619
- Quade, D. *see* Salama, I.A. 1-35777
- Quang Khue Le *see* Le Quang Khue
- Quansheng Li *see* Li Quansheng
- Quarendon, S., Everett, D. Data transmission security 1-47394
- Quarmby, D.J. *see* Abdel Gadir, O.M. 1-52275
- Quarrie, D.R. Data acquisition system for the TASSO experiment 1-48652
- Quarta, P. Intermodulation noise caused by large amplitude, long delay echoes 1-29623
- Quarteroni, A. *see* Brezzi, F. 1-35922
- Quartey, E.L., Allen, L. Hydroelectric power in Ghana. II 1-31087
- Quate, C.F. The acoustic microscope: a concept for microscopy using waves of sound 1-48915
- Quatieri, T.F. Recursive two-dimensional signal reconstruction from linear system input and output magnitudes 1-33628
- Quatieri, T.F., Dudgeon, D.E. Extensions of 2-D iterative digital filters 1-40125
- Quatieri, T.F., Tom, V.T., Hayes, H., McClellan, J.H. Convergence of iterative signal reconstruction algorithms 1-37585
- Quatieri, T.F. *see* Pohlig, S.C. 1-37606
- Quazi, A.H. An overview on the time delay estimate in active and passive systems for target localization 1-42290
- Quazi, A.H. Effects of signal and noise spectral slopes on time delay estimates in passive localization 1-42299
- Queen, G.W., Bryan, J.K., Gowdy, J.N. Investigations of several discrete transform methods for image processing applications 1-39731
- Queiroz, J.F. *de see* de Queiroz, J.F.
- Quen Tserng Hua *see* Hua Quen Tserng
- Quennee, R. *see* Laviron, A. 1-31899
- Quenneville, Y. *see* Fontaine, J. 1-52393
- Quercioli, F. *see* Molesini, G. 1-40984
- Querrou, M. *see* Burq, J.P. 1-52679
- Queru, P. *see* Cockerill, D. 1-43233
- Quesinberry, E.C. *see* Farrell, J.L. 1-52150
- Quichaud, G. *see* Pakdel, M. 1-53418
- Quick, R.G., Marshall, F.J. Multibeam CRT for high-speed information recording 1-45871
- Quickenden, T.I. *see* Irvin, J.A. 1-26978
- Quigley, G. *see* Bolon, C. 1-34463
- Quigley, P.E. Quality control used to forecast product problems 1-44730
- Quijano, A.A. *see* Muravchik, C.H. 1-32517
- Quilez, A. Electronic organs. VI. The development of design technologies 1-29932
- Quilez, A. Organ electronics. VIII. Development of construction technology 1-47846
- Quilez, A. Electronic organs. VII. Development of the techniques of construction 1-52301
- Quilez, A. Electronic organs. IX. Developments in design technology 1-52302
- Quillec, M., Benichmol, J.L. The problem of substrate dissolution in LPE of III-V compounds in the simple solution approximation, application to the In<sub>0.5</sub>Ga<sub>0.5</sub>As<sub>0.5</sub>P<sub>0.5</sub>/InP system 1-39791
- Quillec, M. *see* Burgeat, J. 1-32057
- Quin, P.A. *see* Barker, M.D. 1-43164
- Quin, P.A. *see* Haerberli, W. 1-43150
- Quine, R.W. *see* Rinard, G.A. 1-34594
- Quinlan, W.P. *see* Herald, R.F. 1-46408
- Quinn, B. Planning for ATE support of gas turbine engines—a systems approach 1-52848
- Quinn, G.C. How to manage an ATE facility 1-26905
- Quinn, J.J. *see* Cole, T. 1-32713
- Quinn, J.R., Hildebrand, P.B. Recent material property measurements by acoustic techniques 1-38634
- Quinn, K.T. OCR input to magnetic card and data processing apparatus 1-51089
- Quinn, M.D., Richter, D. Dynamic testing of memory arrays which utilise EEC logic 1-28048
- Quinn, M.D., Richter, D. Dynamic testing of memory arrays which utilize error checking and correction (ECC) logic 1-46221
- Quinn, P.A. A cascode amplifier nonlinearity correction technique 1-27327
- Quinn, T.B. *see* Marsh, R.C. 1-53798
- Quinn, W.J. Helping the wholesaler make 'service' meaningful 1-39343
- Quinones, D.F. *see* McMaster, W.H. 1-39684
- Quint, V. Local networks: concepts and realisations 1-33828
- Quintana, V.H., Chikhani, A.Y. A stochastic model for mid-term operation planning of hydro-thermal systems with random reservoir inflows 1-30660
- Quintana, V.H. *see* Romano, R. 1-38685, 1-43515
- Quintana, V.H. *see* Simoes-Costa, A. 1-34767, 1-48955
- Quintanilla, M., de Frutos, A.M. Holographic filter that transforms a Gaussian into a uniform beam 1-28790
- Quintenz, J.P. *see* Johnson, D.J. 1-30309
- Quintenz, J.P. *see* VanDevender, J.P. 1-30308, 1-33376
- Quintero, P. *see* Joshi, N.V. 1-51247
- Quinton, K.C. Possible developments in satellite broadcasting in Europe 1-47581
- Quirk, M., Liu, B. On narrow-band spectrum calculation by direct decimation 1-37596
- Quoc Ho Vu *see* Vu Quoc Ho
- Quoc Vu Ho *see* Sugano, T. 1-32773
- Qureshi, M.H. *see* Sajjad, M.I. 1-45138
- Ra, J.B., Cho, Z.H. Generalized true three-dimensional reconstruction algorithm 1-33629
- Ra, J.B. *see* Cho, Z.H. 1-34577
- Raab, A.R. *see* Chan, K.K. 1-41441, 1-47022
- Raaf, F. Low-frequency correlation phase detectors using hard limiting [for radionavigation receivers] 1-34021
- Raaf, F. *see* Stiller, S. 1-43381
- Raaf, G.M. Estimation of a variance function, with application to immunoassay 1-44829
- Raaijmakers, F.J.M. Reliability of standby system for units with Birnbaum & Saunders distribution 1-39458
- Raatz, E. *see* Fink, R. 1-53401
- Rabaez, J., Vandewalle, J., De Man, H. On the frequency domain analysis of switched capacitor networks including all parasitics 1-45245
- Rabaiotti, P.A. *see* Williams, R.J. 1-30389
- Rabal, H.J. *see* Bolognini, N. 1-46803
- Rabasco, A.D. *see* Iwasa, Y. 1-28370
- Rabbaa, A. *see* Dubost, G. 1-47018
- Rabbani, K.S., Lamb, D.R. A quick method for the determination of bulk generation lifetime in semiconductors from pulsed MOS capacitance measurements 1-40376
- Rabe, G. *see* Killat, U. 1-28458
- Rabeja, I. Heat regulator inter thermocouple 1-39135
- Rabier, A. *see* Parisot, M. 1-36615
- Rabin, S. The NEC CTT-7000 1-42433
- Rabiner, L.R., Levinson, S.E. Isolated and connected word recognition—theory and selected applications 1-37431
- Rabiner, L.R., Wilpon, J.G. Isolated word recognition using a two-pass pattern recognition approach 1-41567
- Rabiner, L.R., Wilpon, J.G. A two-pass pattern-recognition approach to isolated word recognition 1-47142
- Rabiner, L.R. *see* Ackenhusen, J.G. 1-41572
- Rabiner, L.R. *see* Crochiere, R.E. 1-29175
- Rabiner, L.R. *see* Lamel, L.F. 1-47146
- Rabiner, L.R. *see* Myers, C.S. 1-33573, 1-41521, 1-41534, 1-41586
- Rabiner, L.R. *see* Rosenberg, A.E. 1-41590
- Rabinovich, A.V. *see* Vodichev, V.I. 1-30909
- Rabinovich, A.Z. *see* Nesrullaev, A.N. 1-51234, 1-51864
- Rabinovich, M.I. *see* Kyashko, S.V. 1-32227
- Rabl, H. The ELIN—analogue control system ANR2 for drives with network driven converters 1-31499
- Rabochii, A.A. *see* Shuliak, V.G. 1-31374
- Rabotkin, V.G. *see* Genkin, S.A. 1-51379
- Rabov, S.S. *see* Drazhev, M.N. 1-52244
- Rabrenovic, D., Jovanovic, V. Modified Chebyshev magnitude characteristic with optimal summed sensitivity 1-36033
- Rabrenovic, D. *see* Jovanovic, V. 1-45452
- Rabrenovic, D.M., Aleksic, Z.J. A method of improving transient characteristics of functions with monotonic magnitudes 1-45167
- Racca, C. *see* Alard, J.P. 1-52717
- Raceah, P.M. *see* Dorantes-Davila, J. 1-36470
- Racher, I.B., Pavlova, S.A., Stefanov, S.R. Biological objects impedance four electrode meter 1-52752
- Rachford, F.J. *see* Refai, T.F. 1-28330
- Rachui, R.A. Strain relief bushing for cables 1-30786
- Racine, F.A. *see* Newsom, T.H. 1-29980
- Rackley, C.E. *see* Zissermann, D. 1-48732
- Rackliffe, G.B. *see* Nemeth, C.W. 1-43704
- Racz, B., Bor, Zs., Szatmari, S., Szabo, G. Comparative study of beam expanders used in nitrogen laser pumped dye lasers 1-28753
- Racz, M. *see* Fodor, F. 1-35434
- Racz, M. *see* Molnar, Gy. 1-35327
- Raczynska, J. *see* Fronc, K. 1-28714

- Rada, B.** Utilisation of solar and wind power for energy conversion in Czechoslovak climate 1-38930
- Rada, C.** NSC800—a low-power high-performance microprocessor family 1-27382
- Rada, C.** Low power microprocessors 1-45376
- Radautsan, S.I.** *see* Donu, V.S. 1-42617
- Radavichyus, M.E.** *see* Ibragimov, I.A. 1-35789
- Radcenco, V., Dobrovicescu, A.** The influence of the thermodynamical properties of  $\text{NH}_3$  and R-12 on the specific features of the refrigerating plant with vapour cycle 1-31689
- Radchenko, A.F.** *see* Malyshev, V.A. 1-36346
- Radchenko, V.S.** *see* Bondar, V.M. 1-36465
- Radcliff, R.D., Balanis, C.A.** Electromagnetic geophysical imaging incorporating refraction and reflection 1-43427
- Radcliffe, J.K.** Proportional base drive structure 1-27266
- Radcliffe, J.K.** Parallel power transistor base drive system 1-27269
- Radcliffe, J.K.** *see* Nosowicz, E.J. 1-27419
- Radcliffe, W.J.** *see* Gallop, J.C. 1-30245
- Raddi, W.J.** *see* Smollinger, G.J. 1-44226
- Radecki, J.** *see* Lipinski, W. 1-38184
- Radeka, V.** *see* Boie, R.A. 1-34437
- Radhakant, S.** *see* Rogers, R.R. 1-33335
- Radhakrishna, C.** *see* Padiyar, K.R. 1-38691, 1-38726
- Radhakrishna Rao, C.** A lemma on g-inverse of a matrix and computation of correlation coefficients in the singular case 1-39475
- Radhakrishna Rao, K., Moni, R.S.** Large signal instability in active RC biquadratic filter building blocks 1-36248
- Radhakrishna Rao, K., Ravichandran, S.** Notch filters with high-Q pole pair for high frequencies 1-40094
- Radhakrishna Rao, K.** *see* Moni, R.S. 1-36245
- Radhakrishnan, B.D.** *see* Clements, J.L. 1-29536, 1-29572
- Radhakrishnan, M.** *see* Mahalingam, T. 1-32510, 1-32511, 1-50641
- Radhakrishnan, M.** *see* Paramasivam, K.R. 1-36362
- Radhakrishnan, M.K.** *see* George, J. 1-32668
- Radhakrishnan, R., Kshirsagar, A.M.** Influence functions for certain parameters in multivariate analysis 1-39542
- Radhakrishnan, S., Mehendru, P.C.** Sputtering of ternary alloy thin films from multicomponent targets 1-35972
- Radhakrishnan, V., Achyutha, B.T.** Study of the surface formed in EDM using relocation technique 1-35535
- Radvieskii, A.E.** *see* Dolgonsov, N.S. 1-48928
- Radikainen, Ya.M.** A data-transmission signal as pilot signal for tracking corrector-measurement systems 1-42419
- Radike, S.** Long range TV reception for GGA installations 1-42389
- Radin, V.I., Kuznetsov, B.I., Soroker, T.G.** Development of common series of electric machinery, the technical policy of the USSR electrical industry 1-31872
- Radin, Y.A.** *see* Izrailev, Y.L. 1-35056
- Radina, T.V., Fradkin, E.E.** Spatial model of a ring laser 1-51488
- Rad'ko, M.A., Stepanova, L.N.** Bipolar pulse to quasi DC voltage conversion errors 1-41730
- Radlbeck, W.** *see* Meisenburger, R. 1-29780
- Radley, G.S., Moses, A.J.** Apparatus for experimental simulation of magnetic flux and power loss distribution in a turbogenerator stator core 1-38955
- Radley, P.E.** Systems applications of optical fibre transmission 1-47690
- Radley, P.E., Powell, W.H., Allsop, B.E.** Versatile optical fiber transmission system 1-42252
- Radloff, W.** The new beam position measurement system for the DESY synchrotron 1-42946
- Radlowski, M.** *see* Kowalski, Z. 1-38639
- Radman, G.** *see* Anderson, J.N. 1-44112
- Radoi, L., Buzdughina, I.** Bridge for the measurement of capacitance and of capacitive unbalance 1-30236
- Radparvar, M., Nordman, J.E.** Observation of fluxon propagation in asymmetrically biased long Josephson junctions 1-28332
- Radu, A.** *see* Maftai, M. 1-49252
- Radu, I.** *see* Pomarleanu, M. 1-48946
- Radu, V.** *see* Maftai, M. 1-49252
- Radun, A.V., Melcher, J.R.** DC power line charging of macroscopic particles and associated electrical precipitation on insulators 1-34909
- Radwan, R.M., El Dessouky, S.S.** Effect of sand and sand storms on the electrical characteristics of high-voltage insulators 1-30788
- Raemaekers, E.L.M.** *see* Druyvesteyn, W.F. 1-46416
- Raemer, H.R.** Field analysis of a class of RF intrusion sensor systems [alarm systems] 1-49978
- Raeth, P.G., Acken, J.M., Lamont, G.B., Borky, J.M.** Functional modelling for logic simulation 1-45431
- Rafat, H.A., Mavor, J.** Experimental validation of exact design of switched-capacitor ladder filters 1-27489
- Raffaj, V.** An active experiment in electrical engineering 1-26897
- Raffee, H.** Modern marketing and its importance for the German Federal Postal Administration 1-33722
- Rafian, M.** Transient analysis of capacitor motors using dynamic phase coordinates theory 1-31229
- Rafian, M.** *see* Parton, K.C. 1-49171
- Ragadini, M.** *see* Bellazzini, R. 1-30351
- Ragaller, K., Burger, U., Ruoss, E.** Introduction and survey: surges in high-voltage networks 1-30667
- Ragaller, K.** *see* Keinert, L. 1-49633
- Ragdale, C.M.** *see* Gambling, W.A. 1-47685
- Raghav, V.S.** *see* Sharma, Y.K. 1-32709
- Raghavan, K.** *see* Narasimhan, M.S. 1-41385, 1-47016
- Raghavayya, M.** An inexpensive radon scintillation cell 1-52702
- Raghavendran, K.** Hydroelectric power from ocean waves 1-49331
- Ragunathan, K.S.** *see* Majundar, S. 1-45360
- Raghurami Reddy, D., Reddy, P.S., Swamy, M.N.S.** Necessary and sufficient conditions for the stability of a class of 2-D recursive digital filters 1-45541
- Raghurami Reddy, D., Subramaniam, P.** Reliability model for mutually exclusive n-state repairable system 1-49621
- Raghuveer, M.R.** *see* Katahoire, A.M.S. 1-28172
- Raghuveer, M.R.** *see* Perz, M.C. 1-30770
- Ragonese, L.J.** *see* Dening, D.C. 1-36674
- Ragot, P.** *see* Bomal, R. 1-53643
- Rahal, A.M.** *see* Peyregne, G. 1-36704
- Rahim, A.H.M.A., Safa, M.M.A.** Performance of a solid state exciter for power system stability 1-49421
- Rahim, T., Guy, J.R.F., Davies, D.E.N.** A wide-band UHF circular array 1-41431
- Rahimi, S., Henisch, H.K.** Barriers on n- and p-type germanium 1-40450
- Rahko, K.** The telephone works and digitalisation of the telephone network 1-52017
- Rahko, K.** *see* Hirvensalo, J. 1-42096, 1-52019
- Rahman, A., Haque, S.E.** On the feasibility of solid-state AC circuit breakers 1-44285
- Rahman, F., Shafai, L., Bridges, E.** Radiation characteristics of array of crescent slots fed through radial waveguide 1-33388
- Rahman, F., Shafai, L., Bridges, E.** Radiation characteristics of radial waveguide fed slot arrays of various shapes 1-41349
- Rahman, F., Shafai, L., Bridges, E., Ittipiboon, A.** A simple coaxial fed planar microstrip slot array 1-51733
- Rahman, F.** *see* Ittipiboon, A. 1-47081
- Rahman, M.** Syndrome decoding—re-examined from a combinatorial viewpoint 1-33554
- Rahman, M.** Application of tactical design in construction of codes 1-47130
- Rahman, M., Meyer, I., Dau, W.D., Stachmann, A., Stamm, W., Jokisch, H.** Multitrack drift chamber with 60 cm drift space 1-52695
- Rahman, M.A., Dash, P.K.** Stabilization of an AC-DC power system using a controlled multiterminal HVDC link 1-38720
- Rahman, M.A., Schot, J.A.** Parasitic losses in large hysteresis motors 1-53374
- Rahman, M.M., Eastwood, H.K., Rivett, P., Herrera, M.** Design and practical consideration for manufacturing a non-metallic fiber optic cable for aerial application 1-33075
- Rahman, M.M.** *see* Badr, A.H. 1-42724
- Rahman, S., Lee, F.C.** Nonlinear program based optimization of boost and buck-boost converter designs 1-53547
- Rahmat-Samai, Y.** *see* Shung-Wu Lee 1-41384
- Rahmat-Samii, Y., Salmasi, A.B.** Vectorial and scalar approaches for determination of interbeam isolation of multiple beam antennas—a comparative study 1-52094
- Rahmat-Samii, Y.** *see* Huang, J. 1-51750
- Rahn, A.** Hot air leveling applications 1-40304
- Rahn, C.W.** A versatile bench top digital IC tester for incoming inspection 1-32846
- Rahuel, J.C.** *see* Lorig, B. 1-47369
- Rai, S.** *see* Aggarwal, K.K. 1-37746
- Rai, S.** *see* Gopal, K. 1-35576
- Raicu, B.** A graphical method to obtain the implantation regime required for heavily doped deep semiconductor junctions 1-40508
- Raider, S.I.** *see* Broom, R.F. 1-28347
- Raikhman, A.Z.** *see* Apakhov, M.I. 1-36014
- Raila, E.** *see* Monashkin, M. 1-34907
- Railton, G.H.** The WARC-79 and Papua New Guinea 1-52189
- Raimond, E.** *see* Bos, A. 1-42365
- Raina, M.K., Dubey, V., Uppal, G.S., Chadha, R.** Radiosonde measurements of water vapour content over northern regions of India and an intercomparison with radiometer observations for New Delhi 1-46868
- Rainard, J.-L., Vernay, Y.-J.** A 16-bit self-testing multiplier 1-40033
- Rainard, J.-L., Vernay, Y.-J.** Self-testing integrated circuits: a multiplier 1-46193
- Rainbolt, S.M., Hines, J.** SPRINT—a high speed interactive array processing system 1-41712
- Raine, J.** Use of standard fluorescent fittings for emergency lighting 1-44464
- Raine, J.** Central battery design parameters 1-53771
- Rainer, E.** A new, highly selective TF decibel meter for multi-control technology 1-42636
- Rainer, F.** *see* Milam, D. 1-33261
- Rainey, R.M.** Sputtercoating—a production reality 1-44695
- Raino, A.** *see* Brautti, G. 1-52613
- Raisanen, A.V.** Experimental studies on cooled millimeter wave mixers 1-27358
- Raisanen, J., Hirvonen, J., Anttila, A.** The diffusion of silicon in germanium 1-36463
- Raisbeck, G.M., Yiou, F.** Electromagnetic isotope separation as a method of improving the detection limits of accelerator spectrometry 1-48665
- Raisin, I.B.** *see* Adas'ko, V.I. 1-31250
- Raithel, R.** *see* Walker, L.N. 1-30613
- Raithel, R.** *see* Yau, T. 1-34772
- Raitsin, R.A.** Asymptotic properties of uniform approximations of functions with algebraic singularities by partial sums of Fourier-Chebyshev series 1-45035
- Raj, K.** *see* Melillo, L. 1-29926
- Raja, J.** *see* Aravamudan, R. 1-38548
- Rajagapalan, R.** *see* Bailey, J.A. 1-46411
- Rajagopalan, S.R.** *see* Govind, S. 1-52351
- Rajagopalan, V.** *see* Lemire, G. 1-49561
- Rajakovic, G.E.** New designs for high-efficiency power stations 1-53274
- Rajan, P.K.** *see* Reddy, C.H. 1-37544
- Rajan, P.** Karivaratha *see* Karivaratha Rajan, P.
- Rajan, R.S.** *see* Bhandari, N. 1-48635
- Rajashakara, K.S., Vithayathil, J.** Harmonics in voltage-source PWM inverters 1-44205
- Rajba, S.** Influence of static time distortions on error rate in data transmission by Gaussian noise 1-29289
- Rajeekavakumar, T.V.** A soliton device 1-28321
- Rajeekavakumar, T.V.** Josephson transistor 1-28352
- Rajendra Kumar** *see* Singh, D.N. 1-40576
- Rajeshwar, K.** *see* Singh, P. 1-49648, 1-53591
- Rajeshwar, K.** *see* Weaver, N.L. 1-44377
- Rajeswaran, G.** *see* Anderson, W.A. 1-49685
- Rajkanan, K.** *see* Kalet, M. 1-32253
- Rajkanan, K.** *see* Singh, R. 1-31460
- Rajkovic, B.** Present state-of-the-art and trends in development of controlled AC electric-motor drives 1-49716
- Rajkovic, V.** Reliability of natural gas field supervisory system 1-39439
- Raju, G.R.** Govinda *see* Govinda Raju, G.R.
- Raju, G.S.** *see* Bandopadhyaya, R.N. 1-35147
- Raju, G.V.R.** *see* Sodha, M.S. 1-53691
- Raju, S.B.** *see* Rao, K.H. 1-40415
- Raju, T.A., Talwai, A.S.** Metal-insulator-semiconductor capacitors with bismuth oxide as insulator 1-50839
- Raju, V.R.** *see* Fleming, J.W. 1-36947
- Raka, E.C.** *see* Ezura, E. 1-43022
- Rakaev, A.P.** *see* Pliskin, Yu.S. 1-52456
- Rakels, J.H.** *see* Goemans, P.A.F.M. 1-49762
- Rakes, J.M., Williams, E.R.** Trapped charge transducer for low-cost angular position sensing 1-48046
- Rakes, J.M.** *see* Polk, D.R. 1-39903
- Rakhimov, V.F., Gorodkov, V.E., Tkachenko, V.A., Zaleskii, V.V.** Theoretical premises of defect measurement close to the side surface of a part 1-50359
- Rakhmatov, V.E.** *see* Baldin, B.Yu. 1-34484
- Rakhval'skii, M.P.** *see* Bazhenov, V.Yu. 1-51471
- Rakity, P., Konigshofer, F.** Seeing red over the yellow book [UK network-independent transport service protocol] 1-47381
- Rakov, A.I.** Analysis of the duration of breakdowns in radio-relay link channels 1-47534
- Rakov, A.V.** *see* Bogachev, B.I. 1-41154
- Rakowsky, G.** NBS-SURF II: a small, versatile synchrotron light source 1-38339
- Rall, A.** *see* Kempenich, K. 1-48950
- Rallapalli, K.** *see* Maniar, M. 1-33481
- Ralph, S.E.** *see* Cofer, J.W. 1-41364
- Ralston, L.M.** *see* Weaver, S.E. 1-41166
- Ralston, R.W.** *see* Smythe, D.L. 1-32930, 1-40767
- Ram, G.V., Tyagi, M.S.** Transient analysis of lateral transistors for use in CHL circuits 1-32261
- Ram, G.V., Tyagi, M.S.** Effective recombination velocity at the  $\text{nn}^+$  interface 1-45987
- Ram Prakash, Jain, S.K., Singh, B.** Propagation characteristics of the equatorial VLF emissions 1-46870
- Rama Mohan, T.R.** *see* Takeda, Y. 1-50762
- Rama Rao, P.V.S.** *see* Maitra, A. 1-41235
- Ramachandra, K.V.** Estimation of optimum steady-state position, velocity and acceleration from the noisy sampled position data 1-33994
- Ramachandran, K.** *see* Ramamurthy, V. 1-35088
- Ramachandran, N.** Cost effective TPS development tools 1-38558
- Ramachandran, V.** *see* Ahmad, M.O. 1-50382
- Ramachandran, V.** *see* Ahmadi, M. 1-40086
- Ramachandran, V.** *see* Lam, J.W.K. 1-40136
- Ramachandran, V.** *see* Murthy, K.V.V. 1-26975, 1-45172

- Ramakrishna, J.** *see* Govind, S. 1-52351
- Ramakrishnan, G.N.** Education and training of the para-professionals: internal and external associate diploma courses in instrumentation, electrical and electronic engineering 1-26819
- Ramakrishnan, K.G.** *see* McKenna, J. 1-47264
- Ramakumar, R.** Renewable energy sources and rural development in developing countries 1-49212
- Ramakumar, R.** Wind energy and electric utilities—a perspective 1-53336
- Ramakumar, R., Bahrami, K.** Dispersed solar thermal generation employing parabolic dish-electric transport with field modulated generator systems 1-49362
- Ramakumar, R.** *see* Altaf-ur-Rahman 1-53392
- Ramalingam, K.P.** Efficient use of electricity in railways 1-53735
- Ramamoorthy, P.A.** Two-dimensional hexagonal digital recursive filters 1-40126
- Ramamoorthy, V.** Speech coding using modulo-PCM with side information 1-41582
- Ramamurthi, V., Ramachandram, K., Kodandaramaswamy, P.S.** Transient performance and control by hydraulic turbine-generator units 1-35088
- Ramamurthy, N.** *see* Wong, K.M. 1-29166
- Ramamurthy, V., Chaturvedi, P.K., Kakati, D.** Temperature rise in microwave p-i-n diodes: a computer aided analysis 1-36591
- Ramana, K.V.V.** *see* Kumar, U.V.G. 1-46871
- Ramanan, S., Kakati, D.** Numerical analysis of step junction p-n diode with different lifetime models 1-46101
- Ramanathan, R., Grigsby, L.L.** Novel approach to economic dispatch 1-53040
- Ramani, K.** *see* Govind, S. 1-52351
- Ramanujam, P.** *see* Narasimhan, M.S. 1-41385, 1-47016
- Ramanujam, S., Mohan, M.V.** A simple computer algorithm for the design of digital filters 1-27521
- Ramanujan, P.B.** *see* Gupta, B.C. 1-50186
- Ramaraj, N.** *see* Srikrishna, K. 1-38669, 1-38670
- Ramarao, V.** *see* Kekre, H.B. 1-44773
- Ramaswamy, M.P., Sastry, C.V.R.L., Tharakraj, M.** Boiler design for fuel economy 1-31009
- Ramaswamy, V.** *see* Jackel, J.L. 1-28514, 1-36939
- Ramat, P.** Oblique incidence propagation in the 11 and 14 GHz bands 1-33332
- Ramat, P.** *see* Gole, P. 1-28899
- Rambaldi, A.** *see* D'Agostini, G. 1-48577
- Ramendik, Z.A.** *see* Schchebolev, V.T. 1-34172
- Ramer, O.G., Nelson, C.C., Mohr, C.M.** Experimental integrated-optic circuit losses and fiber pigtailling of chips 1-36967
- Ramesh, R.** *see* Govind, S. 1-52351
- Ramey, D., Boyd, J.T.** Computer simulation of optical crosstalk in linear imaging arrays 1-34206
- Ramik, J.** Local convergence of the method of multipliers 1-31995
- Ramin, M.** *see* Tsien, P.H. 1-27929
- Ramirez, C.N.** *see* Habich, A.B. 1-27660
- Ramirez, J.J.** *see* Lockner, T.R. 1-48410
- Ramirez, R.** *see* Stinehelfer, J. 1-32291
- Ramm, A.G., Ramm, G.S.** Stability in the large and calculation of the stationary regimes in a feedback nonlinear system 1-45233
- Ramm, G.** DC inversion with CMOS gates 1-45260
- Ramm, G.** Voltage controller for accumulator power supplied devices 1-49167
- Ramm, G.S.** *see* Ramm, A.G. 1-45233
- Rammerstorfer, F.G., Fischer, D.F., Mitter, W., Bathe, K.J., Snyder, M.D.** On thermo-elastic-plastic analysis of heat-treatment processes including creep and phase changes 1-39659
- Rammo, I., Vabson, V., Khaller, Yu.** The dependence of axial mode wavelength separation of GaAs-GaAlAs heterolaser on cavity parameters 1-41099
- Ramnarayanan, A.S., Taylor, F.J.** On the structure of IIR filters using residue arithmetic 1-37605
- Ramos, F.G.** *see* Matysik, K.J. 1-53633
- Ramos, L.** *see* Esguevilas *see* Esguevilas Ramos, L.
- Ramovic, R.M., Tjapkin, D.A., Marinkovic, J.P.** A two-dimensional analysis of carriers' transport in the MOS structures 1-36621
- Rampey, F.** Techniques for incorporating measurement expansion capability into microcomputer-based instruments 1-34201
- Ramratan, J.P.** The design of a 900 MHz oscillator 1-36126
- Ramsahadeo, S.** *see* Marston, R. 1-38049, 1-38052, 1-40153, 1-41437, 1-42461, 1-50579
- Ramsay, A.** *see* Owen, D. 1-37760
- Ramsay, M.R.** Rapmots Productivity Budgeting System 1-49928
- Ramsdale, P.A., Crampton, P.W.** Low frequency performance of hemispherical coverage conical log-spiral antennas [satellite ground stations] 1-41371
- Ramshaw, R.S.** *see* Man, P.H. 1-49471
- Ramskov Hansen, F.** *see* Jacobsen, G. 1-51642
- Ramsmeyer, E.** *see* Royer, H. 1-34494
- Ramstad, T.A., Foss, O.** Subband coder design using recursive quadrature mirror filters 1-33589
- Ramstrom, E.** *see* Holmqvist, B. 1-52694
- Rana, I.E., Alexopoulos, N.G.** Current distribution and input impedance of printed dipoles 1-28981
- Rana, I.E.** *see* Alexopoulos, N.G. 1-28982
- Rana, V.V.S.** *see* Vella-Coleiro, G.P. 1-46395
- Ranade, S.J., Sullivan, R.L.** A reliability analysis technique for bulk system planning 1-43619
- Ranade, S.T.** *see* Mazur, G. 1-38732
- Rand, D.A.J.** *see* Barrett, D. 1-53752
- Rand, D.A.J., Power, G.P., Ritchie, I.M. (editor)** Progress in Electrochemistry. Proceedings of the Fifth Australian Electrochemistry Conference 1-49877
- Rand, R.E.** *see* Lyness, C.M. 1-48417
- Randall, C.M., Zittel, P.F., Darnton, L.A., Simmonds, F.S.** Evaluation of the Fabry-Perot etalon for spectral discrimination in IR surveillance 1-48797
- Randall, J.P., Perring, D., Nuth, V.R.** Broadband klystrons 1-32565
- Randin, V.N.** *see* Kiryukhin, V.I. 1-30911
- Randlett, R.W.** *see* Webb, R.W. 1-27590
- Randoli, H.** *see* Behrend, H.-J. 1-43229
- Randolph, M.** *see* Crochiere, R.E. 1-37472
- Randolph Franklin, W.** An exact hidden sphere algorithm that operates in linear time 1-44916
- Randoshkin, V.V.** *see* Martynov, A.F. 1-32970
- Randyopadhyay, A.K.** *see* Madhava, M.R. 1-50805
- Raney, R.K.** SAR processing of partially coherent phenomena [radar imaging] 1-30560
- Rang, T.** Computer aided examination of I<sup>2</sup>L structures 1-40038
- Rangacharyulu, M.A.V.** *see* Done, G.T.S. 1-35844
- Ranganath, H.S., Boland, J.S., Malcolm, W.W.** Comparison of thresholding techniques for TV-to-IR image registration 1-41835
- Ranganath, S.** *see* Jain, A.K. 1-41827, 1-47182
- Ranganath, T.R., Joseph, T.R., Lee, J.Y.** Integrated-optic spectrum analyzer: a first demonstration 1-42582
- Ranganath, T.R., Joseph, T.R., Lee, J.Y.** The integrated optic spectrum analyzer—a first demonstration 1-46567
- Rangarajan, L.M., Bhide, G.K.** Photoemission energy distribution studies of gold thin films under UV excitation by a photoelectron spectroscopic method 1-32543
- Rangarajan, L.M.** *see* Katti, V.R. 1-32541
- Rangarajan, N.** *see* Chockalingam, M.J. 1-44383
- Rangarajan, S.** Microprocessor based test equipment 1-52341
- Rangyuan Wu** *see* Wu Rangyuan
- Rani, S.** *see* Mehra, R.M. 1-40422
- Rank, E.X.** Radiation safety at a neutron generator 1-38537
- Ranken, W.A.** Experimental results for space nuclear power plant design 1-30516
- Rankin, M.B., Hail, N.J., Ferguson, G.D.** Pulse transmission mode (PTM) Nd:YAG laser for airborne hydrography 1-30556
- Rankin, P.J., Soin, R.S.** Efficient Monte Carlo yield prediction using control variates 1-45191
- Rannacher, R.** On finite element approximation of general boundary value problems in nonlinear elasticity 1-50268
- Ranney, M.A.** *see* Fujii, G. 1-34893
- Ransom, P.L., Gardner, C.S., Atkins, W.J., Jr.** Compensation of coherence effects in an optical spectrum analyzer 1-42566
- Ransom, R.D.** *see* Hollas, C.L. 1-43199
- Ransome, R.D., Hollas, C.L., Greene, S.J., Bonner, B.E., McNaughton, M.W., Morris, C.L., Thiessen, H.A.** A polarimeter for protons between 300 and 800 MeV 1-43200
- Rantala, E.** The electricity consumption of lifts in housing and factors influencing it 1-35457
- Ranzinger, E., Maier-Komor, P., Maier, H.J., Munzer, H.** Tests of specially treated carbon stripper foils under heavy ion bombardment 1-43130
- Rao, B.M., Rao, M.S., Rao, B.R.** Evidence for infrasound in the F-region associated with thunderstorm activity 1-51600
- Rao, B.M.L., Shropshire, J.A.** Effect of sulfur impurities on Li/TiS<sub>2</sub> cells 1-44321
- Rao, B.R.** *see* Rao, B.M. 1-51600
- Rao, B.S., Mohanavelu, K.S.** Technical characteristics and requirements of space operation services for the broadcasting-satellite systems in the 12 GHz band 1-42216
- Rao, B.V.P.** Subrahmanyeswara *see* Subrahmanyeswara Rao, B.V.P.
- Rao, B.V.S.** Subba *see* Subba Rao, B.V.S.
- Rao, C.** Radhakrishna *see* Radhakrishna Rao, C.
- Rao, D.P., Babu, S.V., Subba Rao, V.** Feasibility study of a large scale solar power generation system suitable for the arid and semi-arid zones 1-53317
- Rao, D.R.** *see* Murali, K.R. 1-27839
- Rao, D.V.** Bhaskar *see* Bhaskar Rao, D.V.
- Rao, E.B.** *see* Singh, D. 1-50625
- Rao, E.V.K.** *see* Duhamel, N. 1-50275
- Rao, G.R.** Mohan *see* Mohan Rao, G.R.
- Rao, G.Sridhara** *see* Sridhara Rao, G.
- Rao, H.S.** *see* Tennant, J.A. 1-39177
- Rao, K.H., Raju, S.B., Aggarwal, K., Mendiratta, R.G.** Effect of Cr impurity on the DC resistivity of Mn-Zn ferrites 1-40415
- Rao, K.Nagaraja** *see* Nagaraja Rao, K.
- Rao, K.R., Kamangar, F.A.** Hybrid coding of NTSC signals—channel error studies 1-33667
- Rao, K.R.** *see* Jalali, A. 1-38017, 1-41770
- Rao, K.R.** *see* Kamangar, F.A. 1-29111
- Rao, K.R.** *see* Lee, S. 1-47771, 1-52222
- Rao, K.** Radhakrishna *see* Radhakrishna Rao, K.
- Rao, K.Sudhakar** *see* Sudhakar Rao, K.
- Rao, K.S.** Prakasa *see* Prakasa Rao, K.S.
- Rao, L.V., Naidu, B.S., Reddy, P.J.** Electrical conductivity and thermopower measurements on silver doped tellurium films 1-45911
- Rao, M.K.N.** *see* Bruton, L.T. 1-45483
- Rao, M.S.** *see* Rao, B.M. 1-51600
- Rao, M.S.** Prakash *see* Prakash Rao, M.S.
- Rao, N.D.** *see* Tripathy, S.C. 1-48962
- Rao, N.R.M.** A unified analysis of the linear-domain dynamic behaviour of three-state switching converters 1-39905
- Rao, P.K.** *see* Dixit, P.S. 1-51599
- Rao, P.S.** Nagendra *see* Nagendra Rao, P.S.
- Rao, P.** Venkato *see* Venkato Rao, P.
- Rao, P.V.S.** *see* Paliwal, K.K. 1-29136, 1-37436
- Rao, P.V.S.** *see* Sreenivas, T.V. 1-47154
- Rao, P.V.S.** Rama *see* Rama Rao, P.V.S.
- Rao, S.** *see* Buckley, K.M. 1-37612
- Rao, S.** *see* Venkato Rao, P. 1-44109
- Rao, S.B.** *see* Naik, R. 1-27023
- Rao, S.C., Singh, S.** Statistical correlation method to predict peak demand 1-49017
- Rao, S.M.D.** *see* Reddy, P.V. 1-45938
- Rao, S.M.** Subba *see* Subba Rao, S.M.
- Rao, S.S.** *see* Dyson, T. 1-47194
- Rao, S.** Subba *see* Subba Rao, S.
- Rao, S.V.** Suryanarayana *see* Suryanarayana Rao, S.V.
- Rao, T.** Seshagiri *see* Seshagiri Rao, T.
- Rao, T.V.S.** Appa *see* Appa Rao, T.V.S.R.
- Rao, V.** Subba *see* Subba Rao, V.
- Rao, V.S.** Subba *see* Subba Rao, V.S.
- Rao, V.V.** *see* Prakash, S. 1-37621, 1-39724, 1-39729, 1-45073
- Rao, V.V.** Bapswara *see* Bapswara Rao, V.V.
- Rao, Y.V., Davis, A., Spencer, T., Filz, R.C.** Diameter evolution of proton tracks in CR-39 detector 1-30361
- Rao Kaza, B.** *see* Bhushan, S. 1-28570
- Raouf, M.A., Naem, A., Zaghloul, R., Abdul-Fattah, A.F., Obeid, M.A.** Multielement neutron activation analysis of an iron ore 1-38573
- Raouf, M.A., Raouf, S.A.** Timing coincidence studies with fast photomultipliers 1-48594
- Raouf, S.A.** *see* Raouf, M.A. 1-48594
- Raouf, N.** *see* Hey, P. 1-45898
- Raoul, J.C.** *see* Aleksan, R. 1-48582
- Rapa, A.C.** Surface migrating particulate contamination in clean rooms 1-26912
- Rapaport, M.S.** *see* Engler, G. 1-52661
- Raphael, H.** Building a CCITT 300 Baud modem 1-37797
- Raphael, H., Staten, J.** Modem modules create first-time designs that last 1-36154
- Rapier, J.L.** Clutter leakage approximations for staring mosaic sensors with simultaneous line of sight (LOS) drift and jitter 1-42553
- Rapin, D.** *see* Besset, D. 1-42776
- Rapin, M.** Five countries work together on the 1200 MWe fast breeder 1-43873
- Rapp, B.E.** *see* Grove, R.C. 1-41700
- Rappaport, S.** *see* Zehnpenfennig, T. 1-42547
- Rappaport, S.S., Bose, S.** Demand assigned multiple access systems using collision type request channels: stability and delay considerations 1-29459
- Rappaz, J.** *see* Mercier, B. 1-39701
- Raptis, A.C., Shuh-Haw Shen** Ultrasonic properties of coal slurries and flow measurements by cross correlation 1-43476
- Raschke, V.R.** Methods and examples for the design of switched-capacitor filters 1-27496
- Rasello, F.** *see* Milana, E. 1-39247
- Rashad, S.M.** *see* Shinaishin, M.A. 1-34995
- Rashkovskii, S.L.** Analysis of antennas located near the boundary between two media by the method of integral equations 1-37364
- Rashleigh, S.C.** Fiber-optic sensors with stable sensitivity 1-36955
- Rashleigh, S.C., Burns, W.K.** Alternating current operation of the dual-input fiber-optic gyroscope [use of Sagnac interferometer] 1-40945
- Rashleigh, S.C., Ulrich, R.** Polarized light propagation in single-mode fibers 1-36908
- Rashvand, H.F.** Effective minimum free distance for convolutional codes 1-41489
- Rashvand, H.F.** *see* Borelli, W.C. 1-33483
- Rasko, G.A.** Enclosure for electro-optical components 1-35654
- Rasmuson, D.M.** *see* Griffith, J.M. 1-39447
- Rasmussen, B., Peura, R.A., Wheeler, H., Cutler, B.S.** Measurement of internal carotid artery blood volume pulsations by noncontact ocular photoelectric plethysmography 1-48682

- Rasmussen, R.D. *see* Street, M.A. 1-42180  
 Rass, L.A. *see* Drazhbin, Yu.A. 1-37199  
 Rassmussen, G. *see* Hemrin, P. 1-47337, 1-47338  
 Rast, H. *see* Kurkjian, C.R. 1-36898  
 Rastaldo, A. *see* Omini, M. 1-45145  
 Rastislav, J. Analysis of gases dissolved in transformer oil 1-53508  
 Rastogi, A.C. *see* Salkalachen, S. 1-49702  
 Rastogi, R.G. Daytime radio wave scintillations in the equatorial electrojet regions 1-33344  
 Rasulov, D.T. *see* Azimov, S.A. 1-53617  
 Ratcliff, D. *see* Williams, E.R. 1-44832  
 Ratcliffe, F.W. *see* Hummels, D.R. 1-47085  
 Rateb, M. Mustafa *see* Mustafa Rateb, M.  
 Rath-Nagel, S. Replacement of oil and energy saving. The research and development strategy of the International Energy Authority 1-30855  
 Rathie, P.N. On some enumeration problems in graph theory 1-27024  
 Rathkey, P. Prospects for the semiconductor industry 1-32776  
 Rathmell, R.D. *see* Norton, G.A. 1-42847  
 Rathore, T.S. Comments on 'Realization of an all-pass transfer function using the second generation current conveyor' 1-27508  
 Ratkovic, J.A. *see* Conrow, E.H. 1-48784  
 Ratnakumar, K.N. *see* Meindl, J.D. 1-28125  
 Ratnam, V.V. *see* Jayaprakash, R. 1-41005  
 Ratner, A.S. A single receiver adaptive antenna system 1-41421  
 Ratner, L.G. *see* Bywater, J.A. 1-52644  
 Ratner, L.G. *see* Terwilliger, K.M. 1-42787  
 Ratnikov, V.V. *see* Malkiel, G.S. 1-30358  
 Ratnovskii, V.Ya., Kozhevnikov, E.S. Reducing errors involved in measuring temperature of rotating parts by means of thermistor with capacitive coupling device 1-38307  
 Rattner, S. *see* Bumbaugh, M. 1-45250  
 Ratts, M. Programmable control system FESTO-FRS 1-44546  
 Ratz, H.C., Van Scherrenburg, M. The distribution of incomes for professional engineers 1-35593  
 Ratzki, W. Optimising the frequency response of active filter circuits 1-36240  
 Rau, E.I. *see* Spivak, G.V. 1-32680  
 Rau, G. *see* von Essen, R. 1-52787  
 Rau, N.S. *see* Schenk, K.F. 1-49016  
 Rau, R.S.N. *see* Gervadis, P.P. 1-35271  
 Raubenheimer, B.C., Flugicker, E., Mischke, C.F.W., Potgieter, M.S. Comparison between the experimental and theoretical responses of neutron monitors 1-34487  
 Rauch, H. Present and future nuclear power systems 1-49222  
 Rauch, H. *see* Palacios, J. 1-45143  
 Rauch, H.E. Adaptive background suppression for real-time signal processing 1-41694  
 Rauch, H.E., Firschein, O. Track assembly from two-dimensional images of binary data 1-29791  
 Rauch, H.E., Firschein, O. Automatic track assembly for thresholded infrared images 1-41688  
 Rauch, H.E., Futterman, W.I., Kemmer, D.B. Background suppression and tracking with a staring mosaic sensor 1-33688  
 Rauch, H.E. *see* Firschein, O. 1-41713  
 Rauchas, A.V., Brumell, F.R., Cho, Y., Czyz, W.S. Beam position measurement system at the Argonne Rapid Cycling Synchrotron 1-42962  
 Rauchas, A.V., Brumwell, F.R., Cho, Y., Czyz, W.S., Gunderson, G.R., Knott, M.J., Sudeth, D.E., Volk, G.J. Betatron tune measurement at the Argonne Rapid Cycling Synchrotron 1-42959  
 Rauchas, A.V. *see* Cho, Y. 1-43031  
 Rauchas, A.V. *see* Potts, C.W. 1-43173  
 Rauchas, A.V. *see* Yanglai Cho 1-48380  
 Raudorf, T.W. *see* Darken, L.S., Jr. 1-34454  
 Raudorf, T.W. *see* Paulus, T.J. 1-34502  
 Raue, J.E. *see* Milnar, M.J. 1-45625  
 Raue, J.E. (editor) 1981 IEEE MTT-S International Microwave Symposium Digest 1-44603  
 Rauh, H., Kummel, R. Many-body enhancement of the valley splitting in Si-MOSFETs at finite temperatures: reexamination of the 2-dimensionality of the system and critical temperatures for the valley splitting 1-28029  
 Rauh, R.D. *see* Brummer, S.B. 1-44334  
 Rauh, R.D. *see* Micheels, R.H. 1-50890  
 Raulescu, I. Efficiency of electric power filters 1-27478  
 Raulin, J. *see* Bonnerot, G. 1-41905  
 Raupp, M. *see* Fremont, D. 1-39840  
 Rausch, R. *see* Altaber, J. 1-48318  
 Rauscher, B. *see* Moeller, M. 1-53679  
 Rauscher, C. Large-signal technique for designing single-frequency and voltage-controlled GaAs FET oscillators 1-27615  
 Rauscher, W. Microprocessor-controlled measuring instrument for the investigation of mains harmonics 1-30836  
 Rauser, A. Life decrease causes of the heating surfaces of the WLM-38 and WP-120 water boilers 1-35031  
 Rauser, A. *see* Dobosiewicz, J. 1-30997  
 Rautaharju, P.M., Okajima, M. Computerized electrocardiography: old problems and new challenges 1-43350  
 Rav-Noy, Z. *see* Hirshfeld, Z. 1-37227  
 Rav-Noy, Z. *see* Korn, U. 1-38191  
 Rava, P., Gatos, H.C., Lagowski, J. Correlation of oxygen concentration and activated oxygen donors in silicon crystals on a microscale 1-32602  
 Ravalitera, G. *see* Lesenne, J. 1-53461  
 Raveh, A. A numerical nonmetric approach for analyzing time series data 1-50136  
 Ravelet, S. *see* Michel, C. 1-46020  
 Raven, M.S., Belmekki, B. Growth and orientation of RF-sputtered polar compounds 1-50324  
 Ravenhall, F.W. Listen to it crack—an introduction to acoustic emission 1-32108  
 Ravenscroft, D.S. *see* Kulke, B. 1-48339  
 Ravetkar, R.M. *see* Choithramani, S.J. 1-30373  
 Raviart, P.A. *see* Brezzi, F. 1-35922  
 Raviart, P.A. *see* Mercier, B. 1-39701  
 Ravichandran, N. Analysis of a two-unit parallel redundant system with phase type failure and general repair 1-50052  
 Ravichandran, N. *see* Subramanian, R. 1-35674, 1-35685, 1-50051  
 Ravichandran, S. *see* Radhakrishna Rao, K. 1-40094  
 Ravindra, N.M. *see* Prasad, B. 1-44363  
 Ravindran, A. *see* Moskowitz, H. 1-39417  
 Ravinet, P., Guillou, D., Micheron, F. Dome-shaped electroacoustic transducers using thermally formed piezoelectric polymer membranes 1-47845  
 Ravinet, P., Hue, J., Volluet, G., Hartemann, P., Broussoux, D., Micheron, F. Acoustic and dielectric loss processes in PVF<sub>2</sub> 1-36719  
 Ravishanker, K., Bowonder, B. An analysis of energy consumption in India 1-53169  
 Ravn, H.L. *see* Bjornstad, T. 1-48551  
 Ravn, H.L. *see* Vosicki, B. 1-52655  
 Rawdin, E., Schwartz, J., Smilowitz, S. Multigun CRT color display 1-52403  
 Rawling, R.G. Engineering management and occupational health practice 1-49926  
 Rawlins, C.B. Analysis of conductor galloping field observations—single conductors 1-49136  
 Rawlins, T.G.R., Yrjonen, T., Veall, N. Microprocessor crosstalk correction in multiple-detector gamma counters 1-34549  
 Rawson, E.G., Goodman, J.W. Speckle in optical fibers 1-33056  
 Rawson, E.G., Goodman, J.W. Modal noise in multimode fibers: polarization effects 1-51211  
 Rawson, E.G. *see* Goodman, J.W. 1-46532  
 Ray, A. Nonlinear dynamic model of a solar steam generator 1-38933  
 Ray, A. *see* Das, A. 1-48042  
 Ray, A.K. Magnetic circuit design of saturated electrical machines by the finite element method 1-44041  
 Ray, L.M. *see* Parkash, V. 1-49439  
 Ray, S., Banerjee, R., Barua, A.K. The properties of bismuth-doped vacuum-evaporated CdS films 1-40414  
 Ray, S.K. *see* Biswas, B.N. 1-36343  
 Rayburn, S. *see* Zieschang, P. 1-52343  
 Rayer, F.G. LED indicating wavemeter for 1.5-190 MHz 1-30175  
 Raymond, A. *see* Averous, M. 1-27805  
 Raymond, F. *see* Verie, C. 1-27804  
 Raymond, L.S., Clark, D.R., Black, D.O., Hamilton, D.J., Kerwin, W.J. Passive components for high temperature operation 1-36414  
 Raynaud, Y. Superstable Banach spaces 1-44788  
 Raynaud, Y. Two new examples of stable Banach spaces 1-44790  
 Rayner, D. *see* Cowin, G.W. 1-41979  
 Rayner, D.L. *see* Melville, D. 1-28858  
 Raynund, M., Palusamy, S.S. J-integral for 3-D with center-cracked plate tests 1-39717  
 Raz, S. A direct profile inversion: beyond the Born model 1-41221  
 Razaz, M. *see* Schonfelder, J.L. 1-35875  
 Razdobarin, G.T. *see* Batishche, S.A. 1-33282, 1-46788  
 Razeghi, M., Hirtz, J.P., Hirtz, P., Larivain, J.P., Bondeau, R., de Cremoux, B., Duchemin, J.P. Room temperature CW operation of GaInAsP/InP double-heterostructure diode lasers emitting at 1.23  $\mu$ m grown by low-pressure metalorganic chemical vapour deposition 1-51451  
 Razeghi, M., Hirtz, P., Larivain, J.P., Blondeau, R., de Cremoux, B., Duchemin, J.P. 1.5  $\mu$ m room-temperature pulsed operation of GaInAsP/InP double heterostructure grown by LP MOCVD 1-51452  
 Razegui, M. *see* Hirtz, J.P. 1-50294  
 Razek Khozam, A.A. Multipath distortion in quadruphonic systems of broadcasting 1-37989  
 Razin, S.V. *see* Devyatkov, N.D. 1-45608  
 Razouk, R.R. *see* Poindexter, E.H. 1-36530  
 Razuvayev, E.A. *see* Mel'nikov, N.S. 1-30317  
 Razzak, G.A. *see* Blitz, J. 1-45142  
 Re, E. Del *see* Del Re, E.  
 Re, S. *see* Taylor, B.G. 1-34471  
 Re, V. Telematics—a future rich in promise 1-29272  
 Re, V. Time-adjustment of tariffs 1-30604  
 Re, V. Advanced research at CSELT 1-37892  
 Reabceev, A.S. *see* Alexeev, N.N. 1-48471  
 Read, C.B. *see* Fenton, P.J. 1-43748  
 Read, D.C. More on active crossover networks 1-29938  
 Read, J. *see* Winfrey, R.C. 1-40796  
 Read, M.E. *see* Arfin, B. 1-45860  
 Read, M.E. *see* Granatstein, V.L. 1-40352  
 Read, M.H. *see* Robinson, M.D. 1-36670  
 Readdie, J. *see* Teng, T.C. 1-51015  
 Reader, C., Hubble, L. Trends in image display systems 1-34213  
 Readinger, R.R. *see* Huttemann, R.D. 1-46291  
 Reagan, C.E. *see* Mingle, J.O. 1-26827  
 Reagan, D. *see* Nowak, J. 1-45856  
 Reagan, P. *see* Goodale, D.B. 1-31480  
 Reagor, B.T., Seibles, L. Structural analysis of deuterated and nondeuterated frictional polymers using Fourier transform infrared spectroscopy and pyrolysis gas chromatography/mass spectroscopy [electrical contact polymer deposits] 1-32466  
 Real, M. Generating electricity from solar energy in Switzerland 1-31449  
 Reali, M. Submarine hydro-electro-osmotic power plants for an efficient exploitation of salinity gradients 1-35094  
 Realp, E., Serra, M., Zubeldia, J.J. Data acquisition in a distribution system using the MV underground network as the transmission path 1-49090  
 Ream, G.L. *see* Abbott, T.D. 1-38169  
 Reardon, R.E. *see* Mahmoud, A.A. 1-43617  
 Rease, R.A. The application possibilities of voltage/frequency converter, type 4701 1-36304  
 Reason, C.J. *see* Ross, I.N. 1-51414  
 Reason, J. Squeeze the most out of power rates 1-30638  
 Reason, J. New economic incentives for in-plant generation 1-30639  
 Reason, J. Time-current curve: key to using low-voltage circuit breakers 1-31362  
 Reason, J. AC motor control 1-44049  
 Reaugh, J.E. *see* Gordon, J.T., Jr. 1-45018  
 Reay, J.R. *see* Ruckle, W.H. 1-50125  
 Rebaudo, M., Schiabel, A., Gruber, F. Barium getters in CRT mini-tubes 1-32580  
 Rebel, B. Fourier processor variants for real-time signal analysis 1-33620  
 Rebel, B. Possibilities for the detection of synchronisation errors and exchange errors in the binary data channel 1-41508  
 Reber, E.E. *see* Foote, F.B. 1-47996  
 Rebholz, J.J. *see* Tamura, P.N. 1-41812  
 Rebolledo, G., Gray, R.M. Vector quantization applied to speech coding 1-33560  
 Rebolledo, G. *see* Abut, H. 1-33598, 1-37440  
 Rehora, B. *see* Zimmermann, Th. 1-45014  
 Rechen, J. *see* Althaus, R. 1-43113  
 Rechen, J. *see* Gilbert, W.S. 1-48532  
 Rechen, J. *see* Taylor, C. 1-43114, 1-51112  
 Recktenwald, W. *see* Engelke, H. 1-27946  
 Reckziegel, W. Applications of the type A902D integrated circuit in TTL networks 1-32285  
 Reckziegel, W. A PROM implemented by means of diode arrays 1-36221  
 Recla, A. Note on the electronic oscilloscope 1-34325  
 Recorr, K. Unmarked ICs 1-32861  
 Recoupe, P. *see* Perret, J. 1-53122  
 Recski, A., Iri, M. Network theory and transversal matroids 1-27226  
 Recski Andras *see* Andras Recski  
 Redding, R.J. Contour plotting by a sonic PLL on an ultrasound carrier 1-38629  
 Reddoch, T.W. PURPA and associated technical issues 1-53050  
 Reddoch, T.W. *see* Robinson, H.J. 1-43676  
 Reddy, C.H., Rajan, P.K., Swamy, M.N.S., Reddy, C.P. Simplified testing procedure for very strict Hurwitz polynomials—some applications 1-37544  
 Reddy, C.P. *see* Reddy, C.H. 1-37544  
 Reddy, D. Raghurami *see* Raghurami Reddy, D.  
 Reddy, H.C., Karivaratha Rajan, P., Swamy, M.N.S. Design of two-dimensional digital filters using analog reference filters without second kind singularities 1-40122  
 Reddy, H.C. *see* Karivaratha Rajan, P. 1-45543  
 Reddy, J.N., Chao, W.C. Large-deflection and large-amplitude free vibrations of laminated composite-material plates 1-45050  
 Reddy, K.P.K. Combined AM and synchronous mode locking of CW dye laser 1-33203  
 Reddy, M.A. *see* Moni, R.S. 1-36245  
 Reddy, P.B. Performance comparison of a dry tuned gimbal two-degree-of-freedom gyro with laser gyros and gas bearing gyros in precision attitude determination systems 1-52878  
 Reddy, P.J. *see* Rao, L.V. 1-45911  
 Reddy, P.J. *see* Syamalamba, Y. 1-35971  
 Reddy, P.S. *see* Raghurami Reddy, D. 1-45541  
 Reddy, P.V., Seshagiri Rao, T., Rao, S.M.D. Electrical conductivity of manganese-magnesium ferrites 1-45938  
 Reddy, R.L. The use of the arc furnace in the manufacture of flat products 1-53809  
 Reddy, V.C.V. Pratapa *see* Pratapa Reddy, V.C.V.

- Reddy, V.U.,** Egardt, B., Kailath, T. Optimized lattice-form adaptive line enhancer for a sinusoidal signal in broad-band noise 1-37503
- Reddy, V.U.,** Nehorai, A. Response of adaptive line enhancer to a sinusoid in lowpass noise 1-41678
- Reddy Penumalli, B.** Process simulation in two dimensions 1-28086
- Rede, J.J.** Stable sinusoidal oscillator has multiple phased outputs 1-39965
- Redey, L.,** Vissers, D.R. Design and development of micro-reference electrodes for the lithium/metal-sulfide cell system 1-44338
- Redfield, D.** Selective observation of electrically active grain boundaries in silicon 1-31444
- Redfield, D.** Heavy-doping effects in silicon: the role of Auger processes 1-49699
- Redfield, D.** *see* Goldstein, B. 1-53615
- Redford, J.** *see* Brindle, J. 1-30208
- Redinbo, G.R.** On the design of mean-square error channel coding systems using cyclic codes 1-33545
- Redinbo, G.R.,** Hunnebeck, W.J. On the simulation of residue number systems 1-37624
- Red'kin, G.Ye.** *see* Vdovin, S.S. 1-40004
- Red'ko, V.P.** *see* Voltenkov, A.I. 1-28476
- Redkorechev, V.I.** *see* Gancev, R.A. 1-41147
- Redl, H.** *see* Janker, M. 1-49624
- Redl, R.,** Novak, I. Instabilities in current-mode controlled switching voltage regulators 1-50427
- Redl, R.,** Sokal, N.O. Push-pull current-fed multiple-output regulated wide-input-range DC/DC power converter with only one inductor and with 0 to 100% switch duty ratio: operation at duty ratio below 50% 1-53549
- Redlarski, K.** *see* Grono, A. 1-31208
- Redlarski, K.** *see* Grono, A. 1-31208
- Redman, G.M.** The 4-wire PBX—a mixed blessing 1-42067
- Redmon, J.R.,** Gentz, C.H. Effect of distribution automation and control on future system configuration 1-43661
- Redon, A.M.,** Vigneron, J., Heindl, R., Sella, C., Martin, C., Dalbera, J.P. Differences in the optical and photoelectrochemical behaviours of single-crystal and amorphous ferric oxide 1-31393
- Redondo, F.,** Gonzalez, J., Sandoval, F., Lopez, C. Very low Q-factor impedance measurements using a lock-in amplifier technique 1-34356
- Ree, C.** Maximising the benefits of warm-air space heating 1-53787
- Reeber, M.D.** *see* Frieser, R.G. 1-27904
- Reed, C.** Beneath the Barbican: the city's secret services 1-49944
- Reed, C.G.,** Kohn, J.M., Mercier, D. The range only correlation system 1-48804
- Reed, F.A.,** Feintuch, P.L. A comparison of LMS adaptive cancellers implemented in the frequency domain and the time domain 1-37508
- Reed, F.A.,** Feintuch, P.L., Bershad, N.J. Time delay estimation using the LMS adaptive filter—static behavior 1-41666
- Reed, F.A.** *see* Feintuch, P.L. 1-41667
- Reed, G.S.** *see* Chacon, C.C. 1-36079
- Reed, I.S.** *see* Kwoh, Y.S. 1-52763
- Reed, J.C.** *see* Bro, M.I. 1-32914
- Reed, J.S.** Splicer teams speed PBX relocation 1-37810
- Reed, K.W.** *see* Murakawa, H. 1-39678
- Reed, L.** *see* Franco, D. 1-46242
- Reed, M.H.** *see* Lee, D. 1-34613
- Reed, R.** *see* Ludwig, C.B. 1-42552
- Reed, R.E.** *see* Johnson, A. 1-34763
- Reed, R.E.** *see* Johnson, W.A. 1-30625
- Reed, R.W.** *see* Meeks, M.L. 1-46922
- Reed, W.A.** *see* Lin, C. 1-51528
- Reeder, J.,** Shinbrot, M. Three-dimensional, nonlinear wave interaction in water of constant depth 1-35909
- Reeder, T.M.** *see* Grudkowski, T.W. 1-36802
- Reeds, J.A.** *see* Butler, J.P. 1-45065
- Reedy, D.C.** *see* Gaudenzi, G.J. 1-36188
- Reedy, D.C.** *see* Johnson, R.E. 1-45379, 1-45380
- Reedy, E.K.** Millimeter radar fundamentals and applications. II 1-34006
- Reedy, R.E.** *see* Zeisse, C.R. 1-45928
- Reedy, R.P.,** Crawford, D.W., Roeske, F., Jr. Design and implementation of a fiber-optic gamma-measurement system 1-38465
- Reekie, H.M.** *see* Arthur, J.W. 1-45443
- Reekie, H.M.** *see* Mavor, J. 1-32345, 1-40142
- Rees, B.** *see* Van Rees, B.
- Rees, D.W.** *see* Lonsky, P. 1-44143
- Rees, G.H.** Features of the beam dynamics for the SNS synchrotron 1-42903
- Rees, G.H.** Possible use of the SNS synchrotron for feasibility tests on aspects of heavy ion fusion drivers 1-48462
- Rees, G.J.,** Socha, J.B. Ballistic electron transport in a transverse magnetic field 1-40445
- Rees, G.J.** *see* Goodfellow, R.C. 1-33152
- Rees, G.J.** (editor) Semi-Insulating III-V Materials 1-26778
- Rees, G.R.** *see* Binns, K.J. 1-53453
- Rees, H.D.** *see* Mazzone, A.M. 1-45638
- Rees, J.R.** The PEP storage ring—current states 1-42884
- Rees, J.R.** *see* Olson, C.W. 1-42948
- Rees, W.D.** Static hazards during the top loading of road tankers with highly insulating liquids: flow rate limitation proposals to minimize risk 1-44656
- Rees, W.D.** *see* Mason, P.I. 1-35610
- Reese, E.A.,** Spaderna, D.W., Flannagan, S.T., Tsang, F. A 4K×8 dynamic RAM with self refresh 1-32309
- Reese, G.** A fast DC-to-DC converter 1-53529
- Reese, J.T.** *see* McElroy, A.J. 1-30848
- Reese, M.T.** Advantages of pitchless aluminum electrolytic capacitors 1-50643
- Reese Brown, J.** Applications of 64k dynamic RAMs 1-40029
- Reeve, G.,** Wainwright, A. A frequency tracking, tuned, receiving monopole [antennas] 1-51723
- Reeve, M.H.** Optical fibre cables 1-47686
- Reeve, M.H.** *see* Kashyap, R. 1-40952
- Reeve, P.** *see* Hargrove, C.K. 1-43237
- Reeves, A.P.** Computer architectures for image processing in the USA 1-47216
- Reeves, C.M.** An overview of trunking techniques in mobile radio systems 1-29661
- Reeves, G.J.** Will the switch of the future be hard gas, vacuum or SF<sub>6</sub>? 1-35265
- Reeves, G.K.** Fabrication and performance of a Gunn effect digital device 1-40533
- Reeves, H.S.V.,** Hemsworth, A.D., Sheppard, D. Design and field trial of a 140 Mbit/s coaxial line system 1-42147
- Reeves, J.H.** The location of partial discharge sites in HV switchgear and short cables by a travelling wave method 1-49638
- Refai, T.F.,** Peters, R.A., Wolf, S.A., Rachford, F.J. Fluctuations and the return to the superconducting state in granular microbridges 1-28330
- Refermat, S.** *see* Bunkenberg, J. 1-51410
- Reffle, J.,** Duschl, M., Hoffmann, H., Friedlaender, F.J. Critical capture radius in single wire HGMS 1-28861
- Reffle, J.** *see* Hoffmann, H. 1-28862
- Refi, J.J.** Mean power sum far-end crosstalk of PIC cables as a function of average twist helix angle 1-32441
- Refioglu, I.** Monolithic tone decoder chips. I 1-47830
- Refioglu, I.** Monolithic tone decoder chips. II 1-52283
- Refsnaes, S.** Power lines are rotting 1-49134
- Regan, J.H.** *see* Hall, G. 1-48992
- Rege, K.** *see* Gaarder, N.T. 1-32007
- Regehr, J.L.** Alterable-patch circuits for read-only storage 1-36207
- Regehr, J.L.,** Stratton, C.C. Patch circuits for read-only storage 1-36206
- Regeni, P.** *see* Adam, A. 1-48839
- Regensburg, P.C.** *see* Bleeker, J. 1-52513
- Reges, H.** *see* Laube, P. 1-49337
- Reggiani, U.,** Tassoni, C. State-variable stability analysis of an induction machine driven by voltage or current sources 1-53427
- Regh, J.** *see* Baran, A.S. 1-28111
- Reginato, L.L.,** Branim, D., Cook, E., Denhoy, W., Fong, C., Kippenhan, D., Moor, E., Newton, M., Pollard, W., Rogers, D., Hibbs, S., Schmidt, J., Smith, M., Weiss, W., White, J. Advanced Test Accelerator (ATA) pulse power technology development 1-43061
- Reginato, L.L.** *see* Fessenden, T.J. 1-48557
- Regis, A.** *see* Gargiuli, R. 1-49089
- Regnault, D.,** Leclerc, J., de Salaberry, B., Pradoux, J. Evaluation of the 'SEXTAN' hybrid lasergyro navigation system 1-52164
- Regnault, J.C.** *see* Faktor, M.M. 1-45971
- Rego Cruz, J.,** Simpson, R.S. Performance of a specialized bandlimited baseband system in the presence of Gaussian and impulsive noise 1-29040
- Rehak, M.,** Kriedt, H. Quasi-parallel audio channel for television sound without interference 1-34067
- Rehak, M.** *see* Veith, R. 1-50543
- Rehak, P.** *see* Boic, R.A. 1-34437, 1-34507
- Rehak, P.** *see* Oba, K. 1-32587, 1-32589
- Rehm, K.E.** *see* Wagner, W. 1-43127
- Rehm, R.G.** *see* Lewis, J.G. 1-39697
- Rehman, M.,** Ahmed, M.T. An active frequency meter 1-48141
- Rehman, M.,** Murti, V.G.K. New capacitive micro-manometer 1-48025
- Rehman, M.,** Murti, V.G.K. A sensitive and linear pressure transducer 1-48049
- Rehn, I.M.** Corrosion problems in coal-fired boiler superheater and reheater tubes: Steam-side oxidation and exfoliation. Development of a chromate-conversion treatment 1-53280
- Rehrmann, J.** Inductance measuring unit 1-48136
- Reiber, K.** *see* Kyser, K. 1-43305
- Reibert, I.** IDA: A local digital information system for communication and data exchange in a German broadcasting station 1-29480
- Reible, G.A.** *see* Ambrico, L.E. 1-38245
- Reible, S.A.** Acoustoelectric convolver technology for spread-spectrum communications 1-37487
- Reible, S.A.,** Yao, I. An acoustoelectric burst-waveform processor 1-36758
- Reich, J.,** Knochel, R., Schunemann, K. Multiple-device oscillators in waveguide below-cutoff technique 1-27609
- Reich, K.H.** *see* Capri, R. 1-42977
- Reich, K.H.** *see* Delahaye, J.P. 1-48458
- Reichard, G.W., Jr.** *see* Beard, H.M., Jr. 1-40288
- Reichardt, J.** *see* Burkhardt, H. 1-43210
- Reiche, H.** The optimum rating of the electric machines under the point of view of the material and energy economy 1-38939
- Reiche, H.** *see* Kalina, H. 1-39433
- Reiche, R.** Development of a rational information system using electronic data processing to be employed as an operational and technological method in radiocommunications 1-33926
- Reichelt, K.** *see* Crucius, M. 1-49184
- Reichert, J.** *see* Paydl, R. 1-29380
- Reichert, K.** System engineering and the electric machine 1-44032
- Reichert, P.,** Pfahl, R. Single-beam oscilloscope type EO 211 1-38236
- Reichert, T.** *see* Meier-Hirmer, R. 1-28301
- Reichl, A.** *see* Culetto, F. 1-30859
- Reichl, A.** *see* Neumann, G. 1-30858
- Reichman, B.,** Bard, A.J. The application of Nb<sub>2</sub>O<sub>5</sub> as a cathode in nonaqueous lithium cells 1-31402
- Reichman, J.** Collection efficiency of low-mobility solar cells 1-35351
- Reichman, J.** Safety aspects of live-line work methods 1-43737
- Reichmann, K.** *see* Althoff, K.H. 1-42878
- Reichner, P.** Pressure-wear theory for sliding electrical contacts 1-32461
- Reichner, P.** Brush contact on eccentric slip rings 1-35118
- Reichner, P.** High current tests of metal fiber brushes 1-35186
- Reichwald, R.** Office communication with teletex services 1-37724
- Reid, D.C.J.,** Stewart, W.J. Ultrahigh resolution refractive near-field profiling 1-36917
- Reid, D.P.** Telephone central office power system availability 1-43591
- Reid, D.W.,** Riggins, D., Fazio, M.V., Biddle, R.S., Patton, R.D., Jackson, H.A. A 360° digital phase detector with 100-kHz bandwidth 1-42909
- Reid, D.W.** *see* Fazio, M.V. 1-48343
- Reid, G.M.** *see* White, T.A. 1-47763
- Reid, J.** *see* Kerns, Q. 1-43070
- Reid, J.** *see* Znotins, T.A. 1-46697, 1-51330
- Reid, J.G.** *see* Kendrick, J.D. 1-34654
- Reid, J.K.** *see* Parlett, B.N. 1-39672
- Reid, J.M.** *see* Nowicki, A. 1-30427
- Reid, J.R.C.** *see* McDowell, P. 1-40107
- Reid, M.A.,** Thaller, L.H. Improvement and scale-up of the NASA redox storage system 1-31416
- Reid, N.** *see* Lagakos, S.W. 1-35744
- Reid, R.,** Scaturro, A.J., Wilkes, R.B. Experience with field testing of Consolidated Edison 49th Street 345 kV gas insulated substation 1-44276
- Reid, R.D.** *see* Wang, S.C. 1-51385
- Reid, R.D.** *see* Welty, R.K. 1-30936
- Reif, R.,** Dutton, R.W. Computer simulation in silicon epitaxy 1-39770
- Reif, R.,** Knott, J.E. Low-temperature process to increase the grain size in polysilicon films 1-50753
- Reifenhauser, R.** Working experiences with combined treatment in the IAW power station Irsching 1-31014
- Reijnders, H.B.** Development and production of large wind turbines 1-49382
- Reiland, T.W.** Lagrangian duality for a class of infinite programming problems 1-35856
- Reiland, T.W.,** Hanson, M.A. A class of continuous nonlinear programming problems with time-delayed constraints 1-31999
- Reilly, A.K.** *see* Graczyk, J.F. 1-29590
- Reilly, E.L.** *see* Ktonas, P.Y. 1-48711
- Reilly, J.P.** Laser systems: concepts and applications 1-33169
- Reilly, J.P.,** Cwiklewski, M. Rain gutters near high-voltage power lines: a study of electric field induction 1-38778
- Reilly, J.P.,** Cwiklewski, M. Rain gutters near high voltage power lines: a study of electric field induction 1-43727
- Reilly, P.L.** Woolloongabba—a computer controlled telephone exchange 1-42048
- Reilly, R.A.** Integrated avionics studies target future technologies 1-34666
- Reilly, R.A.,** Ward, C.R. The influence of technological advances on integrated CNI avionics 1-30514
- Reilly, R.A.** *see* Ward, C.R. 1-52898
- Reilly, R.W.** The economics of compressed air energy storage with thermal energy storage 1-31492
- Reilly, W.J.** Finding London's trouble spots [telephone networks] 1-41893
- Reiman, A.** Computer-aided closure of the Lie algebra associated with a nonlinear partial differential equation 1-45053

- Reiman, S.I., Mitrofanov, K.P. Laser velocity calibrator for a nuclear gamma-resonance spectrometer 1-30376
- Reimann, K.J. *see* Kupperman, D.S. 1-50349
- Reimann, R. *see* Dehmelt, S. 1-36220
- Reimer, J.A. *see* Knights, J.C. 1-32075
- Reimers, E. Power transfer in DC chopper motor drive 1-44407
- Reimers, R. *see* Lambertson, G.R. 1-42997
- Reimers, U. Semiconductors versus tubes [TV cameras] 1-42410
- Reindl, P. *see* Muller, J. 1-39414
- Reine, M.B. *see* Mroczkowski, J.A. 1-33101
- Reine, M.B. *see* Polla, D.L. 1-41016
- Reiner, E., Weber, G. The application of thick-film technology to miniaturized light-barriers 1-48079
- Reiner, H. Reliability problems with VLSI 1-28070
- Reinert, W. *see* Vowinkel, B. 1-42620
- Reinhard, D.K., Gift, D.A., Harris, G.I. Limitations of tissue differentiation by spectral measures of backscattered ultrasound 1-43318
- Reinhard, S. *see* De Mesmaeker, I. 1-38804
- Reinhart, E.E. The impact of the 1979 World Administrative Radio Conference on the fixed-satellite, inter-satellite, and mobile-satellite services 1-52203
- Reinhart, E.E., Keane, L.M., Martin, E.R., Whitworth, J.E., Hupe, H.H., Gould, R.G. The impact of WARC-79 on the broadcasting-satellite service 1-52204
- Reinhartz, K.K. *see* Stoewer, H. 1-31459
- Reinhold, G., Meinel, H. Applications of millimeter waves in railway systems 1-47555
- Reinhold, H. Xenon short-arc lamps in projectors—a review [cinematography] 1-35490
- Reininghaus, U. A testing device for investigation of contact materials for vacuum interrupters 1-44265
- Reinis, G., Goffe, W., Lysy, D. Low voltage electrographic printing 1-46845
- Reinold, G.A. *see* Francis, S.H. 1-47516
- Reinstein, L.E., Orton, C.G. 'Horns' on a 6 MeV linear accelerator 1-34634
- Reintjes, J., Christensen, R., Tankersley, L.L. Generation of 61.6-nm radiation by fifth harmonic conversion of XeCl laser radiation 1-46800
- Reiplinger, E., Schmeiser, B. Sound power level and tank wall stressing of magnetically shielded single-phase compensation reactors with high power 1-39029
- Reiplinger, E. *see* Foster, S.L. 1-31291
- Reisenfeld, S., Yao, K. On a tight error probability bound for a quantized detector 1-37577
- Reiser, M. Current limits in linear accelerators 1-42837
- Reiser, M. Recent advances in collective ion accelerators 1-48296
- Reiser, M. *see* Destler, W.W. 1-48409
- Reiser, M. *see* Namkung, W. 1-43206
- Reisinger, A.R., Morris, H.B., Lawley, K.L. Alternative to ellipsometry for characterizing transparent planar thin films 1-34377
- Reisinger, W.E. *see* Libutti, B.L. 1-49270
- Reisman, D.J. Organizational linking of office information systems through telecommunications 1-37780
- Reiss, E.M., Glicksman, R. Hermetic chip carrier packaging 1-40665
- Reiss, M.H., Solomon, E.E. Detecting smoke in telecom facilities 1-48070
- Reiss, R.-D. Nonparametric estimation of smooth distribution functions 1-50175
- Reisse, G., Schurer, C., Ebersbach, U., Bewilogua, K., Breuer, K., Erler, H.J., Weissmantel, C. Preparation and analysis of i-carbon films 1-35973
- Reissland, M.-U. A seismic membrane crash sensor for measuring accident-caused deceleration in automobiles 1-53755
- Reistad, D. *see* Brahma, A. 1-38523
- Reister, D.B., Devine, W.D., Jr. Total costs of energy services 1-34975
- Reitan, D.K. *see* Geisler, K.I. 1-38672
- Reiter, W.L., Stengl, G. A blue light emitting diode used as a reference element in scintillation spectrometers 1-30379
- Reith, T.M. *see* Howard, J.K. 1-27964
- Reitman, W.R. *see* Payton, G.L. 1-42626
- Reitmeier, G.A. Spatial compression and expansion of digital television images 1-42414
- Reitmeier, G.A. *see* Strolle, C.H. 1-45875
- Reitmeyer, R., Jr. CAD for military systems, an essential link to LSI, VLSI and VHSIC technology 1-46236
- Reits, D., Spekrijse, H. Sequential analysis of a lumped nonlinear system; a model for visual evoked brain potentials 1-34629
- Rekant, N.B., Aparisi, R.R., Kokhova, I.I. Investigation of optical characteristics of individual reflector for Solar Power Plant (SPP) 1-49352
- Reksten, G., Varghese, T., Bradley, D.J. Picosecond injection mode-locking of the XeCl laser 1-28618
- Reksten, G., Varghese, T., Margulis, W. Active mode locking of a XeCl laser 1-51325
- Reljin, B.D., Reljin, I.S. Narrow-band active RC filter with continuously variable central frequency 1-45494
- Reljin, I.S. *see* Reljin, B.D. 1-45494
- Rembold, B. *see* Adelseck, B. 1-36323
- Rembowski, J. Choice of rule admitting entrance of packets into computer network 1-29437
- Remde, J.R. *see* Atal, B.S. 1-41555
- Remenyi, K. *see* Kempf, R. 1-31681
- Remenyuk, A.D. *see* Berman, L.S. 1-32110
- Remery, F.J. Water turbines and (reversible) pump turbines 1-49322
- Remmer, W. *see* Baribaud, G. 1-42939
- Rempel, S. *see* Booss, B. 1-44789
- Remsbottom, R.H. *see* Fowler, W.B. 1-28392
- Remskar, M. Thermoplastic materials for connectors in telecommunications 1-36389
- Ren, C.-L. *see* Plourde, J.K. 1-45603
- Ren Wen-Bin On the second kind ripple of a high voltage cascade including those originated from asymmetric component elements of the symmetric type 1-34409
- Ren-Ben Shu *see* Shu Ren-Ben
- Ren-Huai Chen *see* Chen Ren-Huai
- Ren-xiang Lu *see* Lu Ren-xiang
- Ren-Zhi Dai *see* Dai Ren-Zhi
- Renard, M. *see* Thompson, D.J. 1-48292
- Renardy, J. *see* Ludlam, T. 1-34446
- Rendell, R.W., Girvin, S.M. Hall voltage dependence on inversion-layer geometry in the quantum Hall-effect regime 1-46024
- Reneman, R.S. *see* Hoeks, A.P.G. 1-43301
- Renfordt, R.E., Noll, H., Sapotta, K. Large area position-sensitive channel-plate detector system and  $\Delta E$ -E ionization chamber for a time-of-flight spectrometer 1-48589
- Renfors, M., Nuervo, Y. The maximum sampling rate of digital filters under hardware speed constraints 1-27524
- Rengarajan, S.R., Lewis, J.E. Single-mode propagation in multi-layer elliptical fiber waveguides 1-51197
- Renieri, A. *see* Dattoli, G. 1-28608, 1-41038, 1-46660, 1-51304
- Renker, W. *see* Habekotte, E. 1-39900, 1-46320
- Renneboog, J. *see* van Biessen, L. 1-49198
- Renner, D. *see* Busse, W. 1-43134
- Renner, K.W., Bedwell, M.O., Pierce, J.F. A wide-band direct coupled amplifier utilizing a fast/slow loop concept 1-34504
- Rennie, J. Disco light sequencer 1-36301
- Renninger, R.G., Mazumder, M.K., Testerman, M.K. Particle sizing by electrical single particle aerodynamic relaxation time analyzer 1-30265
- Renschen, C. Micro-optical modules 1-47680
- Renschke, J. Circuit design with semi-customized ICs 1-32844
- Renshaw, R.L. *see* Tole, J.R. 1-34561
- Rentmeister, M. Comparison between asynchronous and synchronous linear motors of short stator construction 1-49501
- Renton, M. Fault handling in the signalling interworking subsystem of a System X main exchange 1-42117
- Rentschler, J.A. *see* Coldren, L.A. 1-28741
- Rent'schler, J.A. *see* Furuya, K. 1-51215
- Renxiang Lu *see* Lu Renxiang
- Renzi, U. Miniature contact pin 1-45746
- Renzis, G. *de de* Renzis, G.
- Repenko, E.V., Stukov, O.I. Possibility of using fiber light guides as a radiator of Cherenkov radiation 1-30330
- Repeta, L. *see* Brown, H. 1-48364
- Repeta, L. *see* Thompson, P. 1-43118
- Repetto, A. *see* Giuffrida, M. 1-53321
- Repin, P.B. *see* Bosamykin, V.S. 1-32534
- Repko, M. Modern standards 1-39990
- Repnov, R. *see* Huck, B. 1-38331, 1-43131, 1-48438
- Reppen, N.D. *see* Pang, C.K. 1-53024, 1-53025, 1-53026
- Repse, A. Reliability of consumer goods 1-39438
- Requejo, R. *see* Perez Ferreira, E. 1-42853
- Rerat, G. *see* Baudry, A. 1-42366
- Resch, G. *see* Bursik, A. 1-53232
- Resegotti, L. *see* Billan, J. 1-48530
- Reshetnikov, O.M. Thermal noise generator of the waveguide-coaxial type [using fine wire bolometer] 1-30252
- Reshetnikova, E.M. *see* Nagaenko, M.G. 1-48455
- Reshetov, L.A. Angular measurements in an adaptive antenna discriminator 1-45341
- Resmini, F. *see* Acerbi, E. 1-42896
- Resmini, F.G., Bellomo, G., Blosser, H.G., Fabrici, E., Johnson, D. Final design of the magnetic field for the K-800 superconducting cyclotron at MSU 1-43058
- Resmini, F.G. *see* Bellomo, G. 1-34408, 1-34410
- Resmini, F.G. *see* Fabrici, E. 1-34411, 1-38345
- Ressmeyer, J.J. *see* Jones, L.T. 1-42652
- Rest, W. *see* Pfeifer, T. 1-34374
- Resutef, J.L., Cote, R.E. Infrared firing of thick film compositions 1-45816
- Retif, J.M. *see* Masson, J.P. 1-48237
- Retotar, D.D. *see* Andersen, B.E. 1-53538
- Retter, G., Silva Miranda, F. Starting conditions of induction motors with Steinmetz connection 1-38975
- Rettich, J., Cronimund, H.F. Measuring technique on a turbocompressor test bed 1-29991
- Rettich, J., Cronimund, H.F. Measuring technique on a turbocompressor test bed 1-38088
- Reuhkala, E. *see* Kohonen, T. 1-29143
- Reuhkala, E. *see* Riittinen, H. 1-41592
- Reuter, W., Wachter, H. SITAKT—a new generation of weld time controls for resistance welding 1-31730
- Reuter, W. *see* Small, M.B. 1-39768
- Revankar, G.N., Bashir, A., Havnur, S.S. Stepped wave current source inverter 1-49567
- Revankar, G.N. *see* Bhagwat, R.T. 1-49455
- Revankar, G.N. *see* Sriraghavan, S.M. 1-35250, 1-45311
- Revelli, J.F. Enhancement of prism coupling efficiency in uniform optical waveguides: A correction 1-51172
- Reverri, G. *see* Spencer, C. 1-28394
- Revitz, M. *see* Bartholomew, R.F. 1-50880, 1-51023
- Revcatova, I.P. *see* Maximovsky, S.N. 1-35948
- Rexroth, G.W., Trautwein, W. SINAUT 2-FW—a frequency multiplex telecontrol system 1-37720
- Reyer, S.E. Manipulation of multidimensional polynomials 1-51821
- Reyer, S.E., Heinen, J.A. Quantization noise analysis of a general digital filter 1-47188
- Reyes, E. De Los *see* De Los Reyes, E.
- Reyes, W., St. Peter, E., Bolger, G., Sie, C. Factors influencing thin gold performance for separable connectors 1-45756
- Reyes, W. *see* Currence, R. 1-32486
- Reyes de Los *see* de Los Reyes
- Reyling, G., Jr. *see* Bury, L. 1-32981
- Reyn, T. Von *see* Von Reyn, T.
- Reynieri, J.M., Hellman, M.E. On factoring and random graphs 1-33514
- Reynolds, C.L., Jr. *see* Gaw, C.A. 1-33228
- Reynolds, D.J. *see* Kaiser, W.D. 1-49767
- Reynolds, F.H., Johnston, C. Component field-failure data analysis 1-44766
- Reynolds, J., McCabe, T. NAVSTAR Global Positioning Systems 1-29817
- Reynolds, J.F. Queues and decision theory 1-44812
- Reynolds, L. *see* Ayasli, Y. 1-36342
- Reynolds, M.J., Summa, W.J. Backfill system for PCB rework 1-45789
- Reynolds, M.J. *see* Bernardo, E.T. 1-32507
- Reynolds, M.R., Yanizeski, G.M., McIntyre, R.N. Solution to core growth in connectorized cable 1-32434
- Reynolds, P.H. The coordination of engineering development between component companies of a multi-national corporation 1-31820
- Reynolds, T.G. *see* Wang, F.F.Y. 1-46399
- Reza, F.M. Generation of inductive and capacitive accretive operators 1-36050
- Reza, F.M. A global energy theorem for linear systems 1-50381
- Rezin, M.G. *see* Veinger, M.I. 1-35444
- Reziuc, O. *see* Sfichi, R. 1-49851
- Reznik, I.I. *see* Prosvirnin, S.L. 1-37302
- Reznik, V.B. *see* Padalko, G.A. 1-38485
- Reznikov, I.B. *see* Vetokhin, S.S. 1-48115
- Reznikov, I.G. *see* Fokin, Yu.A. 1-30685
- Reznikov, M.A. *see* Kravtsov, A.E. 1-37019
- Reznikov, V.A. *see* Kashnikov, G.N. 1-28655
- Rezzoug, A. *see* Song Yop Hahn 1-53376
- Rheaume, R.H. *see* Dickinson, T. 1-48367
- Rhee, L.A. Van *see* Van Rhee, L.A.
- Rhee, M.J. Fully stripped ion beams produced by pulse powered plasma focus device 1-43179
- Rheinboldt, W.C. Numerical analysis of continuation methods for nonlinear structural problems 1-39638
- Rhoads, T. *see* Forster, R. 1-42976
- Rhoads, C.M. *see* Moffatt, D.L. 1-41202
- Rhoderick, E.H. *see* En-land, A.A. 1-36526
- Rhodes, A.J. *see* Turner, D.P. 1-45108
- Rhodes, C.K. High spectral brightness XUV generation and applications 1-46797
- Rhodes, C.K. *see* Egger, H. 1-46672
- Rhodes, J.C., Jr. *see* Benedict, Q.L. 1-36076
- Rhodes, J.D., Thornton, M.J. Contiguous broadband matching of multiple resonant loads 1-45221
- Rhodes, R.R., Hutchinson, W.K., Hutchinson, B.H., Jr. Frequency agile phase-locked loop synthesizer for a communications satellite 1-29698
- Rhodes, S.A. FSOQ, a new modulation technique that yields a constant envelope 1-29076
- Rhodes, S.A., Lebowitz, S.H. Performance of coded DPSK for TDMA satellite communications 1-47609
- Rhodes, W.T. Contrast in time-integration optical processing 1-29224
- Rhyne, T., Noe, P., Painter, J. Evaluating GPS performance in the marine environment 1-29822
- Rhys Davies, E. *see* Jackson, P.C. 1-43304
- Ri-rong Zhang *see* Zhang Ri-rong
- riad, A.A. *see* Stephenson, F.W. 1-40336
- Riad, A.A.R., Stephenson, F.W. Thick film capacitor value 1-40327
- Riad, A.A.R. *see* Salvage, S.T. 1-40214
- Riad, M.S. *see* Nawara, G.M. 1-44543

- Riad, S.M. *see* Salvage, S.T. 1-40214
- Riant, Y. *see* Lyszyk, M. 1-33243
- Riazi, A. *see* Schow, F.L. 1-37206, 1-51524
- Ribak, E. *see* Weiser, K. 1-46609
- Ribarich, R. *see* Perez Ferreira, E. 1-42853
- Ribbens-Pavella, M. *see* van Cutsem, T. 1-49044
- Ribeiro, C.A. *see* Brosson, P. 1-37116, 1-46752
- Ribeiro, R. *see* Fernandes, J. 1-44951
- Riblet, G.P. A broad band stripline or coaxial 'resolver' for the accurate measurement of complex reflection coefficients using the six-port measurement concept 1-48030
- Riblet, G.P., Hansson, E.R.B. The use of a matched symmetrical five-port junction to make six-port measurements 1-48029
- Riblet, H.J. Two limiting values of the capacitance of symmetrical rectangular coaxial strip transmission line 1-37337
- Ribot, P. *see* St. Louis, J. 1-44715
- Ricardi, L.J. Some characteristics of multiple beam antennas: a review 1-41360
- Ricca, A.M. *see* Asdente, M. 1-28296
- Ricci, R.A. On the 16 MV XTU tandem of the Laboratori Nazionali di Legnaro 1-42839
- Ricciardi, J. *see* de Cremoux, B. 1-50791
- Riccius, H.D., Smith, D.S. Electron tunnelling and polarity reversal of tungsten-nickel point-contact diodes 1-27885
- Rice, D., Adams, K., Billing, M., Blum, E., Littauer, R., McDaniel, B., Meller, R., Morse, D., Peck, S., Peggs, S., Seeman, J., Siemann, R., Talman, R., Tigner, M., vonBorstel, E. Single bunch current dependent phenomena in CESR 1-42989
- Rice, D. *see* Billing, M. 1-42862
- Rice, D. *see* Seeman, J. 1-43023
- Rice, D. *see* Sundelin, R. 1-43084
- Rice, L.G., III *see* Smith, G.W. 1-38540
- Rice, M.J., Jr., Sarma, K.R. Interaction of CVD silicon with molybdenum substrates 1-45905
- Rice, Q. Transient suppression for public address systems 1-32204
- Rice, Q. Joystick pointer for video systems 1-34084
- Rice, Q. Collector driven regulators 1-39906
- Rice, Q. Low frequency meter with linear readout 1-48124
- Rice, R. VLSI packaging environment 1-28077
- Rice, R. *see* Owen, C.W. 1-48346
- Rice, R.F., Schlusmeyer, A.P. Data compression for National Oceanic and Atmospheric Administration (NOAA) weather satellite systems 1-38588
- Rice, R.R. *see* Allen, L.B., Jr. 1-28724
- Rice, R.R. *see* Chubb, C.R. 1-28725
- Rice, R.R. *see* Sizer, T., II 1-37090
- Rice, R.R. *see* Smith, R.J. 1-28691
- Rice, R.W. The bit error rate performance of load management receivers using AFSK signaling 1-42408
- Rich, D. *see* Flederbach, D. 1-50881
- Rich, J.F., Kirby, K.A., Mahoney, P.J. Cogeneration systems evaluation: a case study 1-43929
- Richard, A.L. Overcurrent protection and the 1981 NEC 1-38799
- Richard, J.C., Roaux, E. Low light level imaging tube with GaAs photocathode 1-32594
- Richard, R. *see* Schade, H.-J. 1-43864
- Richards, B., Bray, C.L., Jeffery, C., Khadr, N. An assessment of the accuracy of the Bonner/IBM ECG analysis program when compared with autopsy evidence 1-43354
- Richards, D., George, J.F., Seward, J.S. Design of 50-MW grazing and moored OTEC pilot/demonstration plants 1-31114
- Richards, D.L., Whorwood, R.W., Howse, D.C. Telephone connection assessment by computer models 1-41907
- Richards, E.F. *see* Chamorro, R.S. 1-34779, 1-38664
- Richards, G.G., Tan, O.T. Simplified models for induction machine transients under balanced and unbalanced conditions 1-38984
- Richards, H. The silicon integrated circuit pilot plant at the Plessey Research Centre, Caswell 1-50986
- Richards, J.C.S. Simplified design of DC power supplies. Design considerations and formulae for common circuit configurations 1-45277
- Richards, L.D. Self-adjusting end of tape/beginning of tape optical transducer detection circuit 1-48081
- Richards, M.A. A system for helium speech enhancement using the short-time Fourier transform 1-41600
- Richards, M.A. *see* Schafer, R.W. 1-29177
- Richards, O.L. *see* Grosjean, J.P. 1-34055
- Richards, S. *see* Sanger, P.A. 1-28286
- Richards, W.F., Lo, Y.T. A wide-band, multipoint theory for thin microstrip antennas 1-47037
- Richards, W.F., Lo, Y.T., Brewer, J. A simple experimental method for separating loss parameters of a microstrip antenna 1-29002
- Richards, W.F., Lo, Y.T., Harrison, D.D. An improved theory for microstrip antennas and applications 1-28973
- Richards, W.F. *see* Lo, Y.T. 1-41381, 1-51709
- Richardson, A.S. Dynamic analysis of lightly iced conductor galloping in two degrees of freedom 1-49139
- Richardson, C.T. *see* Wanzer Drane, J. 1-44846
- Richardson, D.C., McCarter, D.O. Managing preventive maintenance programs for maximum effectiveness 1-39363
- Richardson, E.G. *see* Ziegler, N.F. 1-42821
- Richardson, J. Equivalent circuit for DC machine static drives 1-53706
- Richardson, J. *see* Elsley, R. 1-38631
- Richardson, J.W. Verifying high spectral purity and level accuracy in production 1-30145
- Richardson, L.W. *see* Wozniak, G.J. 1-34513
- Richardson, M.C. *see* Burgess, M.D.J. 1-33199
- Richardson, N. *see* Maloney, C.E. 1-32548
- Richardson, P.W., Miller, F.Q., White, M.N. Design, performance and life cycle cost relationships for a 500 kW space solar array 1-31119
- Richardson, R.E. *see* Sequeda, F. 1-45119
- Richardson, W.S., Bayliss, J.A., Colley, S.R., Kravitz, R.H., McCormick, G.A., Wilde, D.K., Wittmer, L.L. The 32b computer instruction decoding unit 1-32314
- Richcreek, K.W., Jr. *see* Admirand, D.J. 1-26955
- Richfield, E.K., Cohen, B.A., Albers, J.W. Review of quantitative and automated needle electromyographic analyses 1-43335
- Richied, D. *see* Theilacker, J. 1-42825
- Richings, J.G. Testing plastics is stretching technology 1-38153
- Richman, I., Shoor, J.D. Theory and practice for advanced sensor evaluation and test (ASET) facility calibration 1-52356
- Richmond, J.H., Wang, N.N., Hung Ban Tran. Propagation of surface waves on a buried coaxial cable with periodic slots 1-46973
- Richmond, P. Upgrading system performance by ISO-CMOS replacement of standard IC's 1-28124
- Richmond, P., Broomfield, R. Upgrading system performance by ISO-CMOS replacement of standard ICs 1-32878
- Richon, G.L. Factors affecting thermal endurance testing of magnetic wire varnish systems 1-40753
- Richter, B. Digital test data and their processing for in-line control of cable and telephone wire extrusion lines 1-33906
- Richter, B., Bell, R.A., Brown, K.L., Chao, A.W., Clendenin, J., Crook, K.F., Davies-White, W., De Staebler, H., Ecklund, S., Fischer, G.E., Gould, R.A., Helm, R., Hollebeck, R., Lee, M.-J., Lisin, A.V., Loew, G.A., Melen, R.E., Miller, R.H., Ritson, D.M., Sherden, D.J., Sinclair, C., Spencer, J., Stiening, R., Wiedemann, H., Wilson, P.B., Yao, C.Y. The SLAC Linear Collider 1-42876
- Richter, B. *see* Chao, A.W. 1-48491
- Richter, B. *see* Munch, E. 1-43827
- Richter, C. *see* Kubzdela, S. 1-53480
- Richter, D. *see* Hermeyer, B. 1-38489
- Richter, D. *see* Quinn, M.D. 1-46221
- Richter, G., Wolf, J. Economic use of compressors in the DDR gas grid 1-53854
- Richter, G.R. Numerical identification of a spatially varying diffusion coefficient 1-39700
- Richter, H. *see* Opitz, R. 1-31569
- Richter, J. New methods in the cooperation between component manufacturer and user 1-36409
- Richter, J. *see* Albrecht, G. 1-34259
- Richter, J. *see* Foell, W.K. 1-34981
- Richter, J.S. *see* Kostenko, A. 1-40642
- Richter, L. Rational testing methods for digital communications systems 1-51900
- Richter, R. The 3-state buffer as a type D flip flop 1-45375
- Richter, R., Strasser, P., Schweinfurth, J. Operating experiments with more than 1000 start-ups of the 300 MW peak load power plant of GKM 1-53231
- Richter, R. *see* Avery, R. 1-42826
- Richter, R. *see* Bursik, A. 1-30978
- Richter, R. *see* Cisneros, E. 1-34501
- Richter, R.A. *see* Lawrence, T.R. 1-48864
- Richter, T. Taking the mean of stochastic signal forms 1-41630
- Richter, W. *see* Gerhardt, O. 1-32987
- Richard, J.T. Optimal array processing with 3-D random arrays 1-37974
- Richard, J.T., Zeidler, J.R., Dentino, M.J., Shensa, M. A performance analysis of adaptive line enhancer-augmented spectral detectors 1-37502
- Richard, W.L. A trickle impregnation review 1-39400
- Ricker, M.W., Zanin, S.J. Protective layer for multilayer ceramic I/O pins 1-39408
- Ricketts, B.W. Intermodulation in detector amplifiers 1-27307
- Ricketts, B.W. Impedance of Zener diodes at low frequencies 1-46094
- Rickle, A.L., Clark, R.E., Povey, E.H. Field measurements of transformer excitation current as a diagnostic tool 1-39039
- Rickle, A.L., Clark, R.E., Povey, E.H. Field measurements of transformer excitation current as a diagnostic tool 1-44153
- Rickus, E. *see* Kreutz, E.W. 1-36472
- Riddiford, A. *see* Neuffer, D. 1-43004
- Riddleberger, C.O. Technologies and future trends in rectifiers for customer premises telecommunications equipment 1-44245
- Rider, G.C., Clarke, J. A long range propagation experiment to investigate the incidence of anomalous propagation in the NW. Atlantic 1-46925
- Ridge, M.I. *see* Howson, R.P. 1-27155, 1-50325
- Ridgers, C.A.P. Pinna transformations and sound reproduction 1-34152
- Ridgway, D.N. *see* Miller, C.M. 1-46558
- Ridings, R. *see* Dobyns, T. 1-47640
- Ridler, D.S. The changing economics of line transmission 1-42135
- Ridley, B.K. *see* Amato, M.A. 1-28562
- Ridout, J.M., Webb, B.C. Dual waveband infrared scanning radiometer for use with rocket motor plumes 1-34291
- Rie, H. *see* Teimat, B.W. 1-31069
- Riebs, R.E. Implications of reliability on the economics of load management 1-53048
- Riede, V. *see* Sobotta, H. 1-48036
- Riedel, A.A. *see* Bacon, F.M. 1-38527
- Riedel, A.A. *see* Walko, R.J. 1-48563
- Riedel, C. *see* Blasche, K. 1-42782
- Riedel, F., Krauss, M., Moschitz, A. Study of logic concepts for integrated MOS-type A/D converters with two capacitors 1-40201
- Riedel, M. On a characterization problem in the queueing model GI/G/1 1-26986
- Riedel, M. Determination of a stochastic process by means of stochastic integrals 1-44889
- Riedel, W. *see* Ziegs, W. 1-28601
- Riedel, W.J. *see* Grisar, R. 1-37102
- Rieder, W. Arc interruption 1-32528
- Rieder, W. *see* Blahous, L. 1-35312
- Riederer, S.J., Pelc, N.J., Georges, J.-P.J., Keyes, G.S., Lehmann, L.A., Hall, A.L. Beam hardening, noise, and contrast considerations in selective iodine digital radiography 1-34591
- Riederer, S.J. *see* Kruger, R.A. 1-34590
- Riedhauser, S. *see* Barker, M.D. 1-43164
- Riedl, F., Bingelli, A. The multiple louvre electrical contact system 1-40291
- Riedlberger, F. *see* Ruge, I. 1-48701
- Rieger, A. *see* Culetto, F. 1-30859
- Riegstra, H. Pre-amp with multisection tone control 1-27323
- Rieke, B. *see* Bausch, H. 1-53414
- Rieke, G.H., Montgomery, E.F., Lebofsky, M.J., Eisenhardt, P.R. High sensitivity operation of discrete solid state detectors at 4K 1-30114
- Riekman, D. *see* Behr, J.P. 1-29482
- Riekman, D. *see* Behr, J.-P. 1-29506
- Riel, W. Working experiences with combined operation in the GFA power station Franken I 1-31015
- Riemann, E. The test and diagnostic console for teleprocessing (MDP) 1-39415
- Riemann, H.E., Marhoff, P. The clinical value of high resolution X-ray television with a high number of scanning lines 1-43299
- Riemer, D.E. Material selection and design guidelines for migration-resistant thick-film circuits with silver-bearing conductors 1-45821
- Riemersma, H., Barton, M.L., Litz, D.C., Eckels, P.W., Murphy, J.H., Roach, J.F. Application of superconducting technology to power transformers 1-44163
- Rieniacker, W. Monolithic integratable filters in the CTD technique. II 1-27512
- Riepe, F. One-dimensional calculation of the induction machine with unslotted skin effect rotor 1-38973
- Riepe, F. Two-dimensional computer-based design of induction machines with solid rotors 1-38979
- Rieppo, R. Comparison of the efficiency values of HgI<sub>2</sub> and NaI detectors 1-43216
- Ries, F.X. *see* Kanda, M. 1-30088, 1-48041
- Ries, H., Brezina, P., Arnet, F. Electroslag welding of components with intricate seam geometry 1-39231
- Ries, H., Drexler, J., Fischer, R., Gunther, W., Huber, K., Kneissl, U., Stroher, H., Wilke, W. The preparation of large area uranium target layers for a multiple parallel plate fission detector 1-48603
- Ries, S. *see* Servet, B. 1-27179
- Riesenfeld, R.F. *see* Lane, J.M. 1-35877
- Riess, R. Decontamination in nuclear power stations 1-34987
- Riesz, R.P. *see* Balasubramanian, G. 1-38293
- Riethmuller, R. *see* Burkhardt, H. 1-43210
- Riethmuller, R. *see* Lecomte, P. 1-38430
- Rieux, T.H. *see* De Rieux, T.H.
- Rifkin, W. *see* Benson, G. 1-31131
- Rigaud, D. *see* Sodini, D. 1-40609
- Rigg, P.R. *see* Theodorou, E.A. 1-41391
- Riggan, W.C. *see* Rochau, G.E. 1-38385
- Riggin, D. *see* Reid, D.W. 1-42909
- Riggle, C.M. *see* Winfrey, R.C. 1-40796
- Riggs, L.S., Shumpert, T.H. Singularity expansion method (SEM) analysis of N arbitrarily oriented cylinders 1-41223
- Riisnaes, H.J. Prediction of reliability of different system configurations 1-48997

- Riittinen, H., Haltsonen, S., Reuhkala, E., Jalanko, M. Experiments on an isolated-word recognition system for multiple speakers 1-41592
- Riittinen, H. *see* Kohonen, T. 1-29143
- Rijanto, H. *see* Ferling, K. 1-49182
- Rijken, W.J., Mol, J.M.F. Spectral analysis in clinical electro-encephalography 1-38510
- Rijks, H.J., Monkowski, J.R., Giling, L.J., Bloom, J. Temperature dependent capacitance voltage measurements for the detection of trap levels in semiconductors 1-36464
- Rijsdijk, F. Logic oscilloscope for digital troubleshooting 1-48121
- Riley, D.R. *see* Hamilton, W.H., Jr. 1-30908
- Riley, H.B., Alexander, W.E. Deconvolution using the complex cepstrum 1-41786
- Riley, J.F. Semiconductor industry overview—a broad perspective 1-31615
- Riley, J.M.F. *see* Chan, Y.T. 1-41668
- Riley, P.J. *see* Hollas, C.L. 1-43199
- Riley, T. Newspaper technology: the next decade 1-48180
- Rimini, B. On the temperature uncertainty evaluation in LMFBR coolant channels 1-49244
- Rimini, E., Chu, W.K., Mader, S.R. Declustering and melting threshold study in laser irradiated Si(As) 1-50758
- Rimkus, J. *see* Kadansky, V. 1-43239
- Rimmroth, M. *see* Baltzer, E. 1-35283
- Rimmroth, M. *see* Battiwala, F. 1-35289
- Rimpp, F. Totally three-phase enclosed SF<sub>6</sub> insulated switchgear for 123/145 kV 1-44295
- Rinaldi, M. *see* Burchiani, A. 1-53455
- Rinaldi, S. *see* Lici, F. 1-46400
- Rinard, G.A., Matteson, R.W., Quine, R.W., Tegtmeyer, R.S. An infrared system for determining ocular position 1-34594
- Rinaudo, A. *see* De Paoli, R. 1-47366
- Rinck, T. Control techniques for heating plants with bi-valent heat pumps 1-38900
- Rinde, J. Packet network access in electronic mail system 1-29386
- Rinder, J. *see* Dempke, W. 1-37755
- Rinderer, L. *see* Saur, E.J. 1-32992
- Rinderle, H. *see* Malinowski, C.W. 1-29885
- Rines, K.D., Gallagher, N.C., Jr. Reducing quantization error in Hsueh-Sawchuk holograms 1-37225
- Ring, D.S. *see* Hackley, D.S. 1-28380
- Ring, R.B. Bond pull testing 1-32518
- Ringel, J. *see* Burkhardt, H. 1-43210
- Ringel, M.B. Detection range analysis of an airborne medium PRF radar 1-52127
- Ringermacher, H.I. Ultrasonic velocity characterization of fatigue damage in graphite/epoxy composites 1-38633
- Ringle, T.W., Van Dyke, M.S. Multi-page document display 1-30007
- Ringle, T.W., Van Dyke, M.S. Efficient storage for CRT display having alternate display modes 1-30008
- Ringle, T.W., Van Dyke, M.S. Move controller for refresh matrix buffer of CRT display 1-47939
- Ringlee, R.J. *see* Pang, C.K. 1-53024, 1-53025, 1-53026
- Ringler, K.G. *see* Cherney, E.A. 1-43758
- Ringoe, P., Jamar, C. Linearity of image photon counting systems 1-30115
- Rinkevichyus, B.S. *see* Vasil'ev, A.V. 1-37244
- Rinkunas, R. *see* Petreitis, B. 1-41185
- Rino, C.L., Gonzalez, V.H., Hessing, A.R. Coherence bandwidth loss in transionospheric radio propagation 1-33353
- Rino, C.L., Owen, J. On the temporal coherence loss of strongly scintillating signals 1-28912
- Rinott, Y. *see* Karlin, S. 1-26990, 1-44834
- Rinou, P.J. *see* Cornbleet, S. 1-28517
- Rio, R.A. The United States Air Force automated vibration diagnostics system (AVID) for improved jet engine maintenance 1-38322
- Rio, R.S. *see* Caulfield, J.J. 1-27944
- Rios, E.L. *see* Chamberlin, E.P. 1-43154
- Rios, F.J. De los *see* de los Rios, F.J.
- Rios, F.J. De Los *see* De Los Rios, F.J.
- Riout, J. Surface states: development of a roughness-meter 1-47900
- Rioux, C. *see* Caupers, P. 1-31363
- Rioux, C. *see* Goyet, R. 1-53416
- Rioux, C. *see* Sultanem, F. 1-53435
- Rioux, J. *see* Verie, C. 1-27804
- Rioux-Damidauf, F. *see* Caupers, P. 1-31363
- Rioux-Damidauf, F. *see* Sultanem, F. 1-53435
- Ripken, G. *see* Kose, R. 1-48461
- Ripley, S. 'VIMACS'—vertical interval machine control systems 1-42437
- Ripoche, G. *see* Valat, P. 1-28777
- Ripp, A.G. *see* Deryabina, G.N. 1-45149
- Ripper, J.E., Campos, M.D., Pudensi, M.A.A. Laser modes as eigenfunctions of an operator equation 1-51474
- Ripper, J.E. *see* Brösson, P. 1-37120
- Ripper, J. Ellis *see* Ellis Ripper, J.
- Rippe, J.N. *see* Cheng, T.C. 1-34908
- Rippl, K.H. *see* Jaeger, D. 1-33365
- Rippon, S. Monitoring distributed noise 1-29979
- Riris, A. *see* Mathews, N.A. 1-29167
- Ris, H.R. Electrical installation technology 1-52500
- Risch, L. Stability of SCCDs with extremely low interface state density 1-46325
- Riseman, J. Deep dielectric isolation 1-27902
- Riseman, J. *see* Abbas, S.A. 1-50916
- Riseman, J. *see* Davidson, E.E. 1-31887
- Riskalla, R. *see* Augustin, J.E. 1-43230
- Risken, H. *see* Mayr, M. 1-28743
- Rison, J.B. The automated office arrives 1-42066
- Rispin, L.W., Chang, D.C. A generalization of King's short antenna theory [for receiving antennas] 1-41387
- Rissanen, J.J. *see* Helman, D.R. 1-47176
- Rissanen, J.J. *see* Langdon, G.G., Jr. 1-47124
- Rissman, P. *see* Cross, P.S. 1-36761
- Ristic, S. On increment of current transistor amplifier by pushing pressure which can be used for mechanical and electrical conversion 1-40562
- Ristic, V.M., Hauser, F., Dubois, G., Licht, H. Nonlinear FM coded EMATs for nondestructive testing of materials 1-36804
- Ristici, M. *see* Apostol, D. 1-51544
- Ristig, E. New types of current-compensated chokes 1-27640
- Ristinen, R.A. *see* Becchetti, F.D. 1-38413
- Ristori, L. *see* Amendolia, S.R. 1-43238
- Ristori, P. *see* De Martini, F. 1-33280
- Ristov, M., Sinadinovski, G. High frequency breakdown characteristics of low frequency transistor 1-50911
- Ristov, M., Sinadinovski, G., Mitreski, M. The dependence of photovoltage on the temperature of wedge-shaped thin films 1-51249
- Ritamaki, P. *see* Andruszkiewicz, J. 1-44189
- Ritchie, A. *see* Magyary, S. 1-38333, 1-42922
- Ritchie, D.A., Lawrence, L.H. The first TXE4A exchange 1-47497
- Ritchie, I.M. *see* Rand, D.A.J. (editor) 1-49877
- Ritchie, L.C., Ting, Y.M. TTL three-input NOR circuit 1-50501
- Ritger, A.J. *see* Lin, C. 1-40893
- Ritson, D.M. *see* Richter, B. 1-42876
- Rittenhouse, R.C. Fire detection and prevention at power plants 1-30968
- Rittenhouse, R.C. Material handling and storage at power plants 1-43813
- Rittenhouse, R.G. Computer based messaging in a research organization 1-37712
- Ritter, G.A. *see* Dorler, J.A. 1-40685
- Ritter, H.G. *see* Gutbrod, H.H. 1-34433
- Ritter, J.E., Jr., Jakus, K. Fundamental approach to failure statistics of optical glass fibres 1-46523
- Ritter, U. Diagnosis methods for rail vehicles 1-35426
- Ritterman, P.F. Cycling characteristics of nickel-hydrogen cells 1-31434
- Ritts, R.R. Data encryption basics 1-47395
- Rittstieg, G. Cost developments and pricing structure of electricity supply in the eighties 1-52994
- Ritz, E.F. Analysis of deflection defocusing in large-angle CRTs 1-45873
- Ritzschke, M., Walter, H.-D., Krockner, H.-J. Acquisition of the duration of process states 1-52411
- Riunaud, J.P. *see* Boillot, J. 1-42937
- Riunaud, J.-P. *see* Blechschmidt, D. 1-42936
- Rivani, Y. *see* Poor, H.V. 1-37492
- Rivard, J.G. Electronic engine controls in the USA 1-31610
- Rivard, J.G. Status of automotive electronics in the USA 1-31616
- Rivas, J., Zamarrro, J.M., Martin, E., Pereira, C. Simple approximation for magnetization curves and hysteresis loops 1-40776
- Rivas, J. *see* Iniguez, J. 1-32964
- Rivaud, L. *see* Greder, M.C. 1-35377
- Rivellini, G. *see* Baldini-celio, R. 1-27355
- Rivenburgh, D.L. *see* Allen, G.W. 1-45842
- Rivera, C. *see* Nath, R. 1-43374
- Rivera, J. *see* Shih, Y. 1-45653
- Rivera, O. *see* Paciotti, M. 1-52637
- Rivero, J.L. *see* Almy, P.M. 1-45422
- Rivers, B. Electronic systems for vehicles [automotive electronics] 1-31614
- Rivers, D.A. Electronic mail: alternatives for document distribution 1-37709
- Rivers, D.D. *see* Aronoff, E. 1-37964
- Rivest, N. *see* Sarma Maruvada, P. 1-30706, 1-30707
- Rivest, R.L. A description of a single-chip implementation of the RSA public-key cryptosystem 1-29457
- Rivett, J.C. Management in a consulting engineering practice 1-49919
- Rivett, P. *see* Rahman, M.M. 1-33075
- Riviere, D. *see* Maiffert, R. 1-34922
- Rivlin, L.A., Semenov, A.T. Transmission of images through optical waveguides 1-36878
- Rivoal, M. *see* Behrend, H.-J. 1-43229
- Rivollet, R. *see* Assimacopoulos, A. 1-41980
- Rizakhanov, M.A., Emirov, Yu.N., Abilova, N.A. Spectral band shifts of induced impurity photoconductivity due to photochemical reactions in Cds: Cu crystals 1-33113
- Rizk, F.A.M. Statistical stress-duration characteristics of high voltage insulation 1-31288
- Rizk, F.A.M. *see* Beausejour, Y. 1-44203
- Rizk, M.R.M. *see* Bandler, J.W. 1-45634
- Rizk, M.S.A.S. *see* Claricoats, P.J.B. 1-41336
- Rizk, R.M. *see* Bandler, J.W. 1-36032
- Rizzo, A. *see* Augelli, V. 1-46617
- Rizzo, J. *see* Fung, H. 1-45256
- Rizzo, J.E. *see* Craxton, R.S. 1-51517
- Rizzo, J.F. New applications with E<sup>2</sup> PROMS 1-32294
- Rizzo, R.P. Flyback converter system 1-27267
- Rizzoli, V., Lippardini, A. A resonance method for the broad-band characterization of general two-port microstrip discontinuities 1-36319
- Rizzoli, V. *see* Lippardini, A. 1-45636
- Roach, J.F. *see* Riemersma, H. 1-44163
- Roach, M.E., Rosenkranz, K.O. Viewdata—a new medium for drug information 1-41938
- Roach, P.J. A low-cost educational speech synthesis system 1-41616
- Roalson, H.J. High efficiency motor drive circuit 1-53527
- Roaux, E. *see* Richard, J.C. 1-32594
- Robach, C., Saucier, G. Testing microprocessors and microprocessor-based systems: an overview and significant trends 1-27437
- Robach, C., Saucier, G. Microprocessor test program 1-27454
- Robbins, D.C. GTD-5 EAX Compool system 1-47482
- Robbins, D.J., Landsberg, P.T., Scholl, E. Threshold switching as a generation-recombination induced non-equilibrium phase transition. II 1-45951
- Robbins, J.D. *see* Netravali, A.N. 1-29078
- Robens, E. *see* Gast, T. 1-52591
- Roberge, F.A. *see* de Guise, J. 1-48733
- Roberge, F.A. *see* Gallais-Hammonno, F. 1-52811
- Roberson, C.W. The racetrack induction accelerator 1-48301
- Roberson, N.R. *see* Weller, H.R. 1-38412
- Robert, J. *see* Morand, A. 1-36350
- Robert, J. *see* Pakdel, M. 1-53418
- Robert, J.L. *see* Porowski, S. 1-32639
- Robert, S. *see* Machet, J. 1-50327
- Roberti, P. *see* De Nicola, R. 1-47501
- Roberts, A.P. Active tone control module 1-34146
- Roberts, B.D. *see* Finlay, H.J. 1-46183
- Roberts, B.P. A modular power conditioning system for computer power protection 1-43801
- Roberts, C.G. *see* Beck, J.D. 1-28045
- Roberts, G.A. *see* Slobodnik, A.J., Jr. 1-28202
- Roberts, G.B., Wenston, P.R. Uniqueness in the Cauchy problem for weakly hyperbolic operators not satisfying Levi conditions 1-50090
- Roberts, G.G., Vincett, P.S., Barlow, W.A. Technological applications of Langmuir-Blodgett films 1-45100
- Roberts, J. *see* Farrer, J. 1-48718
- Roberts, J.B.G. *see* McWhirter, J.G. 1-52249
- Roberts, J.M. *see* Pomeroy, B.D. 1-35103
- Roberts, J.S., Dawson, P., Scott, G.B. Homoepitaxial molecular beam growth of InP on thermally cleaned {100} oriented substrates 1-39765
- Roberts, K.A., Baker, T.E., Jerome, D.H. A vertically organized computer-aided design data base [for ICs and PCBs] 1-46253
- Roberts, K.P. *see* Pieroni, C.A. 1-30758
- Roberts, L. *see* Aharonian, G. 1-33010
- Roberts, M. *see* Hightower, D. 1-32298
- Roberts, M.W. *see* Leitzner, J.T. 1-47425
- Roberts, O. Variable power supply 1-45272
- Roberts, P. Enlarger/process timer 1-48247
- Roberts, R. *see* Arjmand, M. 1-37618
- Roberts, R. *see* Dieter Ambros, H. 1-48731
- Roberts, R.A. *see* Arjmand, M. 1-40113
- Roberts, R.A. *see* Mills, W.L. 1-47189
- Roberts, R.A. *see* Mordojovich, A. 1-37629
- Roberts, S. *see* Dash, S. 1-51022
- Roberts, S.D. Radius shell tape drive positioning 1-44405
- Roberts, S.K. A universal wirelist conversion program 1-27644
- Roberts, V.C., Sainz, A.J. Reduction of operator fatigue in Doppler ultrasound blood flow investigations 1-43387
- Roberts, V.C. *see* Sainz, A.J. 1-52766
- Robertson, A.S. *see* Daman, E.L. 1-53268
- Robertson, B. *see* Potzick, J.E. 1-27548
- Robertson, C. *see* Eldon, J. 1-41748
- Robertson, D. CAD: going underground [cabling and pipeline mapping] 1-38753
- Robertson, D.S. *see* Fairhurst, K. 1-32063
- Robertson, G.P. Using computer aided design in the drawing office 1-27684
- Robertson, I., Walls, L.A. Random number generators for the normal and gamma distributions using the ratio of uniforms method 1-44896
- Robertson, J.C. *see* Ghanbari, F. 1-30345
- Robertson, J.M., van Tol, M.W., Heynen, J.P.H., Smits, W.H., de Boer, T. Thin single crystalline phosphor layers grown by liquid phase epitaxy 1-33131
- Robertson, J.M., Van Tol, M.W., Smits, W.H., Heynen, J.P.H. Colourshift of the Ce<sup>3+</sup> emission in monocrystalline epitaxially grown garnet layers 1-33132
- Robertson, L.B. *see* Hargrove, C.K. 1-43237

- Robertson, M.J., Wakefield, B., Hutchinson, P. Strain-related degradation phenomena in long-lived GaAlAs stripe lasers 1-51467
- Robertson, R.G.H. *see* Gagliardi, C.A. 1-43167
- Robertson, R.S. Solution of 2-D nonlinear electromagnetic field problems with ADINAT 1-39689
- Robertson, R.S., Eisenhart, R.L. Coaxially-coupled ridge waveguide tunable oscillator 1-45671
- Robertson, W.J. Air traffic control tomorrow—where are we headed? 1-48832
- Robertson, W.J. *see* Fortney, L.R. 1-30204, 1-48629
- Robeson, L.P. *see* Liska, D.J. 1-43078
- Robichaud, Y. *see* Srinivasan, K. 1-48956
- Robinet, M., Bargeton, G., Beynie, C., Chardon, P., Watremez, R. 2048 kbit/s digital transmission trunk securization system 1-47471
- Robinette, G.J., Burns, R.C., Schwarz, R.M. Strapdown inertial reference systems performance analysis 1-52877
- Robins, K. *see* Kirk, H.G. 1-43105
- Robins, K. *see* Wanderer, P. 1-43097
- Robins, K. *see* Willen, E. 1-43117
- Robins, W.P. New notation for phase noise and phase jitter 1-37513
- Robinson, A.A. Magnetic bearings—the ultimate means of support for moving parts in space 1-52870
- Robinson, A.P. *see* Price, H.M. 1-41420
- Robinson, A.W. IMPs for optimised protection 1-45701
- Robinson, B. A new type of Cherenkov imaging detector 1-43247
- Robinson, B.W. *see* Kononenko, W. 1-52672
- Robinson, D. Servicing the Thorn 4000 chassis. I 1-34074
- Robinson, D.M. Environmental applications of accelerator technology 1-38601
- Robinson, D.M. *see* Pione, A.E. 1-44627
- Robinson, D.W. *see* Smith, J.H. 1-37059
- Robinson, G.N. *see* Matthews, P.A. 1-46945
- Robinson, H.J., Reddoch, T.W., Klein, J.W. A generalized model for electric distribution systems 1-43676
- Robinson, J.J. *see* Pelletier, R.A. 1-27668
- Robinson, J.M., Clayton, F.M. Robust bandwidth-efficient digital radio transmission using RBQPSK and adaptive receiver techniques 1-42174
- Robinson, J.M., Pate, A.J., Chamberlain, J.K. An electronic diversity combining system for use in terrestrial radio relay systems 1-42171
- Robinson, J.M. *see* Dudek, M.T. 1-37860
- Robinson, K., Hartmann-Goldstein, I.J., Goldstein, D.J. Recording of chromosome banding with the Vickers M85/M86 scanning microdensitometer 1-48676
- Robinson, K.E. *see* Deacon, D.A.G. 1-46661
- Robinson, K.E. *see* Smith, M.E. 1-41537
- Robinson, L.E. Parts per million—unavoidably a numbers game 1-39424
- Robinson, M., Sood, S.C. Real time depth measurement in a stereoscopic television display 1-42556
- Robinson, M. *see* Shackle, P.W. 1-27663
- Robinson, M.D., Rozgonyi, G.A., Seidel, T.E., Read, M.H. Orientation and implantation effects on stacking faults during silicon buried layer processing 1-36670
- Robinson, P.A., Jr. Dependence of surface electron dynamics on beam current density and energy in electron-beam experiments 1-32102
- Robinson, P.E. *see* Shaw, J.R. 1-49220
- Robinson, P.H., D'Aiello, R.V. The effect of atomic hydrogen passivation on polycrystalline silicon epitaxial solar cells 1-53610
- Robinson, P.J. *see* Orchard, W.R.H. 1-49266
- Robinson, P.M. The efficient estimation of a rational spectral density 1-33654
- Robinson, S.E. Magnetopneumography: non-invasive imaging of magnetic particulate in the lung and other organs 1-34621
- Robinson, S.R., Meer, D.E. Phase sequence estimation in the presence of Rayleigh fading 1-29616
- Robinson, S.R., Meer, D.E. Phase sequence estimation in the presence of Rayleigh fading 1-33661
- Robinson, W.G., Simmons, J.E., Brar, A.S., Fowler, A.M. Cryogenically cooled detector system for spectroscopic applications of solid-state arrays 1-48093
- Robison, W.N. *see* Gruebel, J. 1-52263
- Robles-Diaz, R. *see* Acha, J.I. 1-36258
- Robortaccio, R. *see* MacFarland, J. 1-40688
- Robson, P.N. *see* Benson, T.M. 1-28516
- Robson, P.N. *see* Umebu, I. 1-39782
- Robustelli, J. Requirements for very advanced ATE in support of laser, infrared and fiber optic systems 1-38118
- Roca, V., Terrasi, F., Moro, R., Sorrentino, G. CERNUC: a program for automatic high-resolution radioelemental analysis 1-38464
- Rocamora, R. *see* McGranaghan, M. 1-30595
- Roccasecca, D.D. *see* Chin, A.K. 1-51290
- Rocco, J.C. *see* Geller, R. 1-38395
- Rocha, L.F. Adaptive deconvolution of cyclostationary signals. I 1-33642
- Rocha, L.F. *see* Cernuschi-Frias, B. 1-47192
- Rochau, G.E., Hornsby, D.R., Mareda, J.F., Riggan, W.C. A pulsed neutron generator for mass flow measurement using the pulsed neutron activation technique 1-38385
- Roche, G. *see* Jousset, J. 1-52723
- Rocheleau, R.E. *see* Russell, T.W.F. 1-53683
- Rochelle, J.M. *see* De Lorenzo, J.T. 1-38881
- Rochow, T.G. Macroscopic resinography with polarized light 1-50343
- Rockenfelt, B.R. Measurement technological determination of the energy consumption of the German Federal Railway's (DB) electric traction 1-44422
- Rockingham, A.P., Taylor, R.H. The value of wind turbines to large electricity utilities 1-53335
- Rockmore, A.J. Multi-array surveillance processing using image reconstruction 1-38597
- Rocks, M. Digital multi-stage transmission in optical fibres using light-emitting diodes 1-29746
- Rocks, M. Digital multilevel transmission over optical fibres using light-emitting diodes. I 1-33965
- Rocks, M. Multi-stage digital transmission over lightguides with light-emitting diodes. III 1-37893
- Rocks, M. Digital multilevel transmission on optical fibers with light emitting diodes 1-47672
- Rodabaugh, D.J., Thompson, S. A note on the relative efficiency of Adams methods 1-45054
- Rodda, E. Additions to 10 GHz radar burglar alarm provide useful delays 1-26874
- Roddy, D. A method of using Simpson's rule in the DFT 1-45072
- Rode, C. *see* Martin, M. 1-42823
- Rode, C. *see* Theilacker, J. 1-42825
- Rodeh, M. *see* Steinberg, D. 1-36034
- Roden, D.M. *see* Higgins, S.B. 1-48736
- Rodenberg, R. *see* Cramer, J.G. 1-48325
- Rodenz, G.R. *see* Williams, S.W. 1-48361
- Rodenz, G.W. *see* Hamm, R.W. 1-42880
- Rodenz, G.W. *see* Stokes, R.H. 1-48469
- Roder, G. *see* Helke, G. 1-28160
- Roder, H. *see* Hoffmann, K. 1-40660, 1-44673
- Roderick, G.A. Sprayed cadmium sulphide solar cells 1-53680
- Rodger, E.S., Weisberg, H.L. An improved copper septum magnet design 1-43080
- Rodger, W.H., Barber, S.G., Forest, M.G., Prezewlocki, W. Field trial results for long-haul 90 Mb/s digital radio 1-29631
- Rodgers, A.W. *see* Stapinski, T.E. 1-38202
- Rodgers, M.A.J. Some applications of accelerators in chemistry and biology 1-38341
- Rodgers, P.W. *see* Clark, G.A. 1-51830
- Rodhe, P. *see* Endersz, G. 1-29735
- Rodichkin, V.A. *see* Dzhelepov, I.B. 1-30286
- Rodimov, A.P., Popovskiy, V.V., Dmitriyev, V.I. Statistical synthesis of the polarization equation in dynamic radio relay lines 1-42164
- Rodina, A.A. *see* Akimchenko, I.P. 1-40427
- Rodonov, V.D. *see* Bezrukavnikov, V.N. 1-30043
- Rodionova, N.V. *see* Aspisheev, G.M. 1-31324
- Rod'kin, D.I., Astaf'ev, A.Yu. Control of the harmonic content of the current of a high-power rectifier converter unit 1-31318
- Rodl, V. *see* Poljak, S. 1-35808
- Rodot, H., Cassagne, P., Hamidi, M. Theoretical studies on a new single crystalline ribbon growth method 1-39759
- Rodot, M. Research on photovoltaic conversion. A guarantee of efficiency for the European solar energy program 1-53667
- Rodrigues-Tellez, J. *see* Hadjifotou, A. 1-42565
- Rodriguez, A.A. *see* Iribarnegaray, L.S. 1-53444
- Rodriguez, C. *see* Zimmermann, Th. 1-45014
- Rodriguez, C.V. The profitability conditions for the use of solar electric power stations 1-44002
- Rodriguez, E.T. When the transistor starts to sweat—thermally conditioned compromises for medium power semiconductors 1-50006
- Rodriguez, G., Ortiz, L., Moreno, M. White light pseudocolour density encoding by clear raster 1-47239
- Rodriguez, G.D. *see* Wu, C. 1-38792
- Rodriguez, J.L. *see* Broadway, A.R.W. 1-53494
- Rodriguez, M.A., Williams, R.H., Carlow, T.J. Estimation and detection of variable latency signals via unwrapped phase averaging 1-37590
- Rodriguez, M.A., Williams, R.H., Carlow, T.J. Signal delay and waveform estimation using unwrapped phase averaging 1-41659
- Rodriguez, R. *see* Wilson, T.G., Jr. 1-53546
- Rodriguez Izquierdo, G. *see* Drake, J.M. 1-42720
- Rodriguez-Pena, A. *see* Wu, C.T. 1-34919
- Roe, G. *see* Lyons, J.W. 1-30511
- Roec, W.W. *see* Nalciglu, O. 1-34592
- Roedel, R.J. *see* Chin, A.K. 1-33163
- Roedern, B. *see* von Roedern, B.
- Roehr, B., Shiner, B. Transient thermal resistance [semiconductor junctions] 1-32694
- Roehr, B. *see* Hoffman, D. 1-27275
- Roehrig, H., Nudelman, S., Fisher, H.D., Frost, M.M., Capp, M.P. Photoelectric imaging for radiology 1-34589
- Roerig, C.S. *see* Corbett, A.E. 1-49481
- Roeske, F., Jr. *see* Reedy, R.P. 1-38465
- Roessler, G. The new headquarters of the Deutsche Welle in Cologne 1-29839
- Roeterdink, J.A. *see* Elen, J.D. 1-41196
- Rogachev, A.A. *see* Gerasimov, A.L. 1-27882
- Rogachev, S.I. *see* Ivanenko, V.N. 1-49453
- Rogacheva, S.S. *see* Kurik, M.V. 1-37016
- Rogal', V.F., Sabadash, A.M. Vibration of pipe fittings during the flow of gas and liquid 1-36013
- Rogall, R. Induction motors for drive systems 1-44392
- Rogalski, A., Rutkowski, J. Temperature dependence of the  $R_{pA}$  product for photovoltaic PbTe detectors 1-51280
- Rogashkova, A.I. Excitation of waves in a nonhomogeneous isotropic plasma by a modulated electron beam 1-46952
- Roger, A. Newton-Kantorovich algorithm applied to an electromagnetic inverse problem 1-41205
- Rogers, A.J. Polarization-optical time domain reflectometry: a technique for the measurement of field distributions 1-34385
- Rogers, A.J. Motorway electrical systems 1-35503
- Rogers, A.J. *see* Osterfield, J.R. 1-33984
- Rogers, C.W. *see* Baier, R.E. 1-48876
- Rogers, D. Europe's first trades union training centre for electronics 1-35585
- Rogers, D. The rotor blade radar as a navigation and approach aid [helicopters] 1-42363
- Rogers, D. *see* Reginato, L.L. 1-43061
- Rogers, D., Jr. *see* Fessenden, T.J. 1-48557
- Rogers, D.A. *see* D'Assuncao, A.G. 1-28954, 1-45595, 1-47000
- Rogers, D.A. *see* Pires, P.S.M. 1-46551
- Rogers, D.A. *see* Waldman, H. 1-29319
- Rogers, D.G. Where finding fault is a virtue 1-31776
- Rogers, D.L. A single-chip 200 Mb/s fiber optic receiver circuit 1-29781
- Rogers, D.L. Heterojunction phototransistor 1-41013
- Rogers, D.S. *see* Keeping, K.J. 1-47737, 1-52160
- Rogers, D.V. Diversity and single-site radiometric measurements of 12-GHz radar attenuation in different climates 1-46915
- Rogers, D.W.O., Van Dyk, G. Use of a neutron remmeter to measure leakage neutrons from medical electron accelerators 1-34601
- Rogers, E.J. Impedance characteristics of large tower footings to a 100  $\mu$ s wide square wave of current 1-38793
- Rogers, G.J. *see* Srinivasan, K. 1-48956
- Rogers, G.L. *see* Silva, R. 1-51859
- Rogers, H., Feeley, J., Mole, D. Telidon and video-disc: the application of new technology in libraries 1-51943
- Rogers, H.H. *see* Pickett, D.F. 1-31435
- Rogers, J.D. *see* Walker, M.S. 1-31669
- Rogers, L.S. *see* Abramson, P. 1-29088
- Rogers, M. Alarm clock modifications 1-42753
- Rogers, R.C. On the cleaning of heavy-ion source anodes 1-48545
- Rogers, R.D., Williams, J.D. Digital control works for new power unit 1-43945
- Rogers, R.G., Saleh, A.A.M. Comment on 'transmission line identities for a class of interconnected coupled-line sections with application to adjustable microstrip and stripline tuners' [and reply] 1-45605
- Rogers, R.R., Radhakant, S., Massambani, O. New radar studies of slant-path attenuation due to rain 1-33335
- Rogers, W.A., Meade, R.A., Kimberlin, D.R. Multiplex systems for automobiles 1-31633
- Rogers, W.J. *see* Zissermann, D. 1-48732
- Rogge, D., Seinsch, H.O. Theory and tests on a new protection device for unsymmetries in squirrel-cage rotors 1-35167
- Roggenbuck, G. *see* Schuchmann, G. 1-38123
- Roginets, L.P. *see* Zhuk, I.V. 1-30370
- Rogov, N.S. *see* Petrova, A.P. 1-46541
- Rogova, O.E. *see* Zinov'ev, E.V. 1-33785
- Rogovin, D., Avizonis, P. Collision-induced gain 1-37054
- Rogovin, D., Nagel, J. Anomalous magnetic field dependence of ultrasmall, low-critical-current Josephson junctions 1-33003
- Rogovoi, M.I. *see* Shubenko-Shubin, L.A. 1-31033
- Rogozin, V.V., Averin, A.N. The field of a balanced stripline 1-41282
- Rogozinsky, V.G. *see* Ageyev, A.I. 1-42866
- Roguski, A. Investigations of dielectric strength between contacts of a switch with SF<sub>6</sub> insulation 1-49589
- Rohatgi, A. *see* Loh, K.W. 1-40540
- Rohatgi, V.K. *see* Gupta, G.P. 1-31469
- Rohde, W. Solar batteries 1-39128
- Rohella, R.S., Debroy, S.K. Design aspects of a high power ultrasonic generator 1-34726
- Rohen, J.E., Shay, R.J., Smith, W.L. Digital tape recording 1-51085
- Rohl, P. *see* Fischer, P. 1-51039
- Rohl, P. *see* Nissen, K.W. 1-51038
- Rohlander, W. *see* Lechner, D. 1-29124
- Rohling, H. On the calculation of Doppler filter arrays for radar signal processing 1-29787
- Rohmig, P. *see* Billan, J. 1-48530

- Rohner, D.R. Method of forming a transistor 1-51008
- Rohner, F. see Battisti, S. 1-42801
- Rohrbach, E. Quality control for the Hasler DS-2000 paging system 1-42194
- Rohrbach, F. see Basile, M. 1-43250, 1-43251
- Rohrer, L. see Morchen, H. 1-43138
- Rohrer, L. see Munzer, H. 1-42845
- Rohrer, L. see Wagner, W. 1-43127
- Rohrer, R.A., Nosrati, H. A modified forward Euler approach to stable step response computations 1-27217
- Rohrer, U. see Olivo, M. 1-48390
- Rohsler, H., Strnad, A. Lighting in the vicinity of high voltage switching stations 1-39076
- Roitelman, I.G. see Scherbina, Yu.V. 1-43494
- Roitelman, I.G. see Shcherbina, Yu.V. 1-43501
- Roizman, P.S., Zinin, Yu.M., Maron, V.M., Ivanov, A.V. A basic-mode method for practical design of autonomous invertors with reverse diodes 1-39052
- Roizman, Yu.Ya. Choice of absolute slip with frequency control of an induction motor 1-35171
- Rojat, G., Nicolas, A., Foggia, A. Analysis and realisation of an inverter-fed linear induction motor for materials handling system 1-49497
- Rojek, K. see Nowakowski, A. 1-48202
- Rokach, J. see Bar-Ness, Y. 1-51738
- Rokas, G.J. A microprocessor-based PWM controller for DC/AC inverters 1-49587
- Rokos, G.H.S., Cederbaum, I. Comment on 'Voltage amplification in switched-capacitor networks' [and reply] 1-45235
- Rokushima, K. see Kominami, M. 1-45174
- Roland, P.A. see Subdo, A.S. 1-41074
- Rolander, T. Control program for a microcomputer network 1-29430
- Rolandi, L. see Amendolia, S.R. 1-43238
- Rolewicz, S. On conditions warranting  $\Phi_2$ -subdifferentiability 1-35848
- Rolewicz, S. On sufficient conditions of optimality in mathematical programming 1-44958
- Rolfe, D. CMOS and LP Schottky gate arrays 1-28106
- Rolfe, D., Vanstone, G. Designing in silicon for new generation products 1-35627
- Rolfeseng, L. see Dahl, E. 1-49022
- Rolicz, P. Impedance of a rectangular conductor of the starting cage of a double-cage motor 1-38943
- Rolington, A. The growing multiplexor market 1-29582
- Rolland, G. see Murthy, M.R.L.N. 1-50763
- Rollett, J.M., Nightingale, C., Greaves, A.J. Design and economical realisation of a hybrid RC-active lowpass filter for PCM 1-45488
- Rolstad, E., Saur, T.O., Wennemo-Hanssen, S.E. Evaluation of the influence of thermal feedback from fission gas release on PCI failure propensity with POSHO-THERMAL 1-53220
- Rom, R., Tobagi, F.A. Message-based priority functions in local multiaccess communication systems 1-51956
- Roman, A. Eddy current losses in electrical sheet arching for single- and multidomain wall models 1-40781
- Roman, B.J. see Bobeck, A.H. 1-46450
- Roman, S. see Hardy, W.C. 1-43162
- Romanchikaite, D.T. see Kapustinskas, A.I. 1-41467
- Romanelli, F. see Dattoli, G. 1-51304
- Romanenko, A.G. see Zheludev, I.S. 1-49230
- Romanenko, S.G. see Karakashev, V.A. 1-36234
- Romani, G.L. see Barbanera, S. 1-30410
- Romano, G. see Lamanna, E. 1-52719
- Romano, R., Quintana, V.H., Lopez, R., Valadez, V. Constrained economic dispatch of multi-area systems using the Dantzig-Wolfe decomposition principle 1-38685
- Romano, R., Quintana, V.H., Lopez, R., Valadez, V. Constrained economic dispatch of multi-area systems using the Dantzig-Wolfe decomposition principle 1-43515
- Romanosky, R.J. see Chirino, O.I. 1-27165
- Romanov, V.A. see Mukhametshin, V.I. 1-30289
- Romanov, V.M. see Vernov, N.I. 1-38302
- Romanov, V.P., Chaplygin, Yu.A. A theoretical model for the stationary distribution of mobile ions in a double-layer insulator 1-32714
- Romanov, Yu.A. see Il'chenko, L.G. 1-32716
- Romanova, E.P. see Korol'kov, V.I. 1-32794
- Romanova, G.P. see Litovchenko, V.G. 1-50889
- Romanovtsev, V.V. see Aleksandrov, I.V. 1-28475
- Romanowski, Z. see Sokolowski, M. 1-35967
- Romashko, V.Ya. Determining the parameters of regulators with voltage boosters 1-49583
- Romashko, V.Ya. see Rudenko, V.S. 1-31336
- Romeike, G. The operational unit OPE used as heat quantity computer and correction computer 1-29993
- Romeo, G. Cara see Cara Romeo, G.
- Romeo, M. see Martinez, E. 1-50037
- Romeo, N. Quasi-rheotaxy: growth of large crystalline grain thin films on quasi-liquid substrates 1-39777
- Romer, O. see Burkhardt, H. 1-43210
- Romer, O. see Lecomte, P. 1-38430
- Romero, H. see Destler, W.W. 1-45857
- Romik, P. see Ben Zaken, M. 1-37541
- Romik, P. see Kogan, E. 1-36784
- Rommelure, M. see Mariette, H. 1-35951
- Rompelman, O. see van Spronsen, C.J. 1-30470
- Ron, S. see Tartakovsky, M.B. 1-52783
- Ronacher, A. Not just a daydream: short programming times for complex PCBs 1-47925
- Ronat, A.E. see Langhans, J.D. 1-38825
- Ronchi Abbozzo, L., Pratesi, R. Mode and energy guidance properties of a slab of inhomogeneous medium with transverse variations of the gain only 1-28958
- Rondiris, I.L. see Allan, R.N. 1-39442
- Ronen, B., Pliskin, J.S. Decision analysis in microelectronic reliability: optimal design and packaging of a diode array 1-50060
- Rong Binglin see Changyan, C. 1-47789
- Rong-xiang Pei see Pei Rong-xiang
- Rongxiang Pei see Pei Rongxiang
- Ronnekleiv, A. see Engan, H. 1-32937
- Ronning, J. Reliability with batteries in reserve 1-53053
- Ronsin, M. see Milosevic, L. 1-42351
- Ronzhin, A.I. see Baldin, B.Yu. 1-34484
- Roo, J. De see De Roo, J.
- Roohparvar, F., Mahmoud, A.A. Multi-machine modeling of a group of 3-phase induction motors 1-53473
- Rooij, N.F. De see De Rooij, N.F.
- Rook, M.J., Goff, L.E., Potocney, G.J., Powell, L.J. Application of protective relays on a large industrial-utility tie with industrial cogeneration 1-43792
- Rooney, J.A., Gammell, P.M., Hestenes, J.D., Chin, H.P., Blankenhorn, D.H. The use of ultrasonic spectroscopy to characterize calcified lesions 1-52762
- Rooney, R.H., Shapiro, E.Y. The use of observers on relaxed static stability aircraft 1-52854
- Roos, J. The Data Grabber [ADC] 1-40190
- Roos, O. von see von Roos, O.
- Roos, R.A. TGS, the gas sensing semiconductor 1-30102
- Roos, R.A. Microcomputer designs electronic circuits. I 1-45178
- Roos, R.A. Microcomputer designs electronic circuits. II 1-45253
- Roosen, G., Imbert, C. Absolute measurement of laser beam energy using its radiation pressure force 1-33265
- Roosen, G., Imbert, C. Absolute measurement of laser beam energy using its radiation pressure force 1-41136
- Root, W.E. see Sklansky, J. 1-48691
- Rope, E.L. see Tricoles, G. 1-28807, 1-41156
- Roper, M.E. see Green, W.H.F. 1-42038
- Roque, C. see Sarda, J.P. 1-53292
- Rorick, W. see Bauer, W. 1-32098
- Ros, D. see Moneo, J.R. de F. 1-37641
- Rosa, J.M. de see de Rosa, J.M.
- Rosa, R. see Armigliato, A. 1-40986
- Rosa, R.G. see de Pedro, T. 1-27683
- Rosai, L. see Ferrario, B. 1-48294
- Rosales, B.C. see Goel, P. 1-47931
- Rosanda, L. see Sterpin, E. 1-30765
- Rosenthaler, D. see Takai, M. 1-32753
- Rosenthaler, D. see Tsien, P.H. 1-27929, 1-46055, 1-50761
- Roschlaub, W. see Eichner, K-P. 1-43914
- Roschlaub, W. see Munser, H. 1-35024
- Roscoe, J.B. Twenty metres long [HF radio antennas] 1-47058
- Rosdahl, A.R. see Zbasnik, J.P. 1-28373
- Rose, A. see Tiedje, T. 1-50798
- Rose, D.J. see Bank, R.E. 1-45058
- Rose, E.G. see Billowes, C.A. 1-29834
- Rose, F.L. Regulatory considerations for telecommunications equipment EMC 1-28944
- Rose, H. Correction of aperture aberrations in magnetic systems with threefold symmetry 1-51567
- Rose, H.K. see Antonucci, R.F. 1-35648
- Rose, I.A., Leonard, T.D. Switching transients on long EHV transmission lines in Queensland 1-34900
- Rose, J.W. High density optical waveguide array 1-40902
- Rose, J.W., Mitra, S.S. Numerical solution of the scalar-wave equation for inhomogeneous cylindrical dielectric waveguides 1-51190
- Rose, L.A., Pipis, J.S. How to model your coal-handling system to optimize availability, cut costly downtime 1-43939
- Rose, L.R.F. On the acoustic emission due to the fracture of brittle inclusions 1-39827
- Rose, M.E. A 'unified' numerical treatment of the wave equation and the Cauchy-Riemann equations 1-35916
- Rose, P. see Beer, M. 1-53222
- Rose, P.H. see Willenberg, H.J. 1-30943
- Rose, R.W. see Majewski, M.L. 1-45604
- Rosen, A. see Caulton, M. 1-46107
- Rosen, B.R. see Moran, J.M. 1-33352
- Rosen, J.J. see Peckham, P.H. 1-43378
- Rosenbaum, D. see Penkwitt, L. 1-44196
- Rosenbaum, F.J. see Madjar, A. 1-46148
- Rosenbaum, S. Voice coding and filtering: one chip does it [electronic switching systems] 1-42074
- Rosenbaum, S.D. Special ICs in digital switching—an overview 1-52021
- Rosenberg, A.E., Rabiner, L.R., Levinson, S.E., Wilpon, J.G. A preliminary study on the use of demissyllables in automatic speech recognition 1-41590
- Rosenberg, A.E., Shipley, K.L. Speaker identification and verification combined with speaker independent word recognition 1-37456
- Rosenberg, A.E. see Lamel, L.F. 1-47146
- Rosenberg, A.E. see Myers, C.S. 1-41521
- Rosenberg, D.J. see Campbell, P. 1-35421, 1-39001
- Rosenberg, H.M. see Burgemeister, E.A. 1-39732
- Rosenberg, J.J., Yoffa, E.J., Nathan, M.I. Importance of boundary conditions to conduction in short samples 1-45892
- Rosenberg, N. see Tartakovsky, M.B. 1-52783
- Rosenberg, R. Broadcasting TV-satellite antenna system 1-33943
- Rosenberg, R.L., Coldren, L.A. Broad-band transducer-coupled SAW resonator filters with a single critical masking step 1-36762
- Rosenberg, S.A., Kotlarewsky, P., Estabrooks, J.R. A new family of switched mode rectifiers 1-44246
- Rosenberg, W. From quartz to computer. A functional test of PCS 3000 1-37862
- Rosenberg, W. see Klopfer, H. 1-26831
- Rosenberry, G.M. see Mischler, W.R. 1-44125
- Rosenblatt, A. see Lyman, J. 1-31897
- Rosenblum, M.P., Thompson, M.J., Street, R.A. The role of RF substrate bias on the growth and properties of plasma deposited a-Si:H 1-45107
- Rosenblum, M.P. see Knights, J.C. 1-32075
- Rosenblum, S.S. see Chupp, W. 1-48405
- Rosenblum, S.S. see Faltens, A. 1-38327
- Rosenbluth, M.N. see Kroll, N.M. 1-51311, 1-51316
- Rosencher, E. A Displaced Maxwellian approach to ballistic electron transport in semiconductors 1-45895
- Rosenfeld, A. Image pattern recognition 1-33627
- Rosenfeld, A. Terrain classification using texture analysis 1-48885
- Rosenfeld, J.L.J., Strachan, D.C., Tromans, P.S., Searson, P.A. Experiments on the incandescence of radio-frequency, breakdown discharges (1.8-21 MHz CW) 1-27747
- Rosenfeld, M. see Alspach, B. 1-35811
- Rosenfeld, P.E. see Medford, L.V. 1-38582
- Rosengard, M.H. see Gaskill, J.R., Jr. 1-45840
- Rosenheck, L.S., Herstein, D., Druker, I. K-band power GaAs FETs 1-46177
- Rosenkranz, K.O. see Roach, M.E. 1-41938
- Rosenthal, B.D. see Guldmann, J.-M. 1-35076
- Rosenthal, H.-D. TV network for 90 to 264 V 1-47777
- Rosenthal, L.A. Delayed crowbar circuit performs nondestructive testing economically 1-27536
- Rosenthal, L.A., Beck, P.M. Large signal testing of fusible links 1-45758
- Rosenthal, T. see Grosch, C.B. 1-52148
- Roser, U. see Deiters, K. 1-30336
- Roser, U. see Oehme, K. 1-35628
- Rosesch, H. see Baier, H. 1-27302
- Rosey, R. see Feduska, W. 1-31410
- Roshal', A.S., Leitan, V.A. A method for numerical simulation of electrodynamic processes 1-46823
- Roshop, R. see Feldmann, H. 1-39222
- Rosiewicz, A., Gray, M.H. Temperature dependence of radiation-induced loss in optical fibers 1-40949
- Rosin, E.A. see Gensinger, P.F. 1-43969
- Rosin, R.F. Communication system architecture 1-29267
- Rosin, T. see Bostanoglo, O. 1-51081
- Rosinger, H. Drives on a bucket-wheel excavator 1-31742
- Rosinski, W. The use of ion beams in electronics 1-39397
- Roska, K.O. Large-area histograms from Meteosat images 1-48851
- Roska, T. A new class of nonlinear n-ports and some practical consequences 1-45231
- Rosler, R.S., Engle, G.M. Plasma enhanced CVD in a novel LPCVD-type system 1-40521
- Roslova, M.L. see Voronin, Yu.V. 1-41007
- Rosner, R.A. The integration of wide area communications 1-47390
- Rosny, G. de see de Rosny, G.
- Rosowsky, D. see Ohm, G. 1-47658
- Ross, A., Philbrick, S.E. Development of joints for polymeric distribution cables in the UK 1-49151
- Ross, B., Hoke, M. Preamplifier with digitally controlled automatic offset compensation circuit for physiological applications 1-38514
- Ross, D.K. see Allen, A.J. 1-48667
- Ross, D.W., Patton, J., Cohen, A.I., Carson, M. New methods for evaluating distribution automation and control (DAC) systems benefits 1-43664
- Ross, G. see Fiddy, M.A. 1-37298
- Ross, H.C. The step start power switching system 1-49623

- Ross, I.N., White, M.S., Boon, J.E., Craddock, D., Damerell, A.R., Day, R.J., Gibson, A.F., Gottfeldt, P., Nicholas, D.J., Reason, C.J. Vulcan—a versatile high-power glass laser for multiuser experiments 1—51414
- Ross, J.N. Measurement of magnetic field by polarisation optical time-domain reflectometry 1—51162
- Ross, L. A seven-channel signal sequencer for use with chart recorders 1—30168
- Ross, L.N. Financial aspects of decision making in capital projects 1—39327
- Ross, M. *see* Goodman, J.W. (editor) 1—49863
- Ross, M.J., Garrigus, K.A. A distributed processing architecture for voice/data switching 1—51979
- Ross, M.J. *see* Walker, M.S. 1—31669
- Ross, N.W. *see* Edward, L.N.M. 1—49197
- Ross, P.M. Better materials to aid the insulation engineer 1—31159
- Ross, R.R. *see* Eberhard, P.H. 1—51132
- Ross, T. *see* Abratis, A. 1—40485
- Ross, W.J. *see* Nisbet, J.S. 1—28917
- Roszbach, J., Degele, D., Dehne, H.C., Gerke, H., Heins, D., Hoffmann, K., Kohaupt, R.D., Kose, R., Kumpfert, H., Leneke, M., Mais, H., Nesemann, H., Patzold, S., Peters, F., Piwinski, A., Roszbach, J., Rossmann, R., Steffen, K., Voss, G.A., Wille, K., Wrulich, A. New developments at PETRA 1—42785
- Roszbach, J. *see* Degele, D. 1—43142
- Roszbach, J. *see* Roszbach, J. 1—42785
- Rossel, P. *see* Azizi, C. 1—40607
- Rossel, P. *see* Capel, A. 1—52915
- Rosselet, L. *see* Botner, O. 1—34444
- Rosselet, L. *see* Cockerill, D. 1—43233
- Rosselli, P. *see* Adorni, N. 1—38568
- Rossen, L.M. *see* van Rossum, L.M.
- Rossi, A. *see* Joulie, A. 1—36505
- Rossi, C., Tortello, E. In a train with asynchronous motors 1—44447
- Rossi, C., Tortello, E., Werndorfer, G. Duty cycle and thermal behaviour of inverter-fed asynchronous motors 1—53469
- Rossi, C. *see* Accarino, N. 1—47432
- Rossi, F. *see* Kasangian, S. 1—31913
- Rossi, F. *see* Mongelluzzo, R. 1—53106
- Rossi, H. *see* Bossart, R. 1—48476
- Rossi, J.J. *see* Perez Ferreira, E. 1—42853
- Rossi, L. *see* Benso, S. 1—52674
- Rossi, M. *see* Chollet, G.F. 1—41575
- Rossi, U. *see* Calzavara, M. 1—46510
- Rossi, V. *see* Basile, M. 1—43250, 1—43251
- Rossi, V. *see* Bossart, R. 1—48476
- Rossi-Gianoli, E. *see* Krebs, K.H. 1—53675
- Rossin, V.V. *see* Zhilyaev, Yu.V. 1—46656
- Rossing, T.D. Anhystreretic magnetization and tape recorder bias 1—47849
- Rossiter, M.H. *see* Taylor, J.R. 1—41859
- Roszkopf, T.V. Test requirements for medium voltage extruded cables 1—43690
- Rossmann, R. *see* Degele, D. 1—43142
- Rossmann, R. *see* Roszbach, J. 1—42785
- Rosso, E. *see* Cockerill, D. 1—43233
- Rossol, L. Vision and adaptive robots in General Motors 1—50038
- Rosta, V. *see* Burr, S.A. 1—39580
- Rostas, J. Relation of information theory and measuring technique 1—42502
- Rostoker, N. *see* Fisher, A. 1—48403
- Roszkowski, A. Dynamic and frequency properties of the second-order band-stop filter 1—45439
- Rota, G.-C. *see* Joni, S.A. 1—27018
- Roth, A.W. Some remarks upon the interaction between standards and electrical networks 1—43483
- Roth, B.A. *see* Price, W.W. 1—49047
- Roth, D.R., Athnos, T.T. Training system management plans 1—31791
- Roth, D.R., Athnos, T.T. Training system management plans 1—39303
- Roth, I. *see* Ivers, J.D. 1—48402
- Roth, J.A., Jelatis, G.J., Maynard, J.D. A/D converter sampling rate multiplier 1—27584
- Roth, J.P., Savir, J. Minimal test-set calculation [logic testing] 1—40042
- Roth, J.P. *see* Frisiani, A.L. 1—45392
- Roth, J.P. *see* Hong, S.J. 1—26911
- Roth, J.W. *see* Oliver, J.A. 1—53278
- Roth, N. *see* Martin, R. 1—50027
- Roth, P.L., Leonardo, G. Multi-product environmental automatic test system 1—52370
- Roth, P.N. *see* Toridis, T.G. 1—39652
- Roth, S.C. *see* DeReggi, A.S. 1—30574
- Roth, T.F., Mishra, R.K., Thomas, G. Segregation in Czochralski grown calcium gallium germanium garnet single crystals 1—27093
- Roth, T.J. *see* Zinkiewicz, L.M. 1—50333
- Rothberg, M. *see* Levy, W.A. 1—33911
- Rothblatt, M.A. International legal norms governing development of the orbit/spectrum resource 1—52210
- Rothblum, U.G. Expansions of sums of matrix powers 1—35889
- Rothe, A. *see* Hartig, G. 1—34191
- Rothe, F. Impulse generators for electroerosive countersink working 1—39230
- Rothe, W. Investigation about the influence of the ground reflections on the measurement of the antenna directivity pattern 1—33399
- Rothenberg, M. *see* Zahorian, S.A. 1—29134
- Rother, D. Transmission of 60 carrier frequency channels over line sections using 4-wire technique 1—42132
- Rothermel, H.-J., Mlynski, D.A. Computation of power supply nets in VLSI layout 1—46238
- Rothermel, H.-J. *see* Wiesel, M. 1—40663
- Rothfuss, D. *see* Avery, R. 1—42826
- Rothmaier, K., Scheller, R. Design of economic PCM arrays with a prescribed grade of service 1—47487
- Rothman, B. Manufacturing of MICAPACT II coils 1—44019
- Rothman, E.D. *see* Grondin, R.O. 1—45891
- Rothman, M.T. *see* Monaghan, M.J. 1—48695
- Rotholz, E. Transmission-line transformers 1—28948
- Rothrauff, C.A. *see* Nunnally, C.E. 1—40069
- Rothwarf, A., Meakin, J.D., Barnett, A.M. Thin-film photovoltaic devices 1—44384
- Rothwarf, R., Leupold, H., Breslin, J.T., Tauber, A., Paul, D.I. Temperature dependent properties of an anisotropic Mn-Al-C permanent magnet 1—46426
- Rothwell, R. Technical change and competitiveness in engineering goods: some European data 1—49912
- Rotman, S.R., Roxlo, C.B., Bebelar, D., Yee, T.K., Salour, M.M. Pulse-width stabilization of a synchronously pumped dye laser 1—28677
- Rotolante, R. *see* Koehler, T. 1—47985
- Rotter, S. *see* Eger, D. 1—27852
- Rottger, J. Investigations of lower and middle atmosphere dynamics with spaced antenna drifts radars 1—43439
- Rottges, H. Operating experience with internal axial pumps at Isar nuclear power station 1—53179
- Rottmann, W. *see* Ihlefeldt, G. 1—47905
- Rotz, F.B. Compact, time-integrating optical correlator with variable time scaling 1—41817
- Roubicek, O., Pejsek, Z. Use of permanent magnets in the construction of an oscillatory linear synchronous motor 1—49510
- Rouget, H. *see* Roziere, G. 1—32582
- Rouget, R. *see* Boidin, M. 1—35524
- Rouille, C. *see* Felch, K.L. 1—51301
- Rouillon, J.C. *see* Flandrois, S. 1—44327
- Rouleau, G. *see* Hood, J. 1—42082
- Rouliez, J.A. *see* McAllister, D.F. 1—50243
- Roulston, D.J. Determination of CAD model parameters for bipolar transistors from fabrication data using the BIPOLE numerical program 1—40567
- Roulston, D.J. *see* Elmasry, M.I. 1—36603
- Roulston, D.J. *see* Eltoukhy, A.A. 1—50814
- Roulston, D.J. *see* Kumar, R. 1—32786, 1—36508, 1—36509
- Roulston, J.F. Analysis of peak-detecting and cell-averaging CFARs 1—42304
- Roumeliotis, J.A. *see* Metrou, N. 1—51649
- Rounds, E.M., King, T., Steffy, D. Feature extraction from forward looking infrared (FLIR) imagery 1—47957
- Roundy, C.B. Operation of pyroelectric self-scanning infrared (IR) detector arrays 1—48107
- Rourke, M.D. Measurement of the insertion loss of a single microbend 1—36897
- Rous, B. The causes of failures of electronic equipment in climatically difficult conditions 1—39466
- Rous, Z. Optoelectronic coupling components as a protection of telecommunication equipment against external electrical influences 1—37950
- Rous, Z. *see* Benes, J. 1—53145
- Rouse, G. *see* Billing, M. 1—42862
- Rouse, G. *see* Seeman, J. 1—43023
- Rouse, K.D. *see* Hardy, A.D. 1—52747
- Rouse, W.B. *see* Hunt, R.M. 1—49889
- Rousse, B. *see* Aleksan, R. 1—48582
- Rousseau, M. *see* Triboulet, M. 1—52117
- Rousset, A. *see* Gillot, B. 1—40418
- Roussiere, B. *see* Pataux, J.C. 1—52658
- Roussy, G. *see* Thiebaud, J.-M. 1—45632
- Routhorn, G.A. *see* Bott, A.J. 1—41910
- Rouvaen, J.M. *see* Waxin, G. 1—36987
- Rouviere, F. Proof of the Kashiwara-Vergne conjecture for  $S(2)$  1—44769
- Roux, C. *see* Lorig, B. 1—47369
- Roux, G. *see* Le Roux, G.
- Roux, J. *see* Cheron, Y. 1—40573
- Roux, J. *see* Le Roux, J.
- Rovelli, A. Apparatus for direct reception from TV satellites 1—47573
- Roveri, A. *see* Bonaventura, V. 1—29445
- Roveri, A. *see* Decina, M. 1—29300
- Rovnov, S.F. *see* Mel'nikov, V.I. 1—30166
- Rowaan, C.J. *see* Jorritsma, F.F. 1—34563
- Rowaan, C.J. *see* Sluiter, E.R. 1—34564
- Rowan, W. *see* Kaufman, L. 1—34422
- Rowberg, A. *see* Edwards, M. 1—34603
- Rowbotham, T.R., Niwa, K. The application of low-bit-rate encoding techniques to digital satellite systems 1—47631
- Rowbotham, T.R. *see* Perillan, L.B. 1—47646
- Rowbotham, T.R. *see* Wu, W.W. 1—29710
- Rowe, C., Sucharczuk, M. FD-2 fiber optics system for inter-office trunking 1—29774
- Rowe, D.A. *see* Lao, B.Y. 1—46375
- Rowe, E.M. Facilities in the United States [synchrotron radiation] 1—38347
- Rowe, E.M. The Aladdin frequency accelerating system power amplifier: 140 kW at considerably less than a dollar a watt 1—43069
- Rowe, E.M., Green, M.A., Hicks, J.W., Trzeciak, W.S., Winter, W.R., Jr. Status of the Aladdin project 1—48555
- Rowe, E.M. *see* Green, M.A. 1—42793
- Rowe, H.E. Bounds on the number of users in spread-spectrum systems 1—29254
- Rowe, H.E., Mack, I.M. Coupled modes with random propagation constants 1—51221
- Rowe, J.E. *see* Crider, C.A. 1—45114
- Rowe, P. Computer aided circuit design 1—45185
- Rowe, R.W. *see* Flower, M.A. 1—43313
- Rowe, S.A. Electromechanical actuation development program [aircraft flight control] 1—52883
- Rowell, D.M. Social needs and the interaction with technology: progressing from Telecom 2000 1—41858
- Rowland, C.R. *see* Smaha, D.W. 1—49162
- Rowley, W.R.C. *see* Layer, H.P. 1—33185
- Roworth, D.A.A. Fibre optics for industrial applications 1—28465
- Rowson, J. *see* Trimberger, S. 1—46234
- Rowson, J.A. *see* Trimberger, S. 1—46203
- Roxlo, C.B., Bebelar, D., Salour, M.M. Tunable CW bulk semiconductor platelet laser 1—28682
- Roxlo, C.B., Salour, M.M. Synchronously pumped mode-locked CdS platelet laser 1—37094
- Roxlo, C.B., Salour, M.M. Generation of picosecond pulses from a synchronously pumped CdS platelet laser 1—51433
- Roxlo, C.B. *see* Rotman, S.R. 1—28677
- Roy, D.J. Georgetown University's experience in the atmospheric fluidized bed combustor technology 1—31039
- Roy, J.-C. A silicon-on-sapphire integrated video controller 1—38129
- Roy, J.V. Perceptual considerations in designing displays 1—47948
- Roy, K., Pschunder, W. Comparison of solar cells from nonsingle and single crystalline silicon in a pilot production line 1—53673
- Roy, L. Generalized shunt fault analysis of unbalanced polyphase electrical networks 1—34823
- Roy, L. Formation of polyphase admittance matrix [power system analysis] 1—38710
- Roy, L. *see* Tripathy, S.C. 1—48962
- Roy, M. *see* St-Jean, G. 1—30814
- Roy, M. *see* St-Jean, G. 1—38820
- Roy, N.A. *see* Brown, G.S. 1—38594
- Roy, Ph. *see* Augustin, J.E. 1—43230
- Roy, R. *see* Kaminishi, K. 1—46710
- Roy, S. *see* Arya, N.S. 1—52720
- Roy, S.C.D. Compensation for inefficiency in charge transfer device transversal filters 1—27527
- Roy, S.C.D. Single shunt fault diagnosis in a resistive ladder 1—45441
- Roy, S.C.D. *see* Varanasi, P. 1—36235
- Roy, S.C.Dutta *see* Dutta Roy, S.C.
- Roy, Y. Reception systems for broadcast Teletext 1—29394
- Roy, Y. Audio network remote switching system 1—37991
- Roy-Stephan, M. *see* Naulin, F. 1—38422
- Roybal, L. *see* McCormick, J.B. 1—36431
- Royce, R.K. A compact wideband HF transmitting antenna 1—51724
- Roychowdhury, R.K. *see* Khan, T.P. 1—46951
- Royer, D. *see* Dieulesaint, E. 1—34378
- Royer, H., Lecoq, P., Ramsmeier, E. Application of holography to bubble chamber visualization 1—34494
- Royer, J.P. *see* Baribaud, G. 1—42934
- Royer, M. Crystal growth of narrow gap semiconductors: theory and techniques 1—35941
- Royet, J.M. *see* Heinrich, J.P. 1—28381
- Royle, J. *see* Sakaue, G. 1—46333
- Royt, T.R. Repetitive mode-locking in thermally compensated phosphate glasses at 5 Hz and above 1—28701
- Roytman, L.M., Delansky, J.F., Swamy, M.N.S. A technique for coefficient minimum word length estimation sufficient for stability maintenance in N-D filters 1—40130
- Roytman, L.M., Swamy, M.N.S. Parameter identification in linear networks 1—27223
- Roytman, L.M., Swamy, M.N.S. One method of the circuit diagnosis 1—32129
- Roytman, L.M., Swamy, M.N.S. Multiple-fault diagnosis in analogue circuits 1—36049
- Roytman, L.M., Swamy, M.N.S. Determination of quantization error in two-dimensional digital filters 1—40114
- Roytman, L.M., Swamy, M.N.S. An  $l_2$ -stability theorem for multidimensional IIR digital filters 1—40127
- Roytman, L.M., Swamy, M.N.S. Some properties of orthonormal excitations of the circuit and the calculation of the circuit elements 1—45206
- Roytman, L.M., Swamy, M.N.S. Diagnosis of passive networks 1—45453

- Roza, E. *see* van de Grijp, A. 1-42230  
 Rozanov, B.A. *see* Andreyev, G.A. 1-33355  
 Rozanov, N.N. Hysteresis in the temperature profile in the optical thermal breakdown of semiconductors 1-32599  
 Rozanov, N.N. Allowance for finite beam size in hybrid bistable optical devices 1-33087  
 Rozanov, N.N. *see* Parygin, V.N. 1-51364  
 Rozanov, V.V. *see* Timofeev, Yu.M. 1-48861  
 Rozanov, Yu.A. *see* Sunanto 1-39069  
 Rozeboom, R. *see* Horton, R. 1-45354  
 Rozenbaum, I.D. *see* Gorelik, A.Kh. 1-31034  
 Rozenberg, A.E. *see* Naletskii, M.M. 1-43659  
 Rozenberg, V.L., Lykov, A.G., Kulich, V.A., Korobov, Yu.V. Physical modeling of current leads of large ore reduction electric furnaces 1-35525  
 Rozenberg, V.L. *see* Al'zhanov, T.M. 1-31710  
 Rozenfel'd, E.B., Zotov, B.V. Apparatus for combined diagnosis by means of spectral zones 1-38483  
 Rozenfel'd, L.M. *see* Brynskii, E.A. 1-35132  
 Rozenfeld, P., Campos Mello, L.A., Filho, A.B. Finite-difference method for the arbitrary cross-section waveguide problem using the best-fit boundary approximation 1-46997  
 Rozenon, A.E. *see* Badikov, V.V. 1-28423  
 Rozent, M. *see* Lysiak, E. 1-48944  
 Rozental, E.S. Installation and operating characteristics of electric accessories 1-35495  
 Rozgonyi, G.A. *see* Robinson, M.D. 1-36670  
 Rozhavskii, S.M., Miroshnik, A.V. Effect of load inequality between phases on power losses in five-conductor rural 380/220 V lines 1-38739  
 Rozhdetsvenskii, A.N. *see* Kanev, B.N. 1-40810  
 Rozich, W.R. *see* Bayer, E.H. 1-40641  
 Roziere, G., Verat, M., Rougeot, H., Driard, B. Large-field-of-view image-intensifier gamma-camera detectors using a silicon X Y scintillation localizer 1-32582  
 Rozin, V.S. *see* Kirillov, I.I. 1-35001  
 Rozmankovskii, I.V. *see* Pogribnoi, V.A. 1-29095  
 Rozner, J.D. Unlocking captive production time with AC drives 1-53822  
 Roznyatovskii, V.A. *see* Komolov, V.P. 1-52048  
 Rozov, B.S. *see* Galuev, S.V. 1-46815  
 Rozov, V.I. *see* Zheltov, K.A. 1-39056  
 Rozsa, K. *see* Janossy, M. 1-51341  
 Rozzi, T.E. *see* Poh, B.S. 1-37122  
 Rozzi, T.E. *see* Shore, K.A. 1-37121, 1-46736  
 Ru-Chen Chen *see* Chen Ru-Chen  
 Ru-Ying Lee *see* McAllister, P.R. 1-44858  
 Ru-zeng Zhu *see* Zhu Ru-zeng  
 Ruan Ken-Hong *see* Ken-Hong Ruan  
 Ruan Ying-chao Theoretical analysis of the Hall effect of the junction field effect transistor 1-28017  
 Rubakha, Ye.A. *see* Kerner, B.S. 1-28000  
 Rubal'skii, R.B. A model of servicing distant objects 1-35670  
 Ruban, N.A. *see* Ktalkherman, M.G. 1-37056  
 Ruban, N.G. *see* Popov, V.S. 1-34260  
 Rubbia, C. The physics frontier of elementary particles and future accelerators 1-48303  
 Rubbia, C. *see* Deiters, K. 1-30336  
 Rubbia, C. *see* Herr, H. 1-48528  
 Rubel, P., Varrot, M., Morlet, D., Block, J.R., Arnaud, P., Forlini, M.C. The Lyon microcomputer based portable ECG processing system 1-48719  
 Rubenstein, R. *see* Murakawa, H. 1-39678  
 Rubet, R. Permanent magnet stepping motors 1-49515  
 Rubichev, N.A. Multidimensional normalization of a random process in the case of a nonlinear inertial transformation 1-44870  
 Rubin, Gy. *see* Cser, L. 1-38455  
 Rubin, G.K. *see* Fillipov, V.I. 1-31672  
 Rubin, I., Louie, M. A class of hybrid TDMA/tree-random-access schemes for multi-access communication channels 1-33713  
 Rubin, J. Distributed time division multiple access (DTDMA)—a distributed signaling technique for advanced tactical communications 1-51883  
 Rubin, L.G. *see* Leupold, M.J. 1-51127  
 Rubin, P., Baer, T., Mermelstein, P. An articulatory synthesizer for perceptual research 1-51801  
 Rubin, W. Further developments in soldering chemicals using non rosin based mediums 1-26926  
 Rubingaut, A.M. *see* Nakhamkin, A.M. 1-49402  
 Rubinger, B., Noonan, L. Technological innovation: changing perspectives and proposed actions 1-31805  
 Rubino, N. *see* Bini, M. 1-34643  
 Rubinov, A.N. *see* Batishche, S.A. 1-33282  
 Rubinstein, I.A. *see* Gerberg, A.N. 1-48850  
 Rubinstein, J. *see* Penfield, P., Jr. 1-46334  
 Rubinstein, J. *see* Senturia, S.D. 1-50799  
 Rubinstein, Y. Generating from beta distribution 1-39547  
 Rublevskii, I.N. *see* Gvozdet'skii, V.S. 1-49830  
 Rubtsov, L.N. *see* Bocharov, V.I. 1-51613  
 Rubtsov, V.P. *see* Sokolov, M.M. 1-35414  
 Rubval'ter, D.A. Methodological problems in the determination of demand for electrical industry products 1-31832  
 Ruby, J.D., Huettenhain, H. Western subbituminous coals and lignites 1-53174  
 Ruby, S. *see* Landgrebe, A.R. 1-31408  
 Ruch, J.G. *see* Misawa, T. 1-52009  
 Ruchet, R. The protection of cables against NEMP phenomena 1-34932  
 Ruck, R.C., Smith, O.J. KS-127A long range oblique reconnaissance camera for RF-4 aircraft 1-48895  
 Rucker, F. Simultaneous propagation measurements in the 12 GHz band on SIRIO and OTS satellite links 1-28890  
 Ruckle, W.H. Ambushing random walks. II. Continuous models 1-50124  
 Ruckle, W.H., Reay, J.R. Ambushing random walks. III. More continuous models 1-50125  
 Rucklidge, J.C. *see* Litherland, A.E. 1-48663  
 Rud', Yu.V., Masagutova, R.V., Medvedkin, G.A. Photodetector p-n-p structure in ZnGeP<sub>2</sub> with the photocurrent polarity controlled by the plane of polarization of incident light 1-34298  
 Rud', Yu.V. *see* Boiko, M.E. 1-32691  
 Rud', Yu.V. *see* Medvedkin, G.A. 1-33112, 1-37038, 1-42627  
 Ruda, H. *see* Becla, P. 1-50284  
 Rudakov, V.V. *see* Pavlov, Yu.P. 1-44403  
 Rudalski, E. *see* Anuszewski, Z. 1-26920  
 Rudd, A.C. When to use consultants [for product design] 1-39374  
 Rudd, D.W. *see* Turbini, L.J. 1-27703  
 Ruddick, K. *see* Jonckheere, A. 1-30300  
 Rudduck, R.C., Lee, S.H., Burnside, W.D. GTD analysis of reflector antennas with general rim shapes 1-41347  
 Rude, D.L., Whritener, J.M. Electric inspection system for flex-circuits 1-45790  
 Rudel, P. *see* Ludes, R. 1-47945  
 Rudenko, A.I. *see* Arkhipov, V.I. 1-36451  
 Rudenko, S.I. *see* Popov, V.P. 1-32831  
 Rudenko, V.N. *see* Gusev, A.V. 1-40870  
 Rudenko, V.S., Romashko, V.Ya. Analysing the steady-state processes in the load of a converter by the superposition method 1-31336  
 Rudenko, V.V. *see* Gazdaika, B.P. 1-30554  
 Rudenok, I.P. *see* Kolesnikov, P.M. 1-37356  
 Rudge, A. *see* Cockerill, D. 1-43233  
 Rudge, A.W. *see* Browning, D.J. 1-41356  
 Rudgers, G.E. *see* Kugler, C.J., Jr. 1-28058  
 Rudiger, A., Schilling, R., Schnupp, L., Winkler, W., Billing, H., Maischberger, K. A mode selector to suppress fluctuations in laser beam geometry 1-37200  
 Rudin, E.B. Shielding the electrical distribution system 1-53068  
 Rudin, V.V. *see* Khamidullin, V.K. 1-42775  
 Rudish, R.M. *see* Hobbs, R.W. 1-48824  
 Rudish, R.M. *see* McVeigh, P.J. 1-51730  
 Rudisill, J.F., Lathrop, J.W. Residential load profiles for photovoltaic simulation studies 1-43599  
 Rudkin, A.M. Receiver measurements—how sensitive are they? 1-48226  
 Rudko, R.I. Mini transversely excited atmospheric (TEA) CO<sub>2</sub> lasers 1-28640  
 Rudko, R.I. *see* Drozdowicz, Z. 1-51345  
 Rudmin, J.W. *see* Destler, W.W. 1-48409  
 Rudnev, A.P. *see* Kanavets, V.I. 1-28871  
 Rudnev, V.N. *see* Yudov, M.F. 1-35128  
 Rudnik, S. Electrical equipment for PWR fuelling machines 1-35018  
 Rudoi, V.M., Nazarov, V.A., Levin, A.I. Impedance measurements at film-type electrodes 1-29957  
 Rudolf, J. *see* Krauth, H. 1-28390  
 Rudolf, T. *see* Makowiecki, D. 1-34500  
 Rudolf, T.K. *see* Leipuner, L.B. 1-43259  
 Rudolph, L.D. *see* Hartmann, C.R.P. 1-33549  
 Rudolph, M. Maximum load optimisation in the case of industrial consumers 1-43495  
 Rudolph, V. *see* Klein, W. 1-27712  
 Rudomen, B. *see* Liff, H. 1-37653  
 Rudrapatna, A.N. Evaluation of advanced switching technologies for integrated voice/data applications 1-41843  
 Rudy, L.N. *see* Kindrenko, F.G. 1-47454  
 Rudyk, V.D., Pyatin, S.I., Dryuchin, A.A. Phase measurements of intermittent sinusoidal voltages in limited overlap intervals 1-52508  
 Ruedisili, L.C. *see* Alther, G.R. 1-38921  
 Rueff, M., Schon, G. Quasiparticle dynamics in superconducting weak links 1-28356  
 Rueger, W.J. *see* Guzman, A.M. 1-40791  
 Ruehle, T. *see* Lewin, L. 1-28985  
 Ruehli, A.E. Survey of analysis, simulation and modeling for large scale logic circuits 1-45417  
 Ruehli, A.E. *see* Wolff, P.K., Sr. 1-46226  
 Ruela, J.A. *see* Halsal, F. 1-29439  
 Ruete, R.C. Connecting devices and techniques for medium voltage polymeric cable systems 1-43713  
 Ruetsch, C. Modern semiconductor devices in power electronics. II 1-31316  
 Ruetsch, C. Modern semiconductor components for power electronics. IV 1-40568  
 Ruetsch, C. Modern semiconductor devices in power electronics 1-53523  
 Ruey-Shi Chu *see* Shii-Shyong Wang 1-51731  
 Ruf, R. *see* Kateley, W. 1-39821  
 Rufenach, C.L., Alpers, W.R. Imaging ocean waves by synthetic aperture radars with long integration times 1-43445  
 Rufenach, C.L. *see* Alpers, W.R. 1-30558  
 Ruffer, E. *see* Bohme, J. 1-26856  
 Ruffer, L. An integrated circuit for selective tone dialling in radio stations 1-33924  
 Rufford, R. *see* Stinehelfer, J. 1-32291  
 Ruffray, J.-C. *see* DesCamps, B. 1-29891  
 Ruge, I., Schuler, M., Riedlberger, F. Cardiopathocord CPC 100—A new low cost system for long-term ECG surveillance of disordered action of the heart 1-48701  
 Ruge, I. *see* Tsien, P.H. 1-27929, 1-46055, 1-50761  
 Rugege, A.M. *see* Williamson, S. 1-44100  
 Ruger, K. Effective overload protection for electronic multimeters 1-52510  
 Ruger, V.B. Sharp lower and upper bounds for the probability space of the realisation of k lower n events 1-50156  
 Ruger, W. *see* Fischer, K. 1-33973  
 Ruggeberg, R. The new textcommunication services (Telefax, Bildschirmtext, Teletext) in the Federal Republic of Germany 1-29308  
 Ruggiero, A.G. *see* Neuffer, D. 1-43004  
 Ruggi, G. Introduction to cryptography theory. Principles of cyphering machines 1-47131  
 Rugila, G. *see* Cassidy, B.M. 1-45385  
 Rugina, I. The dynamic behaviour of the discrete-time systems used for transmission of random signals 1-37522  
 Rugina, V. *see* Ijac, Gh. 1-49451  
 Rugina, V. *see* Mihaileanu, C. 1-30671  
 Ruhl, H.-W. On a word-analysis procedure for reading-machines 1-47139  
 Ruhl, W., Brosson, P. Single longitudinal mode operation due to excessive gain suppression? A comparative study of laser structures with and without optical confinement 1-51469  
 Rühle, W. *see* Pfeifer, T. 1-31896  
 Rühle, W.W. *see* Brosson, P. 1-37120  
 Ruhnau, W., Schramm, H.H., Slamecka, E. New synthetic test circuit for testing high-voltage circuit-breakers with extra high short-circuit interrupting capacity 1-31378  
 Ruhnau, W., Schramm, H.H., Slamecka, E.J. New synthetic test circuit for testing high-voltage circuit-breakers with extra high short-circuit interrupting capacity 1-35302  
 Ruiter, H.M. *see* de Ruiter, H.M.  
 Ruiz, A. On the hardware implementation of a multi-processor environment for several DSP applications 1-41752  
 Ruiz, M.C. *see* Cobian, J.M. 1-49060  
 Ruiz-Medrano, C. Closa *see* Closa Ruiz-Medrano, C.  
 Rukhamkin, V. *see* Kovrov, A. 1-39066  
 Rule, A.R. *see* Barron, O.L. 1-44508  
 Rule, E.A. 'Winton' stereo tuner. I 1-38010  
 Rulf, B., Feldman, H. On plane wave propagation in composite dielectrics 1-51650  
 Rumanick, J.A., Easter, J.R., Campbell, L.A. Establishing goals and functions for a plant-wide disturbance analysis and surveillance system (DASS) 1-34993  
 Rumbold, J.G., Jackson, J.L. A new approach to calibrating for distance amplitude correction and ultrasonic inspection 1-35990  
 Rumisek, J. CKD diesel-electric locomotives DES 3100 for Iraq 1-31533  
 Rumland, R. A flicker free method of scanning for 'Super-8' film 1-38032  
 Rumma, K. *see* Kovrov, A. 1-39066  
 Rummel, F. *see* Kappelmeyer, O. 1-53295  
 Rummier, W.D. More on the multipath fading channel model 1-28907  
 Rumpel, D. The signalling terms in 15 German system control installations. A comparative review 1-41930  
 Rumpf, F. *see* Augustin, J.E. 1-43230  
 Rumpf, K.-H. Distance warning apparatus [automobiles] 1-29798  
 Rumsby, D., Ware, R.M., Whitaker, M. Growth of large indium phosphide crystals 1-39755  
 Rumsby, D., Ware, R.M., Whitaker, M. The growth and properties of large semi-insulating crystals of indium phosphide 1-27103  
 Rumsby, P.T. *see* Willi, O. 1-33301  
 Rumula Sode-Shinni Nmadu *see* Sode-Shinni Nmadu Rumula  
 Rumyantseva, T.M. The utilization of hydroenergy resources and hydroenergy projects abroad 1-53301  
 Run, A.M.J.G. Van *see* Van Run, A.M.J.G.  
 Runge, H. *see* Badalec, R. 1-38365  
 Runge, P.K. Future transatlantic fiber optical communication systems 1-42248  
 Rungaldier, W.J., Spizzichino, F. Bounds on optimal values and decisions in a sequential decision problem 1-44814  
 Rungis, J., Brown, D.E. Experimental study of factors affecting capacitance of high-voltage compressed-gas capacitors 1-34358  
 Runjin Gan *see* Gan Runjin  
 Runovc, F. Continuous model for gate-induced charge in short-channel MOSFET 1-50928

- Runov, F., Arnborg, T., Bjorkqvist, K. Experimental behaviour and two-dimensional simulations of MOS transistors in weak inversion region 1-50940
- Runtsch, E. *see* Greefe, K. 1-39075
- Runyon, S. Advanced test and measurement instrumentation 1-49860
- Ruoff, A.L. *see* Balasubramanyam, K. 1-50861
- Ruoff, H. *see* Komma, M. 1-52734
- Ruoss, E. Simulation of switching phenomena 1-34868
- Ruoss, E. *see* Ragaller, K. 1-30667
- Rupaal, A.S., Garnier, J.E., Bates, J.L. Dielectric breakdown of porous  $\text{MgAl}_2\text{O}_3$  1-46345
- Rupe, D.E., Syler, R.L., Weber, R.M. Acoustic filters for impact printers 1-28205
- Rupert, P.R. *see* Speck, D.R. 1-51409
- Rupp, G. Effect of strain in multifilamentary  $\text{Nb}_3\text{Sn}$  conductors up to 23 T 1-28311
- Rupp, G., Wohleben, K., Springer, E. Filament-size dependent critical current of multifilamentary  $\text{Nb}_3\text{Sn}$  conductors 1-51114
- Rupp, H.F. Technological trends of microelectronics in microwave systems 1-27621
- Rupp, L.W., Jr. Study of microwave self-detecting oscillators 1-45651
- Rupp, L.W., Jr. *see* Walsh, W.M., Jr. 1-45650
- Ruppel, W. An unambiguous radar-correlation concept with large pulse-duration ratio 1-33993
- Rupprecht, H. *see* Woodall, J.M. 1-32630
- Rupprecht, W. *see* Wilck, M. 1-49152
- Rupyshev, V.N. *see* Bogolubskii, V.A. 1-34111
- Rurukin, A.N. *see* Kozin, G.I. 1-37082
- Rurya, Y., Akashi, F., Murakami, S. A practical approach toward maximum likelihood sequence estimation for bandlimited nonlinear channels 1-47093
- Rusanov, S.Ya. *see* Andreev, A.Ts. 1-28478
- Rusanov, V.V. *see* Nazhestkina, E.I. 1-39703
- Rusch, R. *see* Burkhardt, H. 1-43210
- Rusch, W.V.T. *see* Chang, D.-C. 1-41366
- Ruschendorf, L. The equivalence of two node-conditions in bipartite graphs 1-35799
- Ruscheweyh, H., Vodicke, V. Systems for mixing partial air flows in a wet/dry cooling tower 1-30953
- Ruschkowski, E. *see* von Ruschkowski, E.
- Rusek, A. *see* Sokolowski, M. 1-35967
- Rush, C.M. HF propagation: what we know and what we need to know 1-46934
- Rush, C.M., Violette, E.J., Espeland, R.H., Carroll, J.C., Allen, K.C. Performance of VLF, LF, and MF telecommunication systems in a simulated Satellite Power System environment ascertained by experimental means 1-33351
- Rush, C.M. *see* Cohen, D.J. 1-52197
- Rush, J.D. *see* Ainslie, B.J. 1-36904
- Rushbrook Williams, S.J.C. *see* McNab, A. 1-34200
- Rushbrooke, J.G. The UA5 streamer chamber experiment at the SPS pp collider 1-43232
- Rushby, H. *see* Prance, R.J. 1-38486
- Ruske, G., Schotola, T. The efficiency of demisable segmentation in the recognition of spoken words 1-41591
- Ruskey, F. Listing and counting subtrees of a tree 1-35819
- Ruskov, T. *see* Asenov, S. 1-30387
- Russ, M. Envelope differentiator 1-34138
- Russ, M. Synth processor 1-34139
- Russ, M. TVC for synths [electronic music] 1-34140
- Russak, I.B. Convergence of the conjugate Gram-Schmidt method 1-35835
- Russel, P.G., Isaacs, H.S., Tseung, A.C.C., Srinivasan, S. Evaluation of  $\text{TiO}_2$ -glass composites as interconnector materials for solid oxide electrolyte fuel cells 1-35349
- Russell, A.P., Pickup, I.E.D. A general theory of the parametric reluctance motor 1-35146
- Russell, B.G.D. The economics of joint electricity and gas distribution. II 1-43566
- Russell, D.E. *see* Younse, J.M. 1-26958
- Russell, D.F., Lowe, P.J. Operational experience with class 56 freight locomotives 1-31561
- Russell, F.M. Levitation by magnetism: mind's eye or a locomotive for tomorrow? 1-31559
- Russell, G.J. *see* Pearsall, N.M. 1-50329
- Russell, J. Decentralized control systems [for electrical supply networks] 1-30736
- Russell, J. *see* Kashyap, R. 1-36894
- Russell, J.D. *see* Kress, C.E. 1-51030
- Russell, J.L. *see* Keefe, G.E. 1-36840
- Russell, M.C.B. Development of instrumentation for nondestructive testing 1-27197
- Russell, R.D., Watanabe, T. A proposal for a bridge method for the calibration of geomagnetic sensors 1-30534
- Russell, R.D. *see* Ascher, U. 1-35911, 1-39676
- Russell, R.J., Capp, P.O. A comparison of clad inlay gold, palladium, and palladium-silver contact alloys 1-32457
- Russell, T.J. *see* Carver, G.P. 1-46212
- Russell, T.W.F., Baron, B.N., Rocheleau, R.E. The need for photovoltaic unit operations experimentation 1-53683
- Russell, T.W.F., Dalal, V.L. The potential for thin-film photovoltaic cells 1-49680
- Russell, V. *see* Boah, J.K. 1-36576
- Russell, W. *see* Viswanathan, R. 1-41558
- Russig, W., Stollberg, H., Fattouh, M. Problems of electrical drives for industrial robots 1-53703
- Russo, J. *see* Buckley, R. 1-35621
- Russo, V. *see* Brenci, M. 1-48747
- Russu, E.V. *see* Akhmedov, D. 1-28731
- Rust, D. *see* Va'vra, J. 1-34427
- Rustagi, S.C., Chattopadhyaya, S.K. Emitter space charge layer transit time in bipolar junction transistors 1-36602
- Rustako, A.J., Jr. *see* Arnold, H.W. 1-37309
- Rusu, A. Step motor drive module 1-44127
- Rutenfranz, J. *see* Otto, H. 1-34559
- Ruterbusch, P.H., Zhuang, S.L., Yu, F.T.S. Progress report on archival storage of color films by a one-step rainbow holographic process 1-41162
- Ruterbusch, P.H. *see* Zhuang, S.L. 1-28789
- Ruth, R.D., Wang, J.M. Vertical fast blow-up in a single bunch 1-42981
- Ruth, R.D. *see* Terwilliger, K.M. 1-42787
- Ruth, R.P. *see* Zehr, S.W. 1-35386
- Ruthberg, S. Graphical solution for the back pressurization method of hermetic test 1-44679
- Ruths, J.M. *see* Ruths, P.F. 1-52442
- Ruths, P.F., Ashok, S., Fonash, S.J., Ruths, J.M. A study of Pd/Si MIS Schottky barrier diode hydrogen detector 1-52442
- Rutigiano, O. *see* Couyras, J.P. 1-50972
- Rutkowski, A.M. The Inter-Satellite Service—future shock for telecommunication policy makers 1-47596
- Rutkowski, J. *see* Rogalski, A. 1-51280
- Rutland, K. A profitable future for electrical appliances 1-39221
- Rutledge, S. *see* Gruebel, J. 1-52263
- Rutter, P. A new MNOS memory element—the tunnel diode 1-40611
- Ruttikay-Nedecky, P. *see* Burger, I. 1-50365
- Ruttonsha, R. *see* Clemente, S. 1-46137
- Rutz, R.F. *see* Chamberlain, S. 1-52465
- Rutz, W.L. *see* Mulligan, G.A. 1-34765, 1-43609
- Rutzel, D. *see* Ertelt, R. 1-29404
- Ruwe, V. *see* Geise, P. 1-26902, 1-27694
- Ruyter, C.F. Experimental communication network with glass fibre 1-51890
- Ruyven, L.J. *see* van Ruyven, L.J.
- Ruzek, W. *see* Bitterli, J. 1-31024
- Ruzhinskii, L.N. *see* Danko, V.G. 1-49422
- Ruzicka, R. Application of laser in acupuncture 1-34635
- Ruzinsky, M. Use of the diagram of complex capacitance for the determination of the inversion region in MIS structures 1-46004
- Ruzinsky, M., Saly, V., Dubnicka, M. The effect of temperature on the dielectric properties of polySi-SiO<sub>2</sub>-Si structures 1-27881
- Ruzinsky, M., Saly, V., Dubnicka, M. The influence of impinging light on the dielectric properties of polySi-SiO<sub>2</sub>-Si structures 1-36535
- Ryabchenko, V.E. *see* Budarnykh, V.I. 1-27106, 1-27748
- Ryaben'kii, V.M. Noncanonic harmonics of low-voltage stabilised converters 1-44219
- Ryaben'kii, V.M., Gordeev, B.N. Application of correlation functions to analysis of voltage quality of autonomous power systems using inverters 1-34864
- Ryaben'kii, V.M., Tistol, N.K. Noncanonical harmonics of a three-phase bridge rectifier with an asynchronous control system 1-53525
- Ryabov, V.M., Matveev, V.I. Calculation of the reflection coefficient for a spherical electromagnetic wave at a dielectric layer on metal 1-51618
- Ryabova, M.I. *see* Denisov, V.M. 1-30406
- Ryabova, R.V. *see* Dukhovnyi, A.M. 1-41163
- Ryabtsev, G.I. *see* Borisenko, V.E. 1-28728
- Ryall, P.J.C. Drilling rock on the deep-ocean floor 1-38575
- Ryan, C. Log amps for compression 1-36113
- Ryan, D.R., Chen, S. A comparison of three algorithms for finding fundamental cycles in a directed graph 1-31982
- Ryan, M.G. *see* McCrum, W.A. 1-29476
- Ryan, S.A. Digital remote switching: what's possible, practical 1-52033
- Ryan, T. MCCCCBBS [community college electronic bulletin board system] 1-51962
- Ryan, W.J. Information needs in US telephone industry regulation. A systems approach 1-51922
- Ryant, J. Some properties of AC controller 1-53517
- Ryashchikov, V.I. *see* Stroikovskii, A.K. 1-30322
- Ryazanov, A.V. *see* Bondarenko, A.V. 1-51546
- Rybakov, A.S. A code-to-time converter for pulsed laser ranging 1-29813
- Rybakov, B.S. Computer synthesis of a generally-Gaussian field model based on its amplitude and phase difference measurements 1-33305
- Rybakov, B.S. Signal phase correlation coefficient in the presence of correlated Gaussian noise with nonsymmetrical spectral density 1-41722
- Rybakov, B.S. Optimum detection of a class of random Gaussian pulsed signals in the presence of noise with a priori parametric uncertainty 1-47213
- Rybakov, V.G. *see* Alekseev, A.V. 1-52742
- Rybicki, K. *see* Damerell, C. 1-38450
- Ryce, S. *see* Avery, R. 1-42826
- Rychik, O.V. *see* Badikov, V.V. 1-28422
- Rychkov, A.A. *see* Boitsov, V.G. 1-46351
- Rychtera, M. Forecasting atmospheric and operational degradation of materials and spare parts in the electrical industry 1-30776
- Ryckewaert, G. *see* Jongen, Y. 1-43187
- Rydbek, N. *see* Anderson, J.B. 1-29062, 1-33527
- Rydbek, N. *see* Aulin, T. 1-29064
- Rydel, M. Characteristics of transmission codes for optical fibre communication systems 1-29757
- Ryding, G., Farley, M. A new dose control technique for ion implantation 1-38367
- Rydlo, S. *see* Kollar, K. 1-41485
- Rydwansky, F.C., Jr. *see* Braun, J.A. 1-44702
- Rydz, R. *see* Slavik, I. 1-31312
- Ryen, N. *see* Eriksrud, M. 1-33074
- Ryff, P.F. Eddy current losses in cylindrical arc furnace shells 1-44490
- Ryff, P.F., Bulat, V. Induced heating in steel-beam reinforced ceilings over three-phase transformer delta closures 1-35237
- Ryff, P.F., Bulat, V. Carbon steel versus stainless steel in the design of electrode arms for UHP electric arc furnaces 1-44489
- Rykalin, V.I. *see* Baldin, B.Yu. 1-34484
- Rykalin, V.I. *see* Vasil'chenko, V.G. 1-50731
- Rykhinskaya, S.I. *see* Gotra, Z.Yu. 1-42417
- Rykov, G.A. *see* Vdovin, Yu.A. 1-32087
- Rykov, V.A. *see* Markus, A.M. 1-52619
- Rykov, V.V. *see* Kitaev, M.Yu. 1-39505
- Ryley, J.F., Jr. *see* Woods, J.G. 1-33069
- Ryliik, A.S. *see* Brandt, N.B. 1-32646
- Rylov, V.S. *see* Blokhin, A.A. 1-36975
- Ryl'tsov, V.V. *see* Buklei, A.E. 1-30325
- Ryman, I.G. Advanced aerial film processing system for long range reconnaissance 1-48903
- Rymer, J.E. Managing the process—the easy way to improve profits 1-31808
- Rynkowski, A.W. A new sample configuration for short-time and endurance tests of extruded insulation 1-27198
- Rynkowski, A.W. Short-time AC breakdown characteristics of polyethylene aged under multistress conditions 1-34883
- Rynkowski, A.W. Short-time AC breakdown characteristics of polyethylene aged under multistress conditions 1-38759
- Rypdal, K. On the coupled-mode theory for ducted waves 1-33380
- Rypdal, K. A possible ionospheric wave-mixing experiment 1-51607
- Rysanek, V. The measurement of small ohmic nonlinearities and their application for the prediction of component reliability 1-50039
- Rysavy, J. Transfer functions of passive RC equaliser networks 1-40093
- Ryschon, K.L. *see* Nolle, F.M. 1-48727
- Rysell, H., Iberl, H., Bleier, M., Prinke, G., Habberger, K., Kranz, H. Arsenic-implanted polysilicon layers 1-27782
- Rysell, H. *see* Gotzlich, J. 1-32739
- Rysell, H. *see* Takai, M. 1-32753
- Rysell, H. *see* Tsien, P.H. 1-27929, 1-46055, 1-50761
- Rytz-Froidevaux, Y., Salathe, R.P., Gilgen, H.H. Laser-initiated metal deposition on GaAs substrates 1-45123
- Rytz-Froidevaux, Y. *see* Gilgen, H.H. 1-33125
- Rykin, A.A. *see* Danilov-Danilyan, V.I. 1-30864
- Rykin, B.S. *see* Elyukhin, V.A. 1-28732
- Rykin, E.L. *see* Krivosheev, M.I. 1-47804
- Ryzhkin, V.Ya., Tsanev, S.V., Sarvate, S.S. Optimising the distribution of regenerative water heating in turbines running on saturated steam with external separation and two stages of interstage superheat 1-35036
- Ryzhov, Yu.P., Fedchenko, V.G. A twin reactor as a means of limiting the nonsinusoidal shape of voltages in electric mains 1-38815
- Ryzin, J. *see* Van Ryzin, J.
- Rzad, S.J., Devins, J.C., Schwabe, R.J. Prebreakdown events and breakdown involving solid-liquid interfaces 1-36703
- Rzepecki, R.M. Static protection for electronic components 1-50021
- Rzhevskii, S.V. Closed mappings in unconstrained minimization problems for convex functions 1-50226
- Sa, A.de *see* de Sa, A.
- Sa, M. *see* de Sa, A.
- Sa, M. *see* de Sa, A.
- Saad, A.M.K., Schunemann, K. A rectangular waveguide equivalent for bilateral and unilateral fin-lines 1-46985

- Saadawi, T., Ephremides, A. Analysis, stability, and optimization of slotted ALOHA with a finite number of buffered users 1-29245
- Saadawi, T. *see* Ephremides, A. 1-33712
- Saadawi, T.N., Ephremides, A. Analysis, stability, and optimization of slotted ALOHA with a finite number of buffered users 1-41840
- Saadawi, T.N. *see* Atiya, F.S. 1-27515
- Saari, D.P., Smyth, R.R., Marksberry, C.L., White, L.R. Development of the high temperature air heater for open cycle MHD 1-31147
- Saari, V.R. *see* Marsh, D.G. 1-52006
- Saarninen, T. *see* Saramaki, T. 1-36279
- Saarivirta, J. *see* Flora, R. 1-42830
- Saaroni, R. *see* Kaplan, B.-Z. 1-45316
- Saas, A. *see* Kalet, M. 1-32253
- Saathoff, D.J. *see* Venkatesetty, H.V. 1-39105
- Saavedra, O. *see* Badino, G. 1-48611
- Sabadash, A.M. *see* Rogal', V.F. 1-36013
- Sabaneeva, G.I., Lobanov, Yu.V. Topological method for formation of analog models of electric circuits with rectifiers 1-31329
- Sabanovic, A., Izosimov, D.B. Application of sliding modes to induction motor control 1-38986
- Sabatier, A. The concept-systems of intel: the iSBX and 'multimodes' 1-40630
- Sabatier, A. Intel system concepts: the industrial controller SBC 88/40 1-48008
- Sabatier, J. *see* Kretz, F. 1-47790
- Sabatino, F.R. *see* Mitchell, W.J. 1-44451
- Sabbagh, J.A. Design and optimization of 100 MW closed cycle gas turbine solar power plant for arid land area 1-49303
- Sabbah, H.N., Marzilli, M., Stein, P.D. Ultraminiature strain gauge transducer for assessing regional intramyocardial pressure 1-43282
- Sabersky, A.P. Optical beam diagnostics on PEP 1-42911
- Sabersky, A.P., Donald, M.H.R. Modes on a short SPEAR bunch as observed with a streak camera 1-42990
- Sabia, R. *see* Mitchell, D.M. 1-32432
- Sabin, A. *see* Sfichi, R. 1-49851
- Sabine, P.V.H. *see* Irving, D.H. 1-28444
- Sablatah, M., Storey, J.R. Design of a product code for improving the range and quality of the Canadian broadcast Telidon system 1-29412
- Sablin, V.K., Fedoseev, V.I., Khrustaleva, L.V. On one two-step search algorithm in dissector systems 1-38144
- Sablin, V.K. *see* Fedoseev, V.I. 1-47999
- Sabnis, S.G., Pawar, S.H. Electroluminescence of  $\text{CaSO}_4$ :Sm phosphors 1-28573
- Sabol, B., Schery, S.D. Advantages of  $\text{CaF}_2$  over ZnS in an  $\alpha$ -particle scintillation detector 1-52701
- Sabri Abd-El-Aziz *see* Abd-El-Aziz Sabri
- Sabuni, H. *see* Nelson, J.K. 1-36707
- Sacchetti, N. *see* Annaratone, B. 1-28302
- Sacchetti, R. *see* Ambrosini, M.L. 1-53426
- Sacco, G.M. *see* Denning, D.E. 1-51951
- Sacco, V. *see* Giuli, D. 1-48835
- Sacerdoti, G. *see* Bartoletti, C. 1-38735
- Sachdev, D.K. Satellite communication technology—challenges for the 1980s 1-52082
- Sachdev, M.S. *see* Billinton, R. 1-43564
- Sachdeva, S.S. Bibliography on optimal reservoir drawdown for the hydroelectric-thermal power system operation 1-35090
- Sachelarie, D., Dragan, M., Stoica, M., Sachelarie, M. Radiation effects of fast neutrons in silicon diffused detectors 1-45984
- Sachelarie, D., Sachelarie, M., Bazu, M. The high frequency analysis of the gold-doped MOS capacitor 1-27872
- Sachelarie, M. *see* Sachelarie, D. 1-27872, 1-45984
- Sacher, E. The determination of trace contaminants in polymers [electric insulating materials] 1-28179
- Sacher, R.R. *see* Landstorfer, F.M. 1-41325
- Sachs, F. Solid-state imaging systems 1-47936
- Sachs, F., Specht, P. Fast microelectrode head-stage for voltage clamp 1-32386
- Sachs, G. *see* von Olshausen, R. 1-28141
- Sachs, N. *see* Eldumiani, I. 1-46235
- Sachse, W. *see* Yamanouchi, K. 1-38618
- Sachwitz, M. *see* Deiters, K. 1-30336
- Sack, H. Panel instruments become systems-compatible 1-34309
- Sackman, G.L., Shelf, S.C. The use of phase difference trace functions for bearing estimation with small circular arrays 1-41658
- Sacks, R.A., Arnold, R.C. Computation of intrabeam charge exchange rate 1-43093
- Sacks, R.A., Colton, E.P. Improvements to PARMILA 1-42988
- Sacks, R.A. *see* Watson, J.M. 1-48559
- Sada, E., Lucchini, P. A new, microprocessor based, digital electrocardiograph 1-52779
- Sadana, D.K. *see* Grimaldi, M.G. 1-50276
- Sadasiv, G. *see* Kuklinski, W.S. 1-51007
- Sadecky, B. *see* Molis, Z. 1-38642
- Sadhu, M. *see* Biswas, B.N. 1-36343
- Sadiq, M.M., Weaver, C. Self-healing breakdown in NaCl epitaxial capacitors 1-45807
- Sadjadi, F.A., Hall, E.L. The performance evaluations of the correlations of digital images—using figures of merit 1-48893
- Sadjadi, F.A. *see* Hall, E.L. 1-47206
- Sadjadi, M.R. Azimi *see* Azimi Sadjadi, M.R.
- Sadkowski, M. Magnetic inductive method of measurement of periodic mechanical vibration amplitude 1-38159
- Sadler, A. *see* Kelly, F. 1-52450
- Sadler, M.A., Bates, J.C., Mills, G.R. Application of a Triobed condensate polishing plant at Fawley Power Station, including operation in the ammonium form 1-49269
- Sadoulet, B. Fundamental processes in drift chambers 1-38434
- Sadovo, Yu.S. *see* Kramar, M.S. 1-49751
- Sadowska, M.M., Kuh, E.S. A new approach to two-layer routing 1-46232
- Sadykhov, R.H. *see* Chegol, P.M. 1-39244
- Saedtler, E. Automation of reactor monitoring systems by means of pattern recognition techniques 1-30945
- Saegusa, T., Murase, H., Suzuki, Y., Aiura, T. An automatic zero-phase detector using variable resistance characteristics of MOS-FET 1-39991
- Saeks, R., Liu, R. Fault diagnosis in electronic circuits [survey] 1-39358
- Saeks, R. *see* Wu, C.-c. 1-50379
- Saeks, R.E. *see* Karmokolias, C. 1-36653
- Saemann-Ischenko, G. *see* Nolscher, C. 1-40847
- Saenz, J.A. *see* Bradley, D.J. 1-38132
- Saenz, J.A. *see* Davis, G.T. 1-30002
- Saenz, J.A. *see* Kummer, D.A. 1-27762
- Saez, J.L. *see* Sanchez, J.A. 1-26880
- Safa, M.M.A. *see* Rahim, A.H.M.A. 1-49421
- Safacas, A. *see* Jawassoglou, K. 1-32159
- Safak, M. *see* Yazgan, E. 1-41319
- Safavi-Naini, R., Macphie, R.H. On solving waveguide junction scattering problems by the conservation of complex power technique 1-28956
- Safuulina, S.S. *see* Nesterova, Z.V. 1-28786
- Safonov, A.S. *see* Bezruk, I.A. 1-34704
- Safonov, L.P. *see* Vodichev, V.I. 1-30909
- Safonov, N.A. *see* Khakimov, A.N. 1-53825
- Safonov, N.T. *see* Lyubarskii, V.G. 1-31210
- Safonov, V.A., Dovgan', A.A. Switching synchronous detector 1-36157
- Safranek, M. Utilisation of heat losses of large power transformers 1-31278
- Safrankova, J. *see* Kordos, P. 1-49676, 1-51268
- Safronnikov, S.A. *see* Okhotin, V.N. 1-35059
- Safronov, G.S., Torkatyuk, M.T. Reconstruction of images from holograms recorded in the presence of additive random processes 1-33294
- Safroshkin, Yu.V. Automatic range-switching converters (review) 1-27571
- Safta, I. Matching complementary transistors 1-36606
- Sagabe, H. *see* Mori, S. 1-33811
- Sagan, J. *see* Hood, J. 1-42082
- Sagar, G.S., Sutton, A.J. System correction of alpha-particle-induced uncorrectable error conditions by a service processor 1-33489
- Sagara, S. *see* Kosugi, K. 1-39228
- Sagawa, M., Yamagishi, W., Henmi, Z. Temperature-sensitive Nd-Co compounds produced by powder metallurgy 1-45131
- Sagayama, S., Itakura, F. Composite sinusoidal modeling applied to spectral analysis of speech 1-33582
- Sage, I. Recent advances in liquid crystal materials 1-28537
- Sager, G.S. *see* Bossen, D.C. 1-33488
- Saghri, J.A., Tescher, A.G. An iterative image enhancement procedure with dynamic range constraints 1-37649
- Sagisaka, Y. VCV compilation speech synthesis using prosodic elements extracted from original speech 1-47156
- Saguet, P., Pic, E. The rectangular mesh and the variable-size mesh process in the two-dimensional TLM method 1-28955
- Sah, C.T. *see* Sun, Y.C. 1-46025
- Sah, R.C. A beam-beam simulation for the single-pass collider 1-48514
- Sah, R.C. *see* Lauritzen, T. 1-48276
- Saha, A.R., Mazumder, B.C. A digital phase-locked loop for generating frequency discriminating codes and frequency multiplication 1-27364
- Saha, B. *see* Sen, A.K. 1-33343
- Saha, G.M. *see* Dey, A. 1-39537
- Saha, H. Design of a photovoltaic electric power system for an Indian village 1-53636
- Saha, N. *see* Tripathy, S.C. 1-38666
- Saha, R.K., Boriotti, J.R. Truncation and round-off errors in computation of matrix exponentials 1-27055
- Saha, S.K. Phase matched field-induced second-harmonic generation in cholesteric liquid crystals 1-41142
- Saha, T.N. *see* Majumdar, B. 1-34822
- Sahasrabudhe, S.C. *see* Kekre, H.B. 1-27073, 1-44773
- Sahay, A.A. Conversion from coal and diesel oil energy to electricity in energy needs of railway transportation of Indian Railways 1-53737
- Sahinoglu, M. *see* Patton, A.D. 1-38694, 1-43541
- Sahni, A.M. *see* Baliga, C. 1-43670
- Sahni, O., Aboelfotoh, M.O. The pressure dependence of the bistable voltage margin of an AC plasma panel cell 1-42683
- Sahni, O., Alt, P.M., Dove, D.B., Howard, W.E., McClure, D.J. Device characterization of an electron-beam-switched thin-film ZnS:Mn electroluminescent faceplate 1-41026
- Sahni, O., Howard, W.E., Alt, P.M. Optical switching in thin film electroluminescent devices with inherent memory characteristics 1-37044
- Sahni, O., Lanza, C. Failure of Paschen's scaling law for Ne-0.1% Ar mixtures at high pressures 1-27744
- Sahni, O. *see* Aboelfotoh, M.O. 1-42684
- Sahni, S. *see* Nassimi, D. 1-33798
- Sahu, S. *see* Chaudhan, R.C. 1-30628
- Saic, S. *see* Havel, J. 1-33679
- Saichev, A.I. Causal formulation of the problem of backscattering from a layer of a randomly inhomogeneous medium 1-33328
- Saichev, A.I. Statistical analysis of linear stochastic boundary-value problems by the method of reduction to a Cauchy problem 1-51582
- Saichev, A.I. Analysis of backscattering in a turbulent medium, with allowance for multiple scattering in the direction of propagation in the diffusion approximation 1-51587
- Saïda, H. *see* Ogirima, M. 1-32877
- Saidov, A.S. *see* Benin, V.L. 1-43808
- Saidov, R. *see* Bedilov, M.R. 1-46716
- Saifiev, R.Z. *see* Selyanenko, V.N. 1-35538
- Saiga, N., Yamanaka, S., Suzuki, T. Ultrasound receiving system employing a monolithic transducer with a two-dimensional array of electrodes 1-52962
- Saigal, R. *see* Kojima, M. 1-44992
- Saïkan, S., Sei, J., Kiguchi, M. Modified double-grating grazing incidence pulsed dye laser 1-46705
- Saïkan, S., Wakata, H. Configuration dependence of optical filtering characteristics in backward nearly degenerate four-wave mixing 1-37214
- Saiki, D.Y. *see* Ju, K. 1-51096
- Sailesh Krishnarao, I. Software for nonlinear analysis of op-amp RC circuits under large sinusoidal excitations 1-39873
- Saillard, J., Chassay, G. Recognition of isotropic plane target from RCS diagram 1-37951
- Saillard, J., Chassay, G. Original method of analysis of radar cross section diagram of target for recognizing its shape 1-52122
- Sain, M. *see* Chowdhary, S.N.R. 1-46873
- Saini, S.P.S. *see* Maclean, T.S.M. 1-47008
- Saïnkär, S.R., Badrinarayanan, S., Sinha, A.P.B., Date, S.K. X-ray photoelectron spectroscopic studies on  $\text{SnO}_2\text{-Sb}_2\text{O}_3$  varistors 1-50629
- St.-Jean, G., Latour, Y., Roy, M., Ostiguy, J.F. Experimental determination of the durability of HV arresters 1-30814
- St. Cyr, R.A. *see* Tanski, W.J. 1-36744
- St. Jacques, A. *see* Srinivasan, K. 1-48956
- St. Lorant, S.J. *see* Seely, M.L. 1-43165
- St. Louis, J., Thumm, M., Ribot, P., Gale, G.N. Low cost chip carriers for the 1980s 1-44715
- St. Peter, E. *see* Currence, R. 1-32486
- St. Peter, E. *see* Reyes, W. 1-45756
- Saint Simon, M. *de see* de Saint Simon, M.
- Saint-Arnaud, R. *see* Jordan, I.B. 1-36706
- Sainz, A.J., Roberts, V.C. Signal-to-noise enhancement in Doppler ultrasound systems 1-52766
- Sainz, A.J. *see* Roberts, V.C. 1-43387
- Saissy, A. Stimulated Raman scattering of an infra-red wave at  $1.06 \mu\text{m}$  in an optical fiber 1-28776
- Saisyu, K., Sato, K., Onodera, R. Comments on 'Computer generation of trees and co-trees in a cascade of multiterminal networks' 1-45161
- Saito, H., Suzuki, S. New desk-top recorders—disposable felt pen recorder and heat-sensitive inkless recorder 1-42660
- Saito, H. *see* Kanemaru, K. 1-49114
- Saito, H. *see* Yatagai, T. 1-51860
- Saito, J. *see* Takenaka, T. 1-47318
- Saito, K., Kuwa, S., Koyama, I., Azuma, T., Kimura, S. Power factor and higher harmonic currents of the electric power system for a high power three phase AC electrified Automated Guideway Transit 1-49010
- Saito, K., Moriuchi, S. Monte Carlo calculation of accurate response functions for a Nai(Tl) detector for gamma rays 1-48601
- Saito, K., Wada, T. Analysis of equivalent circuits of ceramic transformers and its step-up characteristics for driving frequencies 1-40255
- Saito, K. *see* Akiya, H. 1-27952
- Saito, K. *see* Aoki, Y. 1-37662
- Saito, K. *see* Nakano, K. 1-41925
- Saito, K. *see* Nakaya, S. 1-42708
- Saito, K. *see* Shimizu, I. 1-46608
- Saito, M., Abe, T. Computer aided system using a graphic display for planning of artificial lighting and daylighting in an interior 1-31655
- Saito, M. *see* Ikeda, K. 1-43288
- Saito, M. *see* Nishizawa, J. 1-39772
- Saito, M. *see* Takei, T. 1-52114
- Saito, N. *see* Kataoka, T. 1-44548
- Saito, N. *see* Takamizawa, K. 1-27000

- Saito, S., Eguchi, M.** Applications of optical-fiber transmission to computer-network systems 1-52112
- Saito, S., Hashimoto, K., Uchida, Y., Endo, N.** N-channel MNOS EARM for TV electronic tuning system 1-46314
- Saito, S., Obara, M., Fujioka, T.** Computer simulation of CW 16- $\mu$ m CO<sub>2</sub> gasdynamic laser 1-51324
- Saito, S., Obara, M., Fujioka, T.** Theoretical characteristics of 16- $\mu$ m CO<sub>2</sub> gasdynamic laser 1-51355
- Saito, S., Yamamoto, Y.** Direct observation of Lorentzian lineshape of semiconductor laser and linewidth reduction with external grating feedback 1-33231
- Saito, S.** *see* Kaneko, E. 1-52233
- Saito, S.** *see* Nilsson, O. 1-51450
- Saito, S.** *see* Okoshi, T. 1-33027
- Saito, S.** *see* Yamamoto, Y. 1-33232
- Saito, T.** Development trends of computer networks in Japan 1-29441
- Saito, T., Inose, H., Yanaka, K.** DPCM variable length coding system for image using bifix-free pattern 1-41822
- Saito, T., Okuno, M., Akiyama, K.** On the development of high strength and heat resistant aluminum conductor alloy MSTAL 1-32085
- Saito, T., Sakurai, T., Yumoto, K., Tamura, T., Seto, M., Hayasaka, T., Aoyama, I.** Magnetometers for geophysical use. II. Test of twelve kinds of ring core 1-34692
- Saito, T., Uehara, T., Kawato, N.** A CAD system for logic design based on frames and demons 1-45425
- Saito, T.** *see* Kaneko, S. 1-49688
- Saito, T.** *see* Matsuoka, N. 1-43201
- Saito, T.** *see* Motoyama, S. 1-47500
- Saito, T.** *see* Ogino, N. 1-41848, 1-47280
- Saito, T.** *see* Shin, K. 1-52688
- Saito, Y., Furuya, S., Sugawara, H., Asano, Y., Kato, S.** Coaxial line with the highest electrical length stability 1-32433
- Saito, Y.** *see* Akiyama, S. 1-43287
- Saito, Y.** *see* Igarashi, M. 1-34959
- Saito, Y.** *see* Oda, S. 1-46619
- Saito, Y.** *see* Suzuki, T. 1-33257
- Saitoh, H.** *see* Watanabe, T. 1-33960
- Saitoh, K., Akiyama, H., Munezawa, K., Nishihara, H., Hashi, K.** A large size routing switcher for television broadcasting stations 1-37994
- Saitoh, S., Ishiware, H., Furukawa, S.** Formation of a double-hetero Si/CoSi<sub>2</sub>/Si structure using molecular beam and solid phase epitaxies 1-40452
- Saitoh, S.** *see* Watanabe, A. 1-40779
- Saitoh, T.** *see* Matsubara, S. 1-44366
- Saitto, A.** *see* De Vincenti, P. 1-33389
- Sajgalik, P.** *see* Pavlik, J. 1-27238
- Saji, Y.** *see* Iwata, A. 1-35196
- Sajin, G.** Ferrite behaviour at very high frequencies 1-28229
- Sajin, G.** Professional achievement of microwave circulator 1-32397
- Sajin, G.** Stripline circulators in a band of 1.1 GHz 1-45602
- Sajjad, M.I., Nazir, M., Qureshi, M.H.** Thickness measurement of storage vessels using ultrasonics 1-45138
- Sajjad, M.I.** *see* Beg, M.A. 1-48840
- Sakabe, S., Mori, N., Sato, K., Miyake, Y., Tanaka, A.** Development of extremely-low-sag Invar reinforced ACSR (XTACIR) 1-38770
- Sakabe, S., Mori, N., Sato, K., Miyake, Y., Tanaka, A.** Development of extremely-low-sag Invar reinforced ACSR (XTACIR) 1-38782
- Sakabe, S., Takatsuki, H.** Additional losses and commutation voltages in commutator machines with massive armature conductors and different heights of the upper- and lower layer 1-35179
- Sakagami, I., Suzuki, M., Miki, N., Nagai, N., Hatori, K.** A study on multi-element distributed coupled-line constant-resistance network with frequency multiplication characteristics 1-40199
- Sakagami, I.** *see* Suzuki, M. 1-45539, 1-46979
- Sakaguchi, H., Seki, N., Yamamoto, S.** Power coupling from laser diodes into single-mode fibres with quadrangular pyramid-shaped hemiellipsoidal ends 1-36872
- Sakaguchi, H., Seki, N., Yamamoto, S.** High efficiency coupling from laser diodes into single-mode fibres with quadrangular pyramid-shaped hemiellipsoidal ends 1-36929
- Sakaguchi, J.** *see* Yamakido, K. 1-33870, 1-52005
- Sakaguchi, S.** *see* Kimura, T. 1-40917
- Sakaguchi, T., Kurahashi, Y., Takawashi, T., Yoshida, K., Daimaru, T.** Advanced wire-cut EDMs 1-44550
- Sakaguchi, T.** *see* Takagi, T. 1-30826, 1-34963
- Sakaguchi, T.** *see* Yamakoshi, Y. 1-53128
- Sakai, A.** Current status of coal-fired power plants and Hitachi's role 1-43888
- Sakai, H.** Asymptotic distribution of the order selected by AIC in multivariate autoregressive model fitting 1-27056
- Sakai, H., Miyamoto, S., Sokei, H., Iida, T., Ichikawa, M.** Development of a Saticon single color pickup tube for a color TV camera 1-45868
- Sakai, H.** *see* Mori, T. 1-38705
- Sakai, J.** *see* Machida, S. 1-46503
- Sakai, K., Tanaka, F., Noda, Y., Matsushima, Y., Akiba, S., Yamamoto, T.** Transverse mode controlled InGaAsP/InP lasers at 1.5  $\mu$ m range with buffer-layer loaded plano-convex waveguide (BL-PCW) structures 1-41093
- Sakai, K.** *see* Kasahara, K. 1-42694
- Sakai, K.** *see* Matsushima, Y. 1-46640
- Sakai, K.** *see* Noda, Y. 1-28712, 1-41096
- Sakai, K.** *see* Watanabe, M. 1-42822
- Sakai, K.** *see* Yanagisawa, T. 1-52547
- Sakai, S., Aoki, T., Tobe, M., Umeno, M.** Simplified dual channel optical transmission using integrated light emitters and photodetectors 1-29751
- Sakai, S., Tatenko, H.** Static characteristic of a new quasiparticle injected superconducting weak link device 1-46467
- Sakai, S., Tsukasa, F., Himizu, K.** Development of K268A data recorder 1-52409
- Sakai, T.** High performance bipolar transistor-SET 1-27999
- Sakai, T., Kobayashi, Y., Yamauchi, H., Sato, M., Makino, T.** High speed bipolar ICs using super self-aligned process technology 1-46287
- Sakai, T., Yamamoto, Y., Kobayashi, Y., Kawarada, K., Inabe, Y.** A 3 ns 1 Kb RAM using super self-aligned process technology 1-28099
- Sakai, T.** *see* Ariki, Y. 1-47251
- Sakai, T.** *see* Inagaki, K. 1-50522
- Sakai, T.** *see* Inui, N. 1-40013
- Sakai, T.** *see* Ito, T. 1-32917
- Sakai, T.** *see* Nakagawa, S. 1-33583, 1-47158
- Sakai, T.** *see* Takada, T. 1-30222
- Sakai, T.** *see* Yumoto, M. 1-28148
- Sakai, Y., Ando, T.** Thyristor Leonard speed control system for DC elevators 1-44430
- Sakai, Y., Brown, B.C., Finley, D., Hanson, J., Hemi, Y., Ito, A., Jostein, H., Maki, A., Sugano, K.** Longitudinal shower development in a lead-scintillator calorimeter as a tool to separate pions and electrons at 10-50 GeV energies 1-34448
- Sakai, Y.** *see* Hanson, J. 1-34445
- Sakai, Y.** *see* Minato, O. 1-27470
- Sakaki, H., Sekiguchi, Y., Yokoyama, K.** Ion-beam-induced-current (IBIC) monitoring of uniform and selective ion-etching processes in layered structures [and application to grating fabrication] 1-50884
- Sakaki, Y., Imagi, S.** Relationship among eddy current loss, frequency, maximum flux density and a new parameter concerning the number of domain walls in polycrystalline and amorphous soft magnetic materials 1-40780
- Sakakibara, I.** *see* Takeuchi, M. 1-42022
- Sakakibara, K.** *see* Haraga, K. 1-50002
- Sakakima, H.** *see* Yanaguchi, Y. 1-32976
- Sakalas, A.** *see* Hoschl, P. 1-50780
- Sakalas, A.** *see* Januskevicius, Z. 1-45965
- Sakalay, F.E.** Programmable frequency divider 1-45386
- Sakamoto, H.** *see* Harada, K. 1-45266
- Sakamoto, H.** *see* Mamon, M. 1-44239
- Sakamoto, H.** *see* Yamada, T. 1-51131
- Sakamoto, M.** *see* Wada, T. 1-27471
- Sakamoto, N.** *see* Chiba, T. 1-46369
- Sakamoto, S., Kuwabara, N., Tanaka, T.** New sewage pump technology 1-44573
- Sakamoto, S.** *see* Fujii, T. 1-40298
- Sakamoto, T., Tanikawa, T.** Improved video switching and control equipment (AO-3, AF-7) for television relay network 1-42412
- Sakamoto, Y., Hosokawa, K., Kojima, K., Takaoka, M., Numajiri, F.** Development of 500 kV DC self-contained oil-filled cable 1-34885
- Sakamoto, Y., Hosokawa, K., Kojima, K., Takaoka, M., Numajiri, F.** Development of 500 kV DC self-contained oil filled cable 1-43696
- Sakamoto, Y.** *see* Ninomiya, S. 1-48464
- Sakamura, Y.** *see* Kanemasa, A. 1-41746
- Sakane, S., Tamura, H.** An overview of image processing algorithms. III. Edge and line detection 1-41798
- Sakasai, Y.** *see* Shimamura, K. 1-52264
- Sakashita, T.** *see* Kinoshita, H. 1-45980
- Sakata, H.** *see* Kawasaki, Y. 1-38763
- Sakata, H.** *see* Noguchi, S. 1-45939
- Sakata, K.** *see* Sonoda, K. 1-28183
- Sakata, M.** *see* Kawasumi, I. 1-32052
- Sakata, M.** *see* Ogura, H. 1-51955
- Sakata, S.** On determining the independent point set for doubly periodic arrays and encoding two-dimensional cyclic codes and their duals 1-33565
- Sakaue, K., Tamura, H., Takagi, M.** An overview of image processing algorithms. II. Application of relaxation techniques 1-41797
- Sakaue, K.** *see* Ogura, M. 1-41033
- Sakaue, M., Tamama, T., Mizushima, Y.** Plasma-coupled bipolar linear image sensor 1-38130
- Sakaue, M.** *see* Tamama, T. 1-40584
- Sakaue, T.** *see* Nagashima, Y. 1-28120
- Sakauye, G., Lubi, A., Royle, J., Epplert, R., Twidale, J., Shew, E., Atfield, E., Brglez, F., Wilcox, P.** A set of programs for MOS design 1-46333
- Sakavori, M.** *see* Kageyama, K. 1-50700
- Sakawa, M.** Optimal reliability-design of a series-parallel system by a large-scale multiobjective optimization method 1-44745
- Sakawa, M., Sasakura, T.** Interactive multiobjective decision making: SPOT 1-27050
- Sakemi, J.** *see* Kozawa, T. 1-46251
- Sakharov, A.M.** The effect of size and design of blade tip seals on the efficiency of the high-pressure cylinder of high-capacity steam turbines 1-31032
- Sakharov, V.P.** *see* Vasiliev, V.V. 1-48466
- Sakharov, V.V.** *see* Grosheva, L.A. 1-32088
- Sakhno, K.S., Kafedzhieva, S.D., Konov, N.P.** Immersible electric heaters 1-49799
- Sakino, E.** *see* Takami, I. 1-26972
- Sakmann, W.H.** *see* Panicia, A.E. 1-30083
- Sakr, M.F.** *see* Saleh, M.A. 1-49645
- Sakrison, D.J.** *see* Anastassiou, D. 1-41460
- Saks, N.S.** Charge transfer in a p-surface channel CCD as a function of bias charge 1-32824
- Sakshaug, E.C.** Design and characteristics of distribution surge arresters 1-49186
- Sakshaug, E.C.** *see* Burke, J.J. 1-30815
- Sakudo, N., Tokiguchi, K., Koike, H., Kanomata, I.** High-current ion implanter for industrial use 1-38391
- Sakudo, N.** *see* Tokiguchi, K. 1-46059
- Sakuma, S.** *see* Tominaga, S. 1-35304, 1-39100
- Sakuma, S.** *see* Yoshinaga, K. 1-53582
- Sakuraba, I.** *see* Takai, S. 1-46544
- Sakuragi, T.** *see* Yamaguchi, H. 1-30607
- Sakurai, H.** *see* Hirao, T. 1-45396
- Sakurai, H.** *see* Horiba, Y. 1-32315
- Sakurai, J., Kawamura, S., Mori, H., Nakano, M.** Lateral epitaxial growth in poly-Si film over SiO<sub>2</sub> from single-Si seed by scanning CW Ar laser annealing 1-27130
- Sakurai, K.** *see* Ishihara, S. 1-51858
- Sakurai, T., Iwata, Z., Shimizu, M., Fujisaki, Y., Furusawa, H.** 275 kV self-contained oil-filled cable insulated with polyethylpentene laminated paper 1-34887
- Sakurai, T., Iwata, Z., Shimizu, M., Fujisaki, Y., Furusawa, H.** 275 kV self-contained oil-filled cable insulated with polymethylpentene laminated paper 1-43698
- Sakurai, T., Murotani, K., Oonishi, K.** Suppression of temporary overvoltages caused by transformer and AC filter inrush currents at the Shin-Shinano Frequency Converter Station 1-39073
- Sakurai, T., Murotani, K., Oonishi, K.** Suppression of temporary overvoltages caused by transformer and AC filter inrush currents at the Shin-Shinano Frequency Converter Station 1-44200
- Sakurai, T., Sugano, T.** Theory of continuously distributed trap states at Si-SiO<sub>2</sub> interfaces 1-40465
- Sakurai, T.** *see* Saito, T. 1-34692
- Sakurai, Y.** Amorphous materials and instrument control technology 1-27151
- Sakurai, Y., Kikuchi, M., Tanishita, K., Harada, M., Akiyama, T.** Patient robot system for resuscitation training 1-43278
- Sakurai, Y.** *see* Ohishi, T. 1-34685
- Sakurai, Y.** *see* Yamamoto, S. 1-41257
- Sakurazawa, S., Igarashi, Y.** Formal construction of Joel's permutation networks and their setting algorithms 1-41849
- Sakurazawa, S., Igarashi, Y., Shibata, Y.** Some combinatorial problems on a permutation network 1-51881
- Sala, O., Stier, M., Acquadro, J.C.** Improved performance of the Sao Paulo Pelletron 1-42851
- Salaberry, B.** *see* de Salaberry, B.
- Salae, A.V.** *see* Komarov, K.L. 1-36007
- Salae, A.V.** *see* Murav'ev, V.V. 1-36006
- Salae, E.Yu.** *see* Alekperov, S.A. 1-32636
- Salae, E.Yu.** *see* Arutyunov, V.E. 1-48082
- Salae, E.Yu.** *see* Isacv, F.K. 1-33085
- Salakh, A.K.** Directional properties of a corner antenna 1-37373
- Salam, F.W.** *see* Abdel Salam, F.W.
- Salama, A.E.** *see* Bandler, J.W. 1-45204, 1-45634
- Salama, C.A.T.** VLSI technology for telecommunication ICs 1-50970
- Salama, C.A.T.** *see* Lane, W.A. 1-36689
- Salama, C.A.T.** *see* Tarasiewicz, S. 1-36639
- Salama, I.A., Quade, D.** Using weighted rankings to test against ordered alternatives in complete blocks 1-35777
- Salama, M.** *see* Utku, S. 1-39715
- Salama, M.M.A.** A calculation method for voltage distribution in a large air core power reactor 1-39033
- Salama, M.M.A.** A calculation method for voltage distribution in a large air core power reactor 1-44151
- Salama, M.M.A., Dudley, R.F., Gela, G.** Calculation of steady-state surface stresses at winding ends of air-core power reactors 1-44167

- Salamakha, B.S. *see* Mis'kevich, A.I. 1-33189
- Salamakha, V.A. *see* Korotenko, M.N. 1-38877
- Salamatov, I.A., Igumenshchev, V.A., Kovalenko, Yu.P., Cherkasov, Yu.V., Maier, E.E. Compensation of the reactive power as an important economic factor of reserve capacity 1-39226
- Salamoff, S.B., Fraley, D.M., Gaske, T.P., Steinhorn, J. Medium rate TDMA systems for thin-route voice and data networks 1-47639
- Salamoff, S.B. *see* Werth, A.M. 1-29715
- Salamone, M.F. *see* Berry, O.V. 1-27646
- Salane, D., Tewarson, R.P. On symmetric minimum norm updates 1-39610
- Salashchenko, N.N. *see* Gaponov, S.V. 1-37216
- Salasin, J., Bregman, H., Entingh, D., Thackston, K. A comparison of two group-process techniques 1-49940
- Salathe, R.P. *see* Badertscher, G. 1-40383
- Salathe, R.P. *see* Gilgen, H.H. 1-33125
- Salathe, R.P. *see* Rytz-Froidevaux, Y. 1-45123
- Salati, C. *see* Ciccotti, M. 1-29552
- Salava, T. Measurements of the input impedance of loudspeaker horns 1-47857
- Salawu, R.I. Reply to "Comments by A.M. Soliman on 'Realization of an all-pass transfer function using the second generation current conveyor'" 1-27507
- Salazar, A.C. *see* Lawrence, V.B. 1-27520
- Saldbeck, R.E. *see* Wilson, M.J. 1-44284
- Saldhana, G.F. *see* Kulkarni, P.P. 1-52844
- Saleem, S.M. *see* Waheed, A. 1-38428
- Saleh, A.A.M. Planar multiport quadrature-like power dividers/combiners 1-27601
- Saleh, A.A.M. *see* Rogers, R.G. 1-45605
- Saleh, B.E.A. *see* Teich, M.C. 1-41680
- Saleh, F. *see* Metwali, M. 1-47770
- Saleh, M.A., Ali, S.M., Fahim, A.A. Numerical analysis of tubular induction actuator with composite rotor 1-49646
- Saleh, M.A., Ibrahim, M. Effect of the unsymmetry of the rotor overhangs on the performance of linear induction motors 1-49492
- Saleh, M.A., Makky, A.M., El-Gendi, M.S. Effect of time harmonics on the thrust of a linear induction motor with discrete windings 1-49498
- Saleh, M.A., Makky, A.M., Ja'Far Al-Rikabi. Evaluation of the demagnetising effect of armature reaction in DC machines 1-49484
- Saleh, M.A., Sakr, M.F., Ali, S.M., Fahim, A.A. Electric tubular actuator with composite rotor 1-49645
- Salerno, M. *see* Cascio, F. 1-42012
- Salerno, M. *see* Martinelli, G. 1-40087, 1-41627
- Saletti, V. *see* Faro, A. 1-29440
- Salgado, J.M. *see* Haines, A.A. 1-48018
- Salganik, M.P. *see* Kimber, B.Ye. 1-33386
- Saligov, S.G. Correction of digital instrument integral errors 1-38211
- Salih, A.M. *see* Cunningham, R.J. 1-42099
- Salih, A.M. *see* McQuade, E. 1-37824
- Salimov, R.A. *see* Grishchenko, A.I. 1-30288
- Salinas, N. *see* McGovern, R. 1-44924
- Salisbury, J.D., Behrin, E. An analysis of aluminum-air battery propulsion systems for passenger vehicles 1-31584
- Salkalachen, S., Jatar, S., Rastogi, A.C., Bhide, V.G. Growth patterns of chemically plated  $\text{Cu}_2\text{-xS}$  layers in  $\text{CdS/Cu}_2\text{S}$  thin film solar cells 1-49702
- Salkeld, R., Beichel, R. Nuclear waste disposal in space: implications of advanced space transportation 1-34672
- Salkind, A.J., Imran, M., Mackenzie, J.W., Shapiro, B. Improving intramuscular pH needle electrode stability 1-43342
- Sallaba, H. *see* Diels, J.-C. 1-28676, 1-40937
- Salle, J. *see* Charransol, P. 1-29567
- Salles, A.A., Forrest, J.R. Initial observations of optical injection locking of GaAs metal semiconductor field effect transistor oscillators 1-27331
- Salles, D. *see* Grob, A. 1-36557
- Salles-Cunha, S.X., Halbach, R.E., Battocletti, J.H., Sances, A., Jr. The NMR blood flowmeter—applications 1-43309
- Salles-Cunha, S.X. *see* Battocletti, J.H. 1-43307
- Salles-Cunha, S.X. *see* Halbach, R.E. 1-43308
- Salles-Cunha, S.X. *see* Myklebust, J.B. 1-30395
- Salmanov, V.M. *see* Abdullaev, G.B. 1-33116, 1-37010
- Salmasi, A.B. *see* Rahmat-Samii, Y. 1-52094
- Salmer, G. *see* Cappy, A. 1-50954
- Salmer, G. *see* Carnez, B. 1-36617, 1-40585
- Salmer, G. *see* Crosnier, Y. 1-40561
- Salmon, R. *see* Vlasse, M. 1-28571
- Sal'nikov, I.Ya. *see* Vasil'ev, B.V. 1-31750
- Sal'nikov, Yu.K. *see* Varakin, L.E. 1-41513
- Sal'nikova, I.P. *see* Kuvadin, A.B. 1-44484
- Salo, T., Edenholm, B. Modern measuring equipment for rational inspection 1-52365
- Salome, J.M., Forni, R. Measurements of micro-bunch energy spectra on a S-band electron linac 1-42931
- Salomon, B. *see* Gibson, J.P. 1-53725
- Salomon, P.J. *see* Bowman, B. 1-31703
- Salomon, P.M. Charge-coupled device (CCD) trackers for high-accuracy guidance applications 1-34667
- Salomon, P.M., Glavich, T.A. Image signal processing in sub-pixel accuracy star trackers 1-38142
- Salomone, A. *see* Acerbi, E. 1-42896
- Salon, S.J. A comparison of boundary integral and finite element formulations of the eddy current problem 1-35119
- Salon, S.J., Schneider, J.M. A comparison of boundary integral and finite element formulations of the eddy current problem [power equipment] 1-38940
- Salon, S.J., Shah, M.R., Montgomery, L.W. Analysis and testing of negative sequence heating of turbine generator rotors 1-49410
- Salonen, E.T. *see* Sandell, H.A. 1-41337
- Salour, M.M. *see* Rotman, S.R. 1-28677
- Salour, M.M. *see* Roxlo, C.B. 1-28682, 1-37094, 1-51433
- Salowe, S. *see* Sun, S.C. 1-43795, 1-49180
- Salzburg, K.A. *see* Buturla, E.M. 1-50899
- Salter, M. 'C' format—the fourth dimension 1-42430
- Salters, R.H.W. *see* Lohstroh, J. 1-45988, 1-45989
- Saltykov, V.M., Saltykova, O.A. The passage of random variations of voltage through an electricity supply system 1-48953
- Saltykov, V.M. *see* Konstantinov, B.A. 1-49084
- Saltykov, V.M. *see* Konstantinov, B.A. 1-31668
- Saltykova, O.A. *see* Konstantinov, B.A. 1-49084
- Saltykova, O.A. *see* Konstantinov, B.A. 1-31668
- Saltykova, O.A. *see* Saltykov, V.M. 1-48953
- Saltzberg, B., Kellaway, P., Burton, W.D., Jr., Frost, J.D., Jr. Epilepsy: a heuristic model for relating nocturnal sleep EEG spike distributions to the risk of seizure 1-30452
- Saluja, K.K., Lidgley, F.J. Fault detection in combinational circuits using Gunn effect logic devices 1-27383
- Salvage, S.T., Riad, A.A.R., Riad, S.M. Design and construction of a thick film shielded strip transmission line 1-40214
- Salvatore, L., Savino, M. Experimental determination of synchronous machine parameters 1-44070
- Salveti, G. *see* Armandillo, E. 1-41054
- Salveti, G. *see* Atteo, E. 1-28624
- Salveti, G.E. *see* Marchetti, R. 1-46699
- Salviati, G.C. *see* Manfredi, M. 1-41001
- Salvini, G. *see* Bacci, C. 1-43236
- Salvo, A.De. *see* De Salvo, A.
- Saly, V. *see* Ruzinsky, M. 1-27881, 1-36535
- Salyer, I.O. *see* Usmani, A.M. 1-32099, 1-35980
- Salzberg, P.M. The minimal generating space of a polynomial 1-39480
- Salzmann, T., Wokusch, H. High-capacity cyclo-converter drive for exacting dynamic requirements 1-31515
- Sam, C.L., Walling, J.C., Jenssen, H.P., Morris, R.C., O'Dell, E.W. Characteristics of alexandrite lasers in Q-switched and tuned operations 1-33214
- Sam, Y.W. *see* Carter, R.L. 1-46438
- Sam Shanmugam, K. Extrapolative methods of error probability estimation 1-27060
- Samaan, J.E., Tracy, D.S. Estimation problem for a single server loss queueing system 1-44799
- Samans, K.E. *see* Achenbach, J. 1-28581
- Samarenko, V.N. *see* Zarochev, G.G. 1-43917
- Samarin, P.F. *see* Voitovetskii, V.K. 1-30374
- Samarin, V.P. *see* Silin, A.V. 1-41876
- Samarskii, A.A. *see* Golovizin, V.M. 1-44796
- Samat, J. *see* Fournie, R. 1-45725
- Samborskii, S.N. *see* Dudnikov, P.I. 1-50084
- Sambucetti, C.J. *see* Chai, H.D. 1-26953
- Sambucetti, C.J. *see* Kuntzleman, H.C. 1-49847
- Sambucetti, C.J. *see* Mitchell, J.W. 1-44566
- Samejima, S. *see* Tanaka, T. 1-46963
- Samejima, S. *see* Watanabe, Y. 1-52083
- Sametov, A.R., Sukhanov, I.I., Troitskii, Yu.V. Spatial self-locking of transverse modes in an He-Ne laser 1-28653
- Samkov, A.V. *see* Kuznetsov, V.G. 1-30733
- Samkov, V.M. *see* Povarkov, V.I. 1-48116
- Sammells, A.F., Fejer, A.A. Wind energy for electric vehicle recharge 1-31144
- Sammells, A.F., Fejer, A.A. Wind energy for electric vehicle recharge 1-31582
- Sammoun, S. A new technique to evaluate the transmission characteristics of communication cable pairs using dedicated mini-computer 1-33907
- Sammut, R.A., Hussey, C.D., Love, J.D., Snyder, A.W. Modal analysis of polarisation effects in weakly-guiding fibres 1-46519
- Samoilenko, M.V. *see* Nilolaev, A.V. 1-49831
- Samoilov, O.B. *see* Egorov, V.V. 1-43881
- Samoilovich, A.N. *see* Grishchenko, A.I. 1-30288
- Samoilovich, G.S., Antipin, A.V. An evaluation of the resonance dynamic stresses in banded groups of turbine blades with bending vibrations of frequency  $\nu_z$  1-49289
- Samoilovich, I.S. Protection against internal over-voltage in mobile electrical systems in quarries 1-38810
- Samokhvalenko, A.S. *see* Akhmadov, A.A.-B. 1-48058
- Samokhvalova, L.Z. *see* Aronson, E.V. 1-36021
- Samouilidis, J.-E. Issues in modelling aspects of the Greek energy problem 1-26855
- Samoylenko, S.I. Optimization problems in computer network design 1-41948
- Samoylov, A.G. *see* Polushin, P.A. 1-37858
- Sampathkumaran, K. *see* Miller, T.R. 1-48685
- Sampei, T. *see* Higuchi, S. 1-52312
- Sampson, R.N. *see* Sanjana, Z.N. 1-36407
- Sampson, W. *see* Wanderer, P. 1-43097
- Sampson, W.B., Garber, M., Ghosh, A. Quench propagation and training in simulated superconducting magnet windings 1-43108
- Sampson, W.B. *see* Suenaga, M. 1-28283
- Sampuran-Singh, Coventry, P.F., Dalmont, J. A study of the electrostatic precipitation process—electric field measurement 1-37278
- Samson, D.A. Decision analysis as an approach for engineering management—a pilot plant decision case study 1-49929
- Samsonov, G.V., Andreeva, A.F. Physical properties of indium nitride films 1-27813
- Samuel, R.J. Mobile radio communication at 900 MHz 1-46921
- Samuel, R.J., Parsons, J.D., Ibrahim, M.F. Mobile radio propagation in inner London 1-46920
- Samuels, S.D. Microprocessor-controlled turret telephone system 1-52034
- Samuels, M.R. *see* Olsen, O.H. 1-40859
- Samuelson, S. *see* Marks, R. 1-44703
- Samuelson, K. Informatic communication by multi-way video and complete teleconferencing 1-37703
- Samuelson, L. AC thin-film electroluminescence devices 1-51286
- Samuilo, V.S. *see* Zagorskii, Ya.T. 1-39958
- Samushis, R.K. *see* Katilyus, P.I. 1-49457
- San, S.S. *see* Tirkel, A.Z. 1-52569
- San Emeterio, J.L. *see* de Pedro, T. 1-27683
- Sanada, H. *see* Inoue, T. 1-47284
- Sanada, H. *see* Shiono, M. 1-47224
- Sanada, J. *see* Seki, S. 1-42848
- Sanada, T. *see* Oikawa, M. 1-40959
- Sanada, Y. *see* Shimamoto, S. 1-28369, 1-51118
- Sanagyan, R.T. *see* Karapetyan, M.M. 1-34897
- Sanamrad, M. *see* Collins, R.A. 1-46075
- Sances, A., Jr., Myklebust, J.B., Szablya, J.F., Swintek, T.J., Larson, S.J., Chilbert, M., Prieto, T., Cusick, J.F. Effects of contacts in high voltage injuries 1-39355
- Sances, A., Jr. *see* Battocletti, J.H. 1-43307
- Sances, A., Jr. *see* Halbach, R.E. 1-43308
- Sances, A., Jr. *see* Myklebust, J.B. 1-30395
- Sances, A., Jr. *see* Salles-Cunha, S.X. 1-43309
- Sanchez, A.M. *see* Sanchez, J.A. 1-26880
- Sanchez, C. *see* Fulla, J. 1-35364
- Sanchez, D.H., Berchier, J.-L. Properties of  $n \times n$  square arrays of proximity effect bridges 1-40866
- Sanchez, E. *see* Lorenzo, E. 1-31456
- Sanchez, J., Heebner, R.W., Smithgall, D.H., Watkins, L.S. On-line measurement of glass thickness deposited in the MCVD fiber preform process 1-36914
- Sanchez, J.A., Saez, J.L., Sanchez, A.M. Fire detection and routing centrals 1-26880
- Sanchez, J.J. *see* Williams, D.F. 1-32950
- Sanchez, M.C. *see* Martin, E. 1-48228
- Sanchez-Sinencio, F. Celdas solares 1-35357
- Sanchez-Sinencio, E., Silva-Martinez, J., Alba-Flores, R. Effects of finite operational amplifier gain-bandwidth product on a switched-capacitor amplifier 1-45284
- Sanchez-Sinencio, E. *see* Geiger, R.L. 1-45498
- Sanctuary, P. *see* New, R. 1-42026
- Sand, K. *see* Dahl, E. 1-49022
- Sand, R. *see* Mayer, N. 1-34034, 1-51812
- Sandau, R. The application of an exponential function to the approximation of the transient thermal resistance of semi-conductors and cooling bodies 1-53532
- Sandberg, B.R. A novel current monitor for DC and modulated magnets in the proton storage ring 1-42807
- Sandberg, I.W. Diffeomorphisms and Newton-direction algorithms 1-27033
- Sandberg, I.W. On Newton-direction algorithms and diffeomorphisms 1-32024
- Sandberg, I.W. On Newton-direction algorithms and diffeomorphisms 1-39611
- Sandberg, J. *see* Brown, H. 1-48364
- Sandbergen, R.E. *see* Klaassen, K.B. 1-30108
- Sandbrink, J. Calculating the behaviour of an indirect dry-cooling cycle at atmospheric disturbances 1-35027
- Sande, J.H.A.W. van de *see* van de Sande, J.H.A.W.
- Sandell, H.A., Karhu, S.I., Salonen, E.T. Satellite measurement of the effects of rain and sleet on the performance of a radome covered antenna 1-41337
- Sandell, N.R. *see* Tenney, R.R. 1-51817
- Sandell, N.R., Jr. *see* Wall, J.E., Jr. 1-51831
- Sandell, P. One norm for one fuse 1-49626
- Sander, B., Cvetko, H., Bach, G. The 345 kV switchyard at Ulsan 1-31341

- Sander, D. Rotate that side-mounted antenna 1-29033
- Sander, D.L. Algorithms for an adaptive dynamic window in electronic map systems 1-52902
- Sander, I.R., Peake, A.H., Surridge, R.K. Selenium ion implanted GaAs MESFETs 1-28044
- Sander, O., Browman, A., Bush, E. Redesign of the LAMPF transition region 1-48358
- Sander, O.R. *see* Minerbo, G.N. 1-42930
- Sander, S. *see* Gunther, K. 1-38718
- Sander, W. *see* Haydl, W.H. 1-37968
- Sanders, D.M., Farabaugh, E.N., Hurst, W.S., Haller, W.K. An advanced multi-chamber system for preparation of amorphous thin films by coevaporation and their subsequent characterization by AES, ESCA, SIMS and ISS methods 1-50320
- Sanders, G.J. Power inversion using pulse-width-modulation for fixed and variable frequency applications 1-44224
- Sanders, H.-G., Sinnecker, G. Mechanical and thermal tests on 3AF vacuum circuit-breakers 1-35286
- Sanders, I.L., Kane, S.M., Cohen, M.S. 1- $\mu$ m bubble permalloy 'contiguous-disk' devices 1-46444
- Sanders, I.L. *see* Calhoun, B.A. 1-46448
- Sanders, I.L. *see* Gallagher, T.J. 1-28274
- Sanders, I.L. *see* Keefe, G.E. 1-28262
- Sanders, I.L. *see* Lin, Y.S. 1-36838
- Sanders, J.A. *see* Imamura, M.S. 1-31112
- Sanders, L. Manchester II transfers data with integrity, speed 1-29084
- Sanders, L. Encoding schemes in serial data communications 1-47111
- Sanders, L.W. *see* Penz, P.A. 1-46591
- Sanders, M. *see* Kladiya, V. 1-49593
- Sanders, M.J. *see* Wirth, M.J. 1-28664
- Sanders, N.H. Present and future needs in high temperature electronics for the well logging industry 1-37721
- Sanders, R. *see* Gammel, G. 1-48426
- Sanders, R.T. *see* Mobley, R.M. 1-42779
- Sanders, T.J., Eshbaugh, K.S., Kreps, S.A., Doyle, B.R. A high performance Schottky transistor logic gate array 1-40075
- Sanders, W. Solid state optics for sidewall and dimensional inspection of glassware 1-52385
- Sanders, W.J. *see* Anderson, C.M. 1-52784
- Sanderson, G. A second generation auto setup camera 1-29893
- Sandford, S. *see* Paciotti, M. 1-52637
- Sandham, W.A. *see* Shearman, E.D.R. 1-46937
- Sandhu, S.S. *see* Paddan, P.S. 1-36130
- Sandini, G. *see* Braccini, C. 1-47217
- Sandjimitbin, V.D., Flos, S.L., Kokoev, A.D. Feed water turbo-pump test results [800 MW steam power plant] 1-31026
- Sandler, A.S., Yanura, Ya. Static and dynamic conditions in an autonomous valve stage with autonomous supply 1-44395
- Sandler, B. *see* Edwards, M. 1-34603
- Sandler, B.H. *see* King, R.W.P. 1-41296
- Sandmann, F. Digital timer 1-27552
- Sandnes, B. Oslo's new telex exchange: operational reliability 1-47348
- Sandoval, F. *see* Redondo, F. 1-34356
- Sandri, S., Vivalda, E. Automatic stress assignment for Italian text-to-speech synthesis 1-37450
- Sands, D.A. *see* Axelrod, J. 1-52477
- Sandstrom, D.R., Fine, J.M. Polarization considerations in the fluorescence detection of EXAFS 1-34537
- Sandulyak, A.V., Garashchenko, V.I., Dubchak, V.A. Graphical-analytical calculation of electromagnetic filters with cores [used in condensing plant] 1-35039
- Sandvik, F. *see* Braek, R. 1-42112
- Sandvin, O., Tjostheim, D. A numerical comparison of two criteria for determining the order of AR processes 1-50165
- Sanford, P. *see* Siegmund, O. 1-34438
- Sanford, R., Gibson, J. simplifld alfu-n2merik fOnetiks (sanf) 1-29133
- Sang Soo Lee *see* In Heon Hwang 1-46688
- Sangal, N. *see* Woods, J.W. 1-40124
- Sanger, K.H. Electropneumatic signal conversion in process automation 1-30066
- Sanger, P.A., Adam, E., Ioriatti, E., Richards, S. Critical properties of multifilamentary Nb<sub>3</sub>Sn between 8 and 14 tesla 1-28286
- Sanghera, J. *see* Auckland, D.W. 1-28155
- Sanghi, L.K. Cross-linked polyethylene (XLPE) cable 1-34873
- Sangiovanni-Vincentelli, A. *see* Wu, C.-c. 1-50379
- Sangiovanni-Vincentelli, A. *see* Hachtel, G. 1-46091
- Sangiovanni-Vincentelli, A.L. *see* Newton, A.R. 1-46206
- Sangster, A.J. A Pierce description of the travelling wave gyrotron 1-32567
- Sangster, A.J. *see* Lyon, R.W. 1-47021, 1-51715
- Sangster, D.F. *see* Irvin, J.A. 1-26978
- Sangwine, S.J. Semi-automated testing of proportional counters 1-30352
- Saniie, J., Newhouse, V.L., Furgason, E.S. Ultrasound imaging through highly reverberant thin layers 1-38627
- Sanik, P.S. Are your thermocouple isolators keeping pace with demands of digital systems? 1-39357
- Saniter, J. *see* Nobis, R. 1-29571
- Sanjana, Z.N., Sampson, R.N., Burstein, E.B. Measuring the degree of cure of multilayer circuit boards 1-36407
- Sankar, A. *see* Tong, T.C. 1-41307
- Sankar, P.V. *see* Sklansky, J. 1-48691
- Sankaran, A., Gokarn, R.S., Gangadharan, P. Portable transfer digital dosimeter for beam output measurements with X and gamma rays, electrons and neutrons 1-34644
- Sankaran, R. *see* Magee, T.J. 1-32629
- Sankur, B. *see* Bilgekul, H.S. 1-37479
- Sanli, N. *see* Celebiler, M. 1-47619
- Sanna, R. *see* O'Brien, K. 1-48598
- Sannes, F. *see* Mueller, J.J. 1-34441
- Sannomiya, N., Tsukabe, M. A method for decomposing mixed-integer linear programming problems with angular structure 1-50230
- Sano, E. *see* Ohwada, K. 1-50936
- Sano, H. *see* Koga, R. 1-40923
- Sano, H. *see* Kurata, K. 1-28595
- Sano, H. *see* Tanada, Y. 1-41515
- Sano, K., Okada, K., Oki, T. Wavelength meters for optical cable transmission systems 1-30061
- Sano, M. Newly developed normal temperature ferrite process 1-49849
- Sano, N. *see* Odagi, K. 1-34157
- Sano, R. *see* Muchllehner, G. 1-34598
- Sano, T. Shifting role leads to increased uses of DIP switches 1-40275
- Sano, Y. *see* Makino, J. 1-34940
- Sansen, W. *see* Maes, H. 1-46324
- Sansen, W.M.C. *see* Maes, H.E. 1-51020
- Sansom, R.E. Space applications of the Global Positioning System (GPS) 1-29818
- Sansores, L.E. *see* Myszkowski, A. 1-53629
- Santalov, N.P. *see* Glushchenko, A.G. 1-46978
- Santamaria, J. *see* Bescos, J. 1-41807
- Santamato, E. *see* De Martini, F. 1-33280
- Santana, C. Ray-optical calculation of eigenmode behavior of unstable laser resonators with rounded edges 1-51485
- Santomauro, M. *see* Amoia, V. 1-35680, 1-39446
- Santoni, A. Swelling supplier ranks and broader lines enlarge the choices in oscilloscopes 1-42649
- Santoni, A. Semiconductor test systems 1-47883
- Santoni, A. Signal sources—old and new—leave little room for improvement 1-48119
- Santonico, R., Cardarelli, R. Development of resistive plate counters 1-52676
- Santos, R. *see* Stronach, A.F. 1-44413
- Sanvicente-Gargallo, E. *see* Bertran-Salvans, M. 1-32357
- Sanyal, G.S. *see* Chakraborty, A. 1-41295
- Sanyal, G.S. *see* Mallick, A.K. 1-50610
- Sanz, P. Hi-fi stereo amplifier for automobile use 1-52314
- Sanz-Serna, J.M. Linearly implicit variable coefficient methods of lambert-Sigurdsson type 1-35897
- Sanz-Serna, J.M. *see* Kuo Pen-yu 1-39677
- Sao, K. *see* Taguchi, K. 1-42355, 1-42356
- Saparov, A.I. *see* Meerovich, E.A. 1-43681
- Sapel'nikov, A.N. *see* Brche, M.A. 1-40534
- Sapel'nikov, A.N. *see* Kravchenko, L.N. 1-32887
- Sapieha, S., Crine, J.P. The influence of extruded semiconducting shields on the contamination of XLPE cables 1-30757
- Sapiro, S. *see* Holt, D. 1-46327
- Saplinov, L.S., Pomytkin, V.N., Tikhonov, V.M. Study of transients in a circuit comprising an induction motor and a short circuit 1-31234
- Sapotta, K. *see* Renfordt, R.E. 1-48589
- Sapozhnikov, S.M. *see* Goldobin, I.S. 1-37147
- Sapozhnikova, T.F. *see* Damatov, Ya.M. 1-32243
- Sapp, W.W. *see* Kinney, E.R. 1-48593
- Saprykin, E.G. Controlling gas laser generated spectra without selecting elements in a resonator 1-28626
- Saprykin, G.S., Shelud'ko, L.P., Malomuzh, I.A. Features of the working processes of a pneumatic pumped-storage gas-turbine set with storage reservoirs of constant volume 1-38908
- Sapsalev, A.V. *see* Veselovskii, O.O. 1-35192
- Sapunov, A.N. *see* Gos'kov, P.I. 1-48117
- Sapunov, Yu.M. *see* Vasiliev, V.V. 1-48466
- Saracco, O. *see* Amoia, V. 1-35680
- Saracco, O. *see* Bobbio, A. 1-31898
- Saracco, R. *see* Bagnoli, P. 1-42106
- Sarach, A.A. Influence of temperature on current displacement and losses in short-circuited cage of induction-motor rotor 1-31236
- Saraga, P., Jones, B.M. Parallel projection optics in simple assembly 1-52271
- Saraie, J., Kobayashi, M., Fuji, Y., Matsunami, H. Preparation of hydrogenated amorphous silicon films by ion beam sputtering 1-50328
- Saraie, J., Yamagiwa, S., Matsunami, H., Tanaka, T. Photoconductive properties of the evaporated CdTe-sintered CdS heterojunction 1-45990
- Saraie, J. *see* Kobayashi, M. 1-35963
- Saramaki, T., Neuvo, Y., Saarinen, T. Equal ripple amplitude and maximally flat group delay digital filters 1-36279
- Saranen, J. *see* Neittaanmaki, P. 1-37249
- Saraswat, K.C. *see* Meindl, J.D. 1-28125
- Sarchet, B.R. *see* Babcock, B.L. 1-31828
- Sarchet, B.R. *see* Babcock, D.L. 1-49913
- Sarda, J.P., Roque, C. Permeability stimulation of crystalline rocks by chemical leaching 1-53292
- Sarda, J.P. *see* Lessi, J. 1-53291
- Sardella, V., Degnan, K. Satellite broadcasting to homes. Service options, policy issues and costs 1-52220
- Sarf, G. *see* Borodachev, A.S. 1-31712
- Sargent, C.P. *see* Flanz, J.B. 1-48334
- Sargent, D.C. A procedure for synchronizing continuous speech with its corresponding printed text 1-37454
- Sargent, G.E.G. *see* Hayward, L. 1-27357
- Sargent, M. Standing-wave optical bistability and instability 1-28746
- Sargent, N.B. A laboratory facility for electric vehicle propulsion system testing 1-31595
- Sargious, M.A., Szplett, D. Automobile energy conservation through increased vehicle efficiency in Canada 1-53741
- Sargos, F.-M. Variable reluctance machines for vernier or step-by-step operations 1-53403
- Sargsyan, M.P. *see* Veinger, A.I. 1-32683
- Sario, M. *see* de Sario, M.
- Sario, M. *see* De Sario, M.
- Saritschew, G., Kunze, W. Calculation and technology for DC motors with dishd runners and printed armature windings 1-53496
- Sarka, B., Jr. *see* Olson, R.A. 1-46692
- Sarkady, A.A., Wallingford, E.E. An interactive and recursive signal processor for 16-bit microcomputers 1-41715
- Sarkar, B.K. Design and development of L-band PIN diode SPDT switches 1-27661
- Sarkar, B.K. Optimum basewidth of limiter diode for maximum power handling capability 1-50617
- Sarkar, B.N., Verma, V.K., Mukhopadhyay, P. Improvement of transient performance of DWR synchronous generators by coordination of regulator parameters 1-49429
- Sarkar, C.K. On the modification of the Einstein relation for semiconductors under magnetic quantisation due to level broadening 1-27779
- Sarkar, G.G. 'Jyoti' laser systems and their applications 1-33167
- Sarkar, S. Second harmonic dependence of domain excess voltage in GaAs 1-27809
- Sarkar, T.K., Weiner, D.D., Jain, V.K. Some mathematical considerations in dealing with the inverse problem 1-35714
- Sarkar, T.K. *see* Jain, V.K. 1-41763
- Sarkar, T.K. *see* Tseng, F.I. 1-29158
- Sarkary, H.G. *see* Herdzik, R.J. 1-44691, 1-44692
- Sarkary, H.G. *see* Nagarajan, A. 1-50917
- Sarkinen, C.F., Witaala, J.T. Investigation of volcanic ash on transmission facilities in the Pacific Northwest 1-43733
- Sarkinen, S.H. *see* Chartier, V.L. 1-34841
- Sarkisov, S.E. *see* Kaminski, A.A. 1-33127
- Sarma, K.R. *see* Rice, M.J., Jr. 1-45905
- Sarma, M.S. Developments in finite-element method for calculating electromagnetic fields in electrical machines 1-53347
- Sarma, V.V.S. *see* Dattatreya, G.R. 1-37434
- Sarma, V.V.S. *see* Devi, B.B. 1-33569
- Sarma, Y.V.S. *see* Subramanian, R. 1-35699, 1-50057
- Sarma Maruvada, P., Dallaire, R.D., Heroux, P., Rivest, N. Corona studies for bipolar HVDC transmission at voltages between  $\pm 600$  kV and  $\pm 1200$  kV. II. Special bipolar line, bipolar cage and bus studies 1-30707
- Sarma Maruvada, P., Giao Trinh, N., Dallaire, R.D., Rivest, N. Corona studies for bipolar HVDC transmission at voltages between  $\pm 600$  kV and  $\pm 1200$  kV. I. Long-term bipolar line studies 1-30706
- Sarma Maruvada, P. *see* Dallaire, R.D. 1-43728
- Sarmiento, G.S. *see* Laura, P.A.A. 1-40208
- Sarna, C.S. *see* Stark, H. 1-38579
- Sarnacki, F.H. Defective hole repair/hermetic seal 1-32500
- Sarnot, S.L. *see* Chopra, R.C. 1-31852
- Sarrabayrouse, G., Buxo, J., Sebaa, J.-P., Essaid, A. Switching properties of inversion-controlled metal-thin insulator-Si(n)-Si(p<sup>+</sup>) devices 1-28023
- Sarrabayrouse, G. *see* Essaid, A. 1-40511
- Sarram, M.A., Williams, J.H., Towill, D.R., Varghese, K.C. Optimization of access points for automatic test program generation and fault location in large analogue circuits and systems 1-52359
- Sarrouty, J.L. *see* Paris, P. 1-48327
- Sartawi, M.M., Ooi, B.T. Application and limitation of field excitation control of subsynchronous resonance in synchronous generators-torsional interaction 1-53407

- Sarti, D., Le Poull, F., Gravis, P. Transformation of solar radiation by fluorescence: application to the encapsulation of cells 1-53638
- Sartorelli, G. *see* Basile, M. 1-43250, 1-43251
- Sartori, L. *see* Catania, B. 1-38469
- Sartori, M., Titli, M. Design of VSB (vestigial side band) filters starting from low pass prototypes 1-27477
- Sarvate, S.S. *see* Ryzhkin, V.Ya. 1-35036
- Sarwate, D.V. *see* Stark, W.E. 1-29047
- Sasabe, H. Measurement of bulk current [in high-resistance insulators] 1-28169
- Sasabuchi, S. *see* Kudo, A. 1-44853
- Sasahara, H. *see* Takekoshi, Y. 1-45446
- Sasaki, A., Inoda, M., Ishibashi, T. Laser-addressed liquid-crystal multifunction light valve 1-33092
- Sasaki, A., Kozuhara, M. InGaAsP-InP heterojunction phototransistors and light amplifiers 1-33139
- Sasaki, A. *see* Fujita, S. 1-40468
- Sasaki, A. *see* Oishi, A. 1-41101
- Sasaki, A. *see* Takeda, Y. 1-45929
- Sasaki, H., Koshiba, T. An up mode NAND monostable multivibrator with clamping circuit 1-39974
- Sasaki, H., Koshiba, T. A depletion mode MOS monostable multivibrator using one power supply 1-50476
- Sasaki, H., Mikoshiba, N. Directional coupling of magnetostatic surface waves in a layered structure of YIG films 1-46401
- Sasaki, H., Nakanishi, N., Machida, T. An AC harmonic current elimination method by magnetic flux compensation 1-39046
- Sasaki, H. *see* Nagami, K. 1-49610
- Sasaki, H. *see* Nakamura, H. 1-45823
- Sasaki, H. *see* Nakamura, K. 1-46354
- Sasaki, H. *see* Noda, A. 1-43038
- Sasaki, I., Payne, D.N. An assessment of the spatial-filtering technique for the measurement of refractive-index profiles in optical fibre preforms 1-40951
- Sasaki, K., Uno, T., Tanaka, K., Wakabayashi, T. Development of microwave components 1-52417
- Sasaki, K. *see* Sasaoka, H. 1-47618
- Sasaki, K. *see* Sato, T. 1-41792, 1-51529
- Sasaki, M., Kawano, M. Pseudo-availability of k-out-of-N: G system with cannibalization 1-39469
- Sasaki, M., Tahira, K., Miyakawa, T. Study of deep level impurities in semiconductors. III. Analysis of transient PC waveforms in Si:Au system 1-41000
- Sasaki, M. *see* Yanagi, S. 1-31910
- Sasaki, N., Iwai, T., Nakano, M. A CMOS/SOS masterslice customized with cutting epitaxial silicon lines 1-40721
- Sasaki, O., Nagamune, I., Sato, K., Hosoya, Y. Rain attenuation characteristics on 20 GHz band multirelay links 1-46865
- Sasaki, O. *see* Satoh, K. 1-42217
- Sasaki, R., Tsuruoka, R., Haruna, K. A combinational optimization method for alternatives with uncertain parameters and its application to evaluation of systems to reduce radioactive release 1-34989
- Sasaki, S. Test results of train radio communication using LCS for Shinkansen test line in Oyama 1-47562
- Sasaki, S. *see* Hayashi, Y. 1-46995
- Sasaki, S. *see* Ishida, M. 1-45090
- Sasaki, S. *see* Kobayashi, K. 1-32324
- Sasaki, S. *see* Matsushima, H. 1-34156
- Sasaki, S. *see* Yasunaga, S. 1-44552
- Sasaki, T. Liquid crystal display research in Japan 1-42705
- Sasaki, T., Yamada, A., Aoyama, T., Hasegawa, K., Kato, S., Sato, S. Hierarchical design verification for large digital systems 1-45414
- Sasaki, T. *see* Kohra, K. 1-30292
- Sasaki, T. *see* Minato, O. 1-27470
- Sasaki, T. *see* Motohashi, S. 1-47814
- Sasaki, T. *see* Yamanaka, C. 1-51412
- Sasaki, W. *see* Kobayashi, S. 1-48052
- Sasaki, Y., Ohmori, Y., Kawachi, M., Eda, H., T. CW single-pass Raman generation in optical fibres 1-33270
- Sasaki, Y. *see* Furui, Y. 1-36950
- Sasaki, Y. *see* Hosaka, T. 1-46509
- Sasaki, Y. *see* Ohmori, Y. 1-51510, 1-51511, 1-51512
- Sasaki, Y. *see* Uesugi, N. 1-40889
- Sasakura, T. *see* Sakawa, M. 1-27050
- Sasano, Y. *see* Shimizu, H. 1-42710
- Sasao, H. *see* Ueda, Y. 1-35310, 1-49616
- Sasao, H. *see* Ushio, T. 1-49615
- Sasao, Y. *see* Kuriki, K. 1-30529
- Sasaoka, H., Yoshimoto, S., Hamamoto, N., Nishigaki, T., Nishiyama, I., Sasaki, K. Spread spectrum multiple access communication experiments via satellite 1-47618
- Sase, M. *see* Adachi, H. 1-34476
- Sasek, L., Alexa, L. About the causes of origin and form of existence of surface discharges in electrical rotating machine slots 1-44037
- Sasonoff, J. *see* Lighton, D. 1-47731
- Sassen, K. Infrared (10.6- $\mu$ m) radiation induced evaporation of large water drops 1-41131
- Sassmannshausen, G. *see* Eberts, K. 1-38701
- Sasson, A.M. *see* Irisarri, G.D. 1-34773, 1-38709
- Sasson, G. 'Greetings Olga... Boris calling...' [microcomputer radio reception] 1-51924
- Sastry, C.V.R.L. *see* Ramaswamy, M.P. 1-31009
- Sastry, S., Desoer, C., Varaiya, P. Jump behavior of circuit and systems 1-45229
- Sastry, S., Varaiya, P. Coherency for interconnected power systems 1-30610
- Sastry, S. *see* Arapostathis, A. 1-30696
- Sastry, S. *see* Arapostathis, A. 1-49052
- Sastry, S. *see* Arapostathis, A. 1-30695
- Sastry, V.V., Oommen, D. A two-phase to single-phase frequency changer using power modulation 1-49563
- Sastry, V.V. *see* Chellamuthu, C. 1-44402
- Sastry, V.V. *see* Venkato Rao, P. 1-44109
- Satake, T. *see* Nagasawa, S. 1-40916
- Satar, A.N. *see* Martin, I.E. 1-32488
- Satimov, N. *see* Mischenko, E.F. 1-31941
- Sato, A. Illuminated pushbutton switches meet diverse needs 1-40274
- Sato, A. *see* Maeda, M. 1-28631
- Sato, G. *see* Murakami, H. 1-42211
- Sato, H. *see* Baba, H. 1-48283
- Sato, H. *see* Hara, Y. 1-29342
- Sato, H. *see* Mizuishi, K. 1-37170
- Sato, H. *see* Ninomiya, S. 1-48464
- Sato, H. *see* Ono, Y. 1-39113
- Satorius, H. *see* Shibayama, K. 1-28200
- Sato, K. On Halley's iteration applied to the calculation of radicals of a complex number 1-45009
- Sato, K., Hiramatsu, H. Installation of steel pipe factory electrical facilities delivered to National Pipe Co. Ltd., Saudi Arabia 1-39345
- Sato, K., Nagai, T., Tachibana, M., Shimoyama, H., Ozaki, M., Yahara, T. MIL-D-a cell-based layout system for MOS-LSI 1-46338
- Sato, K., Onodera, R., Okada, S. A graphical method for solving the symmetrically-mixed equations of electrical networks with switching elements 1-50392
- Sato, K. *see* Hattori, T. 1-48383
- Sato, K. *see* Kodama, T. 1-36745
- Sato, K. *see* Masutomi, F. 1-35437
- Sato, K. *see* Nakamura, G. 1-40421
- Sato, K. *see* Saisyu, K. 1-45161
- Sato, K. *see* Sakabe, S. 1-38770, 1-38782
- Sato, K. *see* Sasaki, O. 1-46865
- Sato, K. *see* Sha, K. 1-47060
- Sato, K. *see* Sumida, S. 1-46678
- Sato, K. *see* Suzuki, H. 1-29540
- Sato, K. *see* Thieberger, P. 1-42849
- Sato, K. *see* Tominaga, S. 1-35304
- Sato, K. *see* Tsukada, K. 1-38526
- Sato, K. *see* Yashiro, M. 1-46483
- Sato, K.-I., Asatani, K. Speckle noise reduction in fiber optic analog video transmission using semiconductor laser diodes 1-47678
- Sato, M., Fukuda, O., Inada, K. Metal-coated optical fiber with pure indium 1-40930
- Sato, M. *see* Sakai, T. 1-46287
- Sato, M. *see* Takashima, H. 1-37853
- Sato, M. *see* Toriyama, K.-I. 1-33928
- Sato, N. *see* Hayashi, Y. 1-35438
- Sato, N. *see* Hoshino, T. 1-39169
- Sato, N. *see* Maruyama, K. 1-42123
- Sato, N. *see* Matsui, K. 1-39047
- Sato, N. *see* Yokoyama, K. 1-32444
- Sato, R. *see* Amano, N. 1-51682
- Sato, R. *see* Enomoto, Y. 1-30256
- Sato, R. *see* Huru, J. 1-39870
- Sato, R. *see* Ito, C. 1-41265
- Sato, R. *see* Iwanami, Y. 1-50469
- Sato, R. *see* Kobayashi, K. 1-32324, 1-46971
- Sato, R. *see* Minegishi, S. 1-45732
- Sato, R. *see* Niitsuma, H. 1-51061
- Sato, R. *see* Serizawa, K. 1-44699
- Sato, S. An analysis of discrete-time queueing systems with preemptive priorities 1-39511
- Sato, S., Mano, S., Katagi, T. Wide-angle constant-gain scanning by a phased array covered with a cylindrical constrained lens 1-47031
- Sato, S. *see* Kurahashi, K. 1-42538
- Sato, S. *see* Sasaki, T. 1-45414
- Sato, S. *see* Tanaka, J. 1-48571
- Sato, S. *see* Ueda, T. 1-31204
- Sato, T. Combined spectral and aperture synthetic ultrasonic imaging system 1-29811
- Sato, T. Polyphase orthogonal finite sequence signal and its processing for three-dimensional underwater ultrasonic imaging 1-47252
- Sato, T., Fujiwara, H., Murata, K. Measurement of nonlinear frequency chirp of Q-switched ruby laser 1-33207
- Sato, T., Matsui, Y., Okada, M., Murakawa, K., Henmi, T. Palladium with a thin gold layer as a sliding contact material 1-32483
- Sato, T., Sasaki, K., Ando, K. Adaptive techniques for precise detection of the coherence function by an intensity triple correlator 1-41792
- Sato, T., Sasaki, K., Morita, H., Ando, K. Computer-aided X-ray holographic imaging system 1-51529
- Sato, T. *see* Fukasawa, A. 1-45620
- Sato, T. *see* Iwamura, J. 1-27476
- Sato, T. *see* Kumaki, S. 1-34133
- Sato, T. *see* Takahashi, M. 1-50274
- Sato, Y. *see* Hashimoto, O. 1-53551
- Sato, Y. *see* Matsumoto, H. 1-35051
- Sato, Y. *see* Negishi, Y. 1-29598
- Satoh, G., Mizuno, T. Nonlinear satellite channel design for QPSK/TDMA transmission 1-47605
- Satoh, I. *see* Ishii, Y. 1-36825
- Satoh, K., Morita, K., Sasaki, O. Study on the distribution of differential rain attenuation between Earth-satellite and terrestrial radio-relay links 1-42217
- Satoh, K. *see* Okamoto, J. 1-45535
- Satoh, K. *see* Wilson, P.B. 1-43012
- Satoh, M. *see* Nakano, F. 1-51233
- Satoh, M. *see* Suzuki, K. 1-42689
- Satoh, S., Denda, M., Takano, S., Fukumoto, T., Tsubouchi, N. Soft error improvement in MOS RAMs by the use of epitaxial substrate 1-46315
- Satoh, T., Ogawa, A., Hirata, Y. A survey on the techniques applicable to the future maritime satellite communications system 1-29703
- Satoh, Y. *see* Iida, Y. 1-42662
- Satomura, Y., Kumagai, N. Effect of mechanical force on the refractive-index distribution of optical fiber 1-40925
- Satorius, E.H., Shensa, M.J. Recursive lattice filters—a brief overview 1-29204
- Satou, M., Suzuki, K., Suzuki, T., Akutu, K. A volume and tone control IC for HiFi audio 1-29939
- Satsangi, P.S. *see* Kothari, M.L. 1-43523
- Satta, L. *see* Baldini-celio, R. 1-27355
- Sattarov, D.K. *see* Belyaev, B.F. 1-36444
- Sattarov, D.K. *see* Nesterova, Z.V. 1-28786
- Satterfield, R.M. A review of NRC instrumentation needs 1-35010
- Satterthwaite, C.A. On design and innovation as the central discipline of an engineering education 1-31786
- Sattler, P.K. *see* Odendahl, A. 1-49509
- Satyam, M. *see* Anandan, M. 1-50734
- Satyam, M. *see* Nagaraj, K. 1-51018
- Satyanarayana, B., Schairer, E., Davis, S. Adaptive-wall wind-tunnel development for transonic testing 1-48780
- Satyanarayana, V., Ghanekar, H.A. AD-DC electrical transmission system for diesel electric locomotives 1-53739
- Sauer, T.O. *see* Rolstad, E. 1-53220
- Saucier, G. *see* Amblard, P. 1-39372
- Saucier, G. *see* Bellon, C. 1-47929
- Saucier, G. *see* Robach, C. 1-27437, 1-27454
- Sauer, P.W. On the formulation of power distribution factors for linear load flow methods 1-38713
- Sauer, P.W. Explicit load flow series and functions 1-49045
- Sauerbrey, W., Muller, T. Description of state changes at the work piece manipulation on the example of the position change 1-31862
- Sauerland, B.A.T. *see* Sauerland, E.K. 1-48714
- Sauerland, E.K., Sauerland, B.A.T., Orr, W.C., Hairston, L.E. Non-invasive electromyography of human genioglossal (tongue) activity 1-48714
- Saukh, S.E. On synthesis of digital filters with limitation for the impulse response duration 1-50560
- Saul, P. High-speed monolithic D/A 1-27581
- Saul, P.H. Successive approximation analog-to-digital conversion at video rates 1-40184
- Sauli, F. Possible improvements in the performance of gaseous detectors 1-43220
- Sauli, F. *see* Breskin, A. 1-34284, 1-34439
- Sauli, F. *see* Charpak, G. 1-34469, 1-34491
- Sauli, F. *see* Melchart, G. 1-48615
- Saullo *see* Aylott 1-49822
- Saulnier, J.B., Pieper, B., Bouchez, J.B. The optimisation of the mathematical model of the thermal behaviour of the MAROTS satellite 1-34645
- Saulnier, P. *see* Machet, J. 1-50327
- Saunders, A.G. Trends in packaging and interconnection of integrated circuits 1-26939
- Saunders, D.R. *see* Liu, C.J. 1-53592
- Saunders, J.J., Steeles, K. Hydrogen ion bombardment of GaAs for device isolation 1-27820
- Saunders, L.L. Automated transit technology development a key to the future 1-31601
- Saunders, M. *see* Stark, G. 1-31483
- Saunders, M.J. Optical fiber profiles using the refracted near-field technique. A comparison with other methods 1-36863
- Saunders, M.J., Head, E.D. Small-scale core fluctuations in multimode MCVD fibers 1-36915
- Saunders, T. Digital or analogue—that is the question 1-46444
- Saupe, R. Rate of revolution—regulated synchronous machine. Optimum operational factor through introduction of 'warm-up' regulator 1-31203
- Saur, B. *see* Boehmer, H. 1-46663

- Saur, E.J., Schechinger, H.D., Rinderer, L. Preparation and superconducting properties of MoN and MoC in form of wires 1-32992
- Saurel, J.M., Shahab, W., Lassale, J., Gambon, G., Attal, J. Temperature-stable surface-acoustic wave delay lines on gallium arsenide: second-order effects and sensitivities 1-32925
- Saurel, J.M. *see* Cambon, G. 1-28203
- Sauteret, C., Novaro, M., Martin, O. Passive pulse shaping by spectral narrowing of picosecond pulses 1-33260
- Savage-Letessier, J. *see* Putaux, J.C. 1-52658
- Savage, D.E., Lagally, M.G., Schrader, M.E. Electron spectroscopy analysis of contact surfaces in the wear of carbon brushes against copper commutators 1-44020
- Savage, E. Lower or raise the volume on your TV set, or anything else, by remote control 1-52230
- Savage, J.C. *see* Hage, J.A. 1-37832
- Savage, J.E. Area-time tradeoffs for matrix multiplication and related problems in VLSI models 1-40647
- Savage, J.E. *see* Imber, Y. 1-33501
- Savage, R. A system for the future [Infotex] 1-51964
- Savakus, H.P., Klicker, K.A., Newnham, R.F. PZT-epoxy piezoelectric transducers: a simplified fabrication procedure 1-46359
- Savard, P. *see* de Guise, J. 1-48733
- Savatina, I. *see* Tsonov, L. 1-28436
- Savchenko, I.B. *see* Klinkova, L.A. 1-27092
- Save, L. *see* Kerttula, E. 1-41926
- Savelainen, M. *see* Arkkio, A. 1-31246
- Savel'ev, V.I. *see* Galuev, S.V. 1-46815
- Savel'ev, V.N. *see* Kuksenko, V.S. 1-32122
- Savel'ev, Yu.V. *see* Gershberg, A.E. 1-29899
- Savel'eva, L.N. *see* Golubkov, G.E. 1-32910
- Savelli, M., Bougnot, J. Thin film  $\text{Cu}_2\text{S}$ -CdS solar cells 1-39127
- Savelli, M. *see* Bordine, G. 1-53681
- Savenko, P.A. *see* Voytovich, N.N. 1-33394
- Savenkova, N.B. *see* Brailov, E.S. 1-30091
- Savichev, A.T. *see* Aleksandrov, A.F. 1-45849
- Savides, E. *see* Zamani, M. 1-30364
- Savin, N.V. *see* Troitskii, V.A. 1-35228
- Savini, A. *see* Bassi, E. 1-53711
- Savini, D. An improved automatic tracking system for linear and circular polarization 1-29674
- Savino, M. *see* Salvatore, L. 1-44070
- Savir, J. *see* Roth, J.P. 1-40042
- Savitskaya, I.F. *see* Kiselev, Yu.I. 1-48054
- Savitskii, F.S. *see* Kiselev, Yu.I. 1-48054
- Savitskii, M.M., Leskov, G.I. The mechanism of the effects of electrically-negative elements on the penetrating power of an arc with a tungsten cathode 1-44537
- Savo, B. *see* Pace, S. 1-28361
- Savol, A.M. *see* Noges, E. 1-48814
- Savon, K. New dimension in TV sound 1-38012
- Savoor, K.R. *see* Anandan, M. 1-50734
- Savov, G., Pranchov, P. Investigation of models for forecasting the reliability of mica capacitors 1-40246
- Savov, G. *see* Bogoev, C. 1-40059
- Savoy, R.J. *see* Wells, O.C. 1-36818
- Savoye, E.D. *see* Jastrzebski, L. 1-38133
- Savtchenko, I.B. *see* Kulakov, M.P. 1-39735
- Savulescu, S.C. Equivalents for security analysis of power systems 1-43542
- Savulescu, S.C. Equivalents for security analysis of power systems 1-43595
- Savushkin, V.N. *see* Vinnikov, A.Ya. 1-27814
- Savvin, V.L. *see* Vanke, V.A. 1-32562
- Savy, C. *see* Fleuret, N. 1-34479
- Savyskhin, S.A. *see* Lepeshinskii, I.N. 1-38658
- Sawa, G., Nakamura, S., Ieda, M. Interfacial phenomena at electrode-nylon 6 at temperatures 80-120°C 1-27884
- Sawa, G., Yamanaka, S., Nakamura, S., Yamaguchi, S. Improvement of dielectric properties of plasma polymerized styrene with hydrogen plasma treatment 1-28144
- Sawa, M. *see* Kai, K. 1-29825
- Sawa, M. *see* Nakajima, H. 1-47754
- Sawa, S., Ono, K. Some design considerations for circular bends of optical slab waveguides 1-36891
- Sawa, S. *see* Ono, K. 1-40921
- Sawada, K. DC substation for Indonesian National Railways (PJKA) 1-44171
- Sawada, K. *see* Matsumoto, H. 1-40599, 1-46141
- Sawada, K. *see* Nakagawa, Y. 1-52532
- Sawada, T. *see* Tomita, K. 1-42144
- Sawada, T. *see* Tsubaki, I. 1-29642
- Sawai, A., Iwakami, T., Hiroaki, B., Hasegawa, T. Coaxial PCM transmission using duobinary scheme 1-47514
- Sawami, H. *see* Ikeuchi, M. 1-37353
- Sawamiphakdi, K. *see* Chang, T.Y. 1-39714
- Sawano, H. *see* Mori, T. 1-45679
- Sawase, T. *see* Hagiwara, Y. 1-27475
- Sawaya, K. *see* Martin, M.A. 1-47009
- Sawchuk, W. *see* Bown, H.G. 1-29399
- Sawiki, M., Kowalewski, A. Digital counter/timer. II 1-30173
- Sawitzki, G. Finite dimensional filter systems in discrete time 1-51832
- Sawochka, S.G. *see* Leibovitz, J. 1-53196
- Sawyer, G.A. *see* Talbert, W.L., Jr. 1-38326
- Sawyers, C.G. *see* Hanna, D.C. 1-41072
- Saxena, A.K. *see* Verma, H.K. 1-38097
- Saxena, P., Bahl, K., Bahl, K., Mathur, P.C. 1/f noise in Si avalanche diodes at X-band 1-32791
- Saxena, P., Mathur, P.C. Intrinsic noise in avalanche diodes. I. Theory 1-50909
- Saxena, P. *see* Mathur, P.C. 1-53628
- Saxena, P.C. *see* Patkar, V. 1-44985
- Saxena, R.B. *see* Avadhanlu, T.V. 1-53462, 1-53463
- Saxena, R.B. *see* Bharadwaj, F.G. 1-49463
- Saxena, R.R. *see* Borden, P.G. 1-35385
- Saxena, R.R. *see* Escher, J.S. 1-36426
- Saxman, A. *see* Appert, O. 1-46780
- Saxton, W.A., Edwards, M. Datacomm directions: Dealing with line troubles 1-41941
- Sayama, H., Inoue, K. Fault tree analysis 1-39359
- Sayers, B.McA. Statistical interface units and other new biomedical instrumental developments 1-52755
- Sayers, D.E. *see* Georgopoulos, P. 1-34540
- Saylor, C.H.M. *see* Man-Loong Chan 1-43598
- Saylor, C.R., Lathrop, J.W. Short interval testing of solar cells 1-44385
- Saylor, P.E. Adaptive parameters for the iterative solution of linear algebraic equations 1-50249
- Saylor, T.K., Bayfield, J.E., Gardner, L.D., Gulkok, Y.Z., Sharma, S.D. Accel-decel method of producing high-Q low velocity ions 1-38372
- Sazhin, M.V. *see* Stroikovskii, A.K. 1-30322
- Sazhina, S.A. *see* Gerashchenko, O.A. 1-42625
- Sazhnev, A.M. Computation of transient and stable processes in transformerless voltage converters 1-27081
- Sazma, A. Artificial lighting of stairways and halls in residential buildings 1-31654
- Sazonov, A.J. *see* Bazarov, E.N. 1-51374
- Scaccia, R.J. *see* Gomez, R.S. 1-45378
- Scadding, P. Design, manufacture, performance and installation of a ruggedized fiber-element optical cable 1-33073
- Scala, K. *see* Donaldson, J. 1-46218
- Scalapino, D.J. *see* Alvarez, R.A. 1-48449
- Scalapino, D.J. *see* Birk, D.L. 1-27603
- Scales, W. *see* Fee, J.J. 1-29707, 1-47620
- Scalet, R. *see* Panizza, E. 1-38603
- Scalley, B.R., Kasten, D.G. The effects of distribution voltage reduction on power and energy consumption 1-48954
- Scandale, W. *see* Boussard, D. 1-48497
- Scanlan, J.O. *see* Mavor, J. 1-40142
- Scanlan, R.M. *see* Zbasnik, J.P. 1-28373
- Scanlan, S.O. *see* Brazil, T.J. 1-32789
- Scanlan, S.O. *see* Mavor, J. 1-32345
- Scanlon, P.J. *see* Shepherd, F.R. 1-46164
- Scapin, D.L. Evaluation of an electronic mail language 1-47361
- Scarborough, K., Ahmed, N. Some considerations of time delay estimation 1-42298
- Scarborough, K., Ahmed, N., Carter, G.C. On the simulation of a class of time delay estimation algorithms 1-41663
- Scarff, P.L., Kiszka, L.J. Laser-patterned Ta<sub>2</sub>N resistors for thin-film circuits 1-45811
- Scarisbrick, J. Large scale multi-port memories permit asynchronous operation 1-28047
- Scarlett, W.R. *see* Binns, W.R. 1-48604
- Scarnera, M. *see* Barbato, C. 1-39172
- Scarpiero, W.J. *see* Bass, A. 1-27420
- Scarpetti, R.D., Kuenning, R.W., Wong, K.C. Beam optics in the FXR 1.5 MeV, 4 kA injector 1-48415
- Scarzello, Y. *see* Bourgeois, J.-P. 1-47323
- Scatena, L. Substation challenges construction and design forces 1-31301
- Scaturro, A.J. *see* Reid, R. 1-44276
- Scavennec, G., Vergnaud, D. Remote diagnosis: a new dimension in maintenance 1-42050
- Scavezze, D. Nodes sound off to control access to local network 1-41953
- Scerbo, L.J., Sibilia, J.T. COSMIC II frame system: the solution to central office growth 1-37799
- Schaad, W. The practical design of the HGF 100 range of SF<sub>6</sub> outdoor circuit breakers 1-31371
- Schaadt, R. *see* Fox, S.J. 1-37422
- Schachinger, E. *see* Lednegg, E. 1-46862
- Schacht, G.H. *see* Chai, H.D. 1-35198
- Schacht, P. *see* Behrend, H.-J. 1-43229
- Schachter, B.J. Real time display of textures 1-30502
- Schachter, L. *see* Ursu, I. 1-49225
- Schachter, M.-J. *see* Behrend, H.-J. 1-43229
- Schachtsieck, F. Gramophone record production: production process between the initial sound-foil and the pressing stage 1-38075
- Schad, R.G. *see* Tomkiewicz, Y. 1-27715
- Schade, H.-J., Niebel, H., Richard, R. The after-heat removal behaviour of KNK II as reflected in the evaluation of operating experience 1-43864
- Schade, O.H., Jr. Voltage matching circuit for ladder network 1-40084
- Schade, O.H., Jr. Thermal shutdown circuitry 1-40164
- Schade, R., Enzmann, W. Concept and structure of a complex software system for automatic test systems 1-47924
- Schadt, M., Gerber, P.R. Physical properties, multiplexability, blending and electrooptical performance in TN-LCDs 1-52542
- Schaefer, D.W. *see* Abbott, T.D. 1-38169
- Schaefer, E. Fault diagnosis of microprocessors. II 1-31892
- Schaefer, H.-H. *see* Grossmann, K. 1-31538
- Schaefer, M., Zacharias, H.J. Research on the fabrication on Mn-Zn ferrite powders using NaOH mixed precipitation 1-27185
- Schaefer, R. *see* Geist, J. 1-51276
- Schaefer, R. *see* Kraus, G. 1-40480
- Schaefer, T.J. GDS II: an efficient and extensible VLSI design system 1-32868
- Schaeff, J.A., Jr. *see* Hua-Kuang Liu 1-30570
- Schaeffer, W. *see* Glaab, J. 1-34014
- Schaer, G. Adherent zinc alloy and copper plates on aluminum 1-44553
- Schaerf, G. *see* Federici, L. 1-43268
- Schafer, B. *see* Hagedorn, P. 1-28947
- Schafer, F.P. *see* Periasamy, N. 1-28435
- Schafer, R. *see* Brinkowrh, G. 1-44569
- Schafer, R. *see* Gilbert, W.S. 1-48532
- Schafer, R.W., Mersereau, R.M., Richards, M.A. Constrained iterative restoration algorithms 1-29177
- Schafer, R.W. *see* Jain, V.K. 1-42476
- Schaff, W.J. *see* Morgan, D.V. 1-45978
- Schaff, W.J. *see* Oliver, J.D., Jr. 1-40399
- Schaff, W.J. *see* Woodward, D.W. 1-50789
- Schaffer, G., Signer, K., Stahl, U. Computer control of power systems 1-48935
- Schaffer, G.L. A CMOS A/D converter circuit for thermocouple temperature measurement 1-30113
- Schaffer, K. *see* Golbig, W. 1-31185
- Schaffner, H. Trigger circuits for thyristors and triacs: transformer or optocoupler? 1-45347
- Schaffner, H. *see* Nobis, R. 1-29571
- Schagelmann, B.M. *see* Susse, R. 1-39863
- Schairer, E. *see* Satyanarayana, B. 1-48780
- Schairer, W. *see* Gillesen, K. 1-46655
- Schakarjan, G.G. *see* Pogojan, J.M. 1-32986
- Schalkoff, R.J. Tracking nontextured video targets: a solvable problem in distributed parameter systems 1-42325
- Schalkwijk, J.P.M., de Brouwer, J.A.M. On the complexity of sequential decoders 1-33524
- Schalkwijk, J.P.M. *see* Wang, Y.-P. 1-33671
- Schalkwijk, J.P.M. *see* Willems, F.M.J. 1-33424
- Schallus, K. Partial contact protection of low-voltage apparatus and installations from the point of view of the user in electricity supply undertakings 1-30715
- Scham, M. *see* Hackstein, H. 1-45399
- Schamann, O. *see* Delwig, H.-A. 1-43506
- Schamano, R.G. *see* Fox, W.E. 1-43062
- Schamberger, R., Thum, E. DC machines of rectangular construction for torques from 300 to 3000 Nm 1-35193
- Schaming, W. Bernard *see* Bernard Schaming, W.
- Schanda, E. Experience with SEASAT [geophysical applications 1-30537]
- Schaner, J.Z. Program finds true transmission-line loss 1-46969
- Schanning, B.P. *see* Kowalchuk, J. 1-29382
- Schantz, C.A. *see* Hanson, E.G. 1-40929
- Schanz, G.W. Practical oscillography 1-48147
- Scharf, L.L., Beex, A.A., Von Reyn, T. Modal decomposition of covariance sequences for parametric spectrum analysis 1-37633
- Scharff, S.A. Computer-communications systems 1-33778
- Scharten, T., Nellen, J., van den Bogaart, F. Longitudinally slotted conical horn antenna with small flare angle 1-41390
- Schaschke, E.G. Stabilised surveillance payloads [remotely piloted vehicles] 1-30505
- Schatter *see* Furchert 1-31506
- Schatter, G. *see* Furchert, H.J. 1-49725
- Schatz, A. *see* Braun, W. 1-53177
- Schatz, J.R. The second-order Reed-Muller code of length 64 has covering radius 18 1-51778
- Schatz, R. *see* Battiwala, F. 1-35285
- Schatzle, E. Seeing in the dark 1-34282
- Schatzmann, G.P. Turbine overspeed control behaviour 1-43935
- Schatzmann, G.P. Turbine overspeed control behaviour 1-49291
- Schau, H.C. Kolmogorov-Smirnov test in image processing 1-37642
- Schau, P. A cooperative research project: creepage distances [insulators] 1-34906
- Schaub, P.E. *see* Shippey, E.D. 1-31491
- Schaub, S.R., Van Vliet, P. Subcyclic dynamic testing (SDT). One cost-effective solution to a critical problem 1-48238
- Schaubert, D.H., Farrar, F.G., Sindoris, A., Hayes, S.T. Microstrip antennas with frequency agility and polarization diversity 1-28998
- Schaubert, D.H. *see* Long, S.A. 1-28997
- Schauer, W. *see* Khan, H.R. 1-28305

- Schauer, W. *see* Krevet, B. 1-51101
- Schaufeld, J.J. *see* Parthe', A.C., Jr. 1-31823
- Schaumann, R., Farrell, S.R. A tuning procedure for the correction of parasitic and high-frequency effects in multiple-feedback filters 1-45518
- Schaumann, R. *see* Chiou, C.-F. 1-45484
- Schayes, R., Gustin, P. Electrostatic recording unit for desktop facsimile transceivers and its use as a line printer 1-47358
- Schchtskii, V.I. Analysis of control circuits of contactors of flameproof apparatus in mines 1-44268
- Schechinger, H.D. *see* Saur, E.J. 1-32992
- Schecht, S. *see* Wing, W.F. 1-46717
- Scheckel, B. *see* Werner, W.M. 1-28081
- Scheel, H. Present state and development trends in district heating systems in the German Democratic Republic 1-38890
- Scheel, H.J. *see* Bachtdol, W. 1-47675
- Scheel, H.J. *see* Gambino, R.J. 1-46470
- Scheel, W. *see* Albrecht, H.J. 1-32428
- Scheerer, H.J. *see* Daniel, H. 1-42899
- Scheffe, M. *see* Fortmann, T.E. 1-29790
- Scheffler, R.L. *see* Fung, K.T. 1-31139, 1-35109
- Schegelsky, V.A. *see* Burq, J.P. 1-52679
- Scheggi, A. *see* Brenci, M. 1-48747
- Scheggi, A.M. *see* Brenci, M. 1-51196
- Scheibe, A. *see* Helms, H. 1-32508
- Scheibe, A. *see* Kordus, A. 1-49059
- Scheibe, A. *see* Preuss, E. 1-27458
- Scheibe, P. *see* Fischer, V. 1-33325
- Scheibenzuber, H. Provision of test data and test programs in ATE projects 1-47923
- Scheiber, E.G. Actual questions of the electric power supply of DB's electrified railway lines 1-34811
- Scheiber, S., Longendorfer, B. In-circuit testing—testability requirements 1-50690
- Scheibmayr, W. Power operational amplifiers with inductive and capacitive loads 1-45281
- Scheidegger, R. *see* Muller, R.O. 1-30992
- Schein, J.D. From zero to line 21: closing the TV gap for deaf viewers 1-47820
- Scheinert, P.M. *see* Caspersen, L.W. 1-33251
- Scheingraber, H., Vidal, C.R. Near resonant third harmonic generation 1-46789
- Scheingraber, H. *see* Egger, H. 1-46672
- Schelhorn, R.L. Low-cost manufacturing techniques for thick-film microwave circuits 1-32513
- Schell, R.R., Kodres, U.R., Amir, H., Wasson, J., Tao, T.F. Processing of infrared images by multiple microcomputer system 1-41714
- Schellenberg, J.M., Yamasaki, H. An FET chip-level cell combiner 1-32404
- Schellenberg, J.M., Yamasaki, H., Maki, D.W. A 69 GHz FET oscillator 1-45681
- Schellenberg, P.J. *see* Mullin, R.C. 1-27022
- Scheller, R. *see* Rothmaier, K. 1-47487
- Schelling, A.W. *see* Striny, K.M. 1-46339
- Schelling, W. New trends in circuit integration for the entertainment electronics 1-47781
- Schellstede, G. Man-machine dialog via VDU control desks in power system control centres 1-30650
- Schemel, G.S. *see* Kraaij, D.J. 1-31283, 1-44142
- Schempp, A. *see* Junior, P. 1-38336
- Schempp, A. *see* Klein, H. 1-43088
- Schempp, A. *see* Muller, R.W. 1-48336
- Schenck, G.C., Harbert, D.Z. Radiation hardened multiprocessor 1-50527
- Schendel, B. *see* Draheim, P. 1-27455
- Schenk, F. *see* Harigel, G. 1-52718
- Schenk, K.F., Chan, S., Rau, N.S. Incorporation of method of moments in Wasp-II case study 1-49016
- Schenkel, F.W. *see* Fountain, G.H. 1-34665
- Schenkel, K.-D., Maslowski, S. New trends in data, speech and picture transmission 1-33646
- Schenker, P.S., Cande, E.G., Wong, K.M., Patterson, W.R., III New sensor geometries for image processing: computer vision in the polar exponential grid 1-41834
- Schenner, R. Optimal loading of urban distribution nets with reflection on losses due to undelivered electrical energy 1-53513
- Scherbich, A.V. *see* Khazanov, A.Sh. 1-37996
- Scherbina, Yu.V., Mel'nik, V.P., Roitelman, I.G. Power system modelling for selecting automatic frequency load shedding 1-43494
- Scherer, C.R. *see* Golabi, K. 1-43823
- Scherer, D., Chan, B.S., Ives, F.H., Crilly, W.J., Jr., Mathiesen, D.W. Low-noise RF signal generator design 1-30142
- Scherer, H.N., Jr., McElroy, A.J. Coordinating equipment reliability activities 1-30622
- Scherg, P. Of the sizing of crossflow induction heating units 1-53780
- Scherler, E. *see* Ebert, W. 1-34046
- Schermer, R. *see* Hoffmann, E. 1-28375
- Scherrenburg, M. Van *see* Van Scherrenburg, M.
- Scherrer, J.R. *see* Assimacopoulos, A. 1-41980
- Scherrer, V.E. *see* Vitkovitsky, I.M. 1-49620
- Schervish, M.J. Asymptotic expansions for the means and variances of error rates 1-35757
- Schery, S.D. *see* Sabol, B. 1-52701
- Schettler, H. *see* Effenberger, H. 1-30993
- Schettler, H. *see* Pollman, K. 1-36165
- Scheuerlein, R. *see* Dockerty, R.C. 1-46040
- Schewe, H. *see* Hoffmann, H. 1-28862
- Schiabel, A. *see* Rebaudo, M. 1-32580
- Schianchi, G. *see* Manfredi, M. 1-41001
- Schiavone, L.M. *see* Beni, G. 1-33082
- Schiavone, L.M. *see* Dautremont-Smith, W.C. 1-36979
- Schick, C. *see* Tolan, G.D. 1-48742
- Schick, J.D. Blind electrical probing in a scanning electron microscope 1-34347
- Schick, L. *see* Glaser, H. 1-31659
- Schiebaan, C. *see* Noomen, J.G. 1-48285
- Schiek, B. *see* Chaloupka, H. 1-48259
- Schiek, B. *see* Ostwald, O. 1-45166
- Schiekel, M., Sussenbach, H., Hellwig, W., Keiner, H., Peppel, G. Multi-colour plasma displays of high luminance 1-27772
- Schiedge, J.P., Kahle, A.B., Alley, R.E., Gillespie, A.R. Use of thermal-inertia properties for material identification 1-48842
- Schiemenz, P., Ehrlich, D., Frick, R., Graw, G., Meyer-Berkhout, U. The Munich polarized ion source 1-43156
- Schierig, S. *see* Kullig, P. 1-49108
- Schiff, E.A. Spin polarization effects in the photo-conductivity of a-Si:H 1-46605
- Schiffel, E. *see* Kohler, A. 1-38125
- Schiffers, A., Jentzsch, E.W., Flunkert, F., Pieper, B. Working experiences with combined operation in the RWE power stations Niederrhausen and Neurath 1-31016
- Schiffner, G. *see* Schoner, G. 1-36888
- Schild, W. The facts of transient intermodulation distortion. How important are dynamic distortions in Hi-Fi amplifiers? 1-45294
- Schildkraut, A.L. *see* Luca, V.A., Jr. 1-45751
- Schilke, P.W., Blazek, W.S., Schilling, W.F. Water-cooled gas turbine monometallic nozzle development 1-35069
- Schill, S. Multiple access to computer network resources 1-33815
- Schillebeeckx, G., Segers, A. Gas turbine at the Mol power station. II 1-31054
- Schiller, C. *see* Boulou, M. 1-40373
- Schiller, M. Fold-down logarithmic-periodic VHF antenna HL 026 1-29003
- Schiller, S., Heisig, U., Steinfelder, K., Strumpf, J., Sieber, W. Reactive DC high-rate sputtering with the magnetron/plasmatron for industrial applications 1-32082
- Schilling *see* Furchert 1-31506
- Schilling, D.L. *see* Milstein, L. 1-29060
- Schilling, E.G. ANSI/ASQC Z1.9 (1980)—a modernization of MIL-STD-414 1-50034
- Schilling, R. Prospects for the economic optimization of power station sub systems by means of reliability investigations 1-30873
- Schilling, R. *see* Lanz, O.E. 1-38801
- Schilling, R. *see* Rudiger, A. 1-37200
- Schilling, W.F. *see* Schilke, P.W. 1-35069
- Schilz, W.M. *see* Meyer, W. 1-38315
- Schimmerling, W. *see* Curtis, S.B. 1-30294
- Schindele, F. *see* Benndorf, H. 1-29637
- Schindl, K. Upgrading the CERN PS booster for SPS multi-pulse filling and antiproton production 1-43075
- Schindl, K. *see* Delahaye, J.P. 1-48458
- Schindler, G.M. *see* Newton, J.H. 1-28780
- Schindler, J.G., von Gulich, M. Technology of electrochemical solid-contact catheter sensors and telescope catheter electrode systems for the measurement of  $\text{Ca}^{++}$ ,  $\text{K}^+$ ,  $\text{Na}^+$ ,  $\text{Cl}^-$ , urea, pH,  $\text{O}_2$  and  $\text{CO}_2$  1-48673
- Schindler, R. *see* Botner, O. 1-34444
- Schindler, R.A. *see* Allen, C. 1-37660
- Schindler, S. Open systems, today and tomorrow—a personal perspective 1-41947
- Schindler, S., Schulze, J. Open systems interconnection: the session service 1-29427
- Schindler, S. *see* Burkhardt, H.J. 1-41946
- Schingen, M. Van *see* Van Schingen, M.
- Schinkel, J.W. *see* Elen, J.D. 1-32991
- Schiomi, M. *see* Ito, T. 1-32917
- Schipper, R.M. *see* van Houwelingen, J.C. 1-50163
- Schippers, K. *see* Luchtman, G. 1-49256
- Schirm, L. *see* Bucklen, W. 1-41632, 1-45369, 1-50598
- Schirm, L., IV A family of high speed, floating point arithmetic chips 1-40065
- Schirrmann, B.-O. Electronic fire alarm terminal stations—an essential part of the preventive fire protection 1-44658
- Schischa, E., Thompson, G. Testing technique for large-scale integrated circuits 1-45390
- Schistab, B. *see* Cockerill, D. 1-43233
- Schittko, F.J. *see* Althoff, K.H. 1-42878
- Schlaack, H.F. Periodic spectral filter with integrated optical directional coupler 1-33080
- Schlaack, H.F. *see* von Helmholt, C.H. 1-36989
- Schlaack, H.F. *see* von Helmholt, C.H. 1-40957
- Schlabach, J. *see* Koglin, H.-J. 1-30819
- Schlachetzki, A. *see* Fiedler, F. 1-39786
- Schlaflke, A.P. *see* Schneider, W.J. 1-42829
- Schlager, K.J. A general purpose image recognition system for unit material handling applications 1-30017
- Schlager, K.J. An incoherent optoelectronics millimeter-wave receiver 1-48112
- Schlake, R.L., Buckley, G.W., McPherson, G. Performance of third harmonic ground fault protection schemes for generator stator windings 1-44043
- Schlam, E. *see* Brindle, J. 1-30208
- Schlapfer, K. Classical and modern procedures for the reproduction of documents 1-33322
- Schlapp, W. *see* Weimann, G. 1-37144
- Schlapper, G.A. *see* Prelas, M.A. 1-28622
- Schlatter, A. Static protective relays for combined overload (with thermal replica) and short circuit protection of cables and distribution transformers 1-43800
- Schlatter, M. Comparative analysis of local area communication systems 1-41870
- Schlecht, M.F. Time-varying feedback gains for power circuits with active waveshaping 1-53539
- Schlecht, R.G., Paul, J.L. Advances in miniature lasers for ranging applications 1-28689
- Schlechter, E. The power supply for the underground railway line Belin-Pankow-Thalmanplatz 1-49741
- Schlegel-Bickmann, D.R. *see* Siebert, B.R.L. 1-52748
- Schleif, F.R. *see* Gish, W.B. 1-43986
- Schleithoff, K. *see* Weiler, H. 1-35034
- Schlesak, J.J. *see* Hendry, A. 1-46901
- Schlesinger, J. Continuous autocal feature aids resistance measurement 1-30161
- Schlesinger, S.P. *see* Birkett, D.S. 1-51487
- Schley, H.-G. *see* Wendt, D. 1-44544
- Schlicht, D. *see* Ecklin, G. 1-31383
- Schlicht, R.A. *see* Burke, M.F. 1-29328
- Schlicke, H.M. Electro-magnetic compossibility in perspective 1-28942
- Schlie, L.A. Anomalous dispersion effects in low-pressure atomic-iodine lasers at 1.315  $\mu\text{m}$  1-51357
- Schliermann, E. Optimisation of pass-out turbines for heating stations 1-31008
- Schliffenbacher, F., Thomanek, L. Sound success for multiplex-polarizing FM antennas 1-29030
- Schlimpert, O. *see* Birkholz, W. 1-42577
- Schlobach, H. Rational projecting of overhead contact line installations 1-49740
- Schlosser, W.O. *see* Wemple, S.H. 1-40588
- Schlote, J., Knoll, D. Axial inhomogeneity of the steady-state temperature distribution with the high temperature processing of large silicon wafers. I. Fundamental relations 1-36546
- Schlote, V.J., Knoll, D. Axial inhomogeneity of the steady-state temperature distribution with the high temperature processing of large silicon wafers. II. Influence of radiation shields 1-46035
- Schlotterbeck, D.L., Bartoo, R. Advanced microprocessor techniques in automobile and engine emission testing 1-38604
- Schlude, F., Wolfram, A.P., Werner, M. Status of the MRSE-project [remote sensing] 1-30541
- Schlude, F. *see* Alpers, W. 1-30557
- Schluter, K. *see* Dangel, J. 1-29554
- Schluter, K. *see* Kohne, J. 1-46319
- Schluter, P., Mark, R., Moody, G., Olson, W., Peterson, S. Performance measures for arrhythmia detectors 1-48729
- Schluter, P. *see* Mark, R.G. 1-52781
- Schlutsmeyer, A.P. *see* Rice, R.F. 1-38588
- Schmalzl, F. *see* Becker, H. 1-43968
- Schmalzl, F. *see* Habock, A. 1-47316
- Schmeckenbecher, A.F. *see* Harvilchuck, J.M. 1-27945
- Schmeiser, B. *see* Reiplinger, E. 1-39029
- Schmeiser, B.W. Random variate generation: a survey 1-31932
- Schmeits, M. *see* Mazur, A. 1-27853
- Schmelcher, T. *see* Preuss, B. 1-35281
- Schmelzbach, P.A., Gruebler, W., Konig, V., Jenny, B. A high efficiency ionizer for the ETH polarized ion source 1-43158
- Schmelzbach, P.A., Gruebler, W., Konig, V., Jenny, B. Production of intense beams of polarized negative hydrogen ions by the atomic beam method 1-48552
- Schmelzbach, P.A. *see* Gruebler, W. 1-43149
- Schmerl, J.H. Decidability and finite axiomatizability of theories of  $\aleph_0$ -categorical partially ordered sets 1-31978
- Schmid, A. *see* Bryant, G.W. 1-41130
- Schmid, E. A new 1 kW SW transmitting system KSS 1300 1-42177
- Schmid, F. A note on the strong consistency of least squares estimators in linear regression models 1-44839
- Schmid, F., Basaran, M., Khattak, C.P. Directional solidification of MG silicon by Heat Exchanger Method (HEM) for photovoltaic applications 1-50315
- Schmid, N. *see* Adam, S. 1-43053
- Schmid, O. Sure reading of pressure marks—with the pressure mark reader PMRI 1-52588
- Schmid, W., Elsasser, D. Two high-quality cassette decks from Grundig: CF 5100 and MCF 200 1-42483
- Schmidhuber, P.M. High-voltage cables 1-43693

- Schmidhuber, P.M.** HV cables for urban electricity supply 1-49112
- Schmidlin, P.** *see* Kahn, E. 1-48687
- Schmidt, B.** *see* Davids, P. 1-38894
- Schmidt, B.** *see* Dunneberg, G. 1-48080
- Schmidt, C.** *see* Ankenbrandt, C. 1-48573
- Schmidt, C.** *see* Weng, W.T. 1-48342
- Schmidt, D.J.** Error analysis of an air-to-surface missile with a synthetic aperture radar seeker 1-52128
- Schmidt, E.** Universal remote control—an important tool for consumption regulation 1-31384
- Schmidt, E., Heinze, D.** On the computer assisted design of switchgear 1-44258
- Schmidt, E.F.** The principles of photovoltaic energy conversion 1-49678
- Schmidt, G.** On the modelling of the combined generation of heat and electrical energy 1-35061
- Schmidt, G.** Fluids for the transport of energy in solar power stations 1-35096
- Schmidt, G.** *see* Behrend, H.-J. 1-43229
- Schmidt, G.** *see* Hase, W. 1-51243
- Schmidt, G.A., Bopp, L.A.** Identification of particles in high density polyethylene that cause spark failures during high speed extrusion 1-32450
- Schmidt, H.** Danfoss' programme of automatic controls for heating systems has been extended by the addition of a new weather compensator type ECT 601 [automatic controls for air conditioning and heating systems] 1-35519
- Schmidt, H.** Two new light-wave conductors from Felton and Guillaume 1-40897
- Schmidt, I.** *see* Halasz, S. 1-31578
- Schmidt, J.** *see* Boettger, K. 1-43976
- Schmidt, J.** *see* Reginato, L.H. 1-43061
- Schmidt, L.P., Itoh, T., Hoffmann, H.** Characteristics of unilateral fin-line structures with arbitrarily located slots 1-28957
- Schmidt, M.** *see* Makowiecki, D. 1-34500
- Schmidt, M.P.** *see* Leipuner, L.B. 1-43259
- Schmidt, N.A.** Coercive force and 90° domain wall motion in ferroelectric PLZT ceramics with square hysteresis loops 1-40740
- Schmidt, N.M.** *see* Ivanov, E.I. 1-32693
- Schmidt, P.** *see* Becker, D. 1-42127, 1-47301
- Schmidt, P.E., Octavio, M., Esqueda, P.D.** Single-carrier space-charge-controlled conduction vs. ballistic transport in GaAs devices at 77K 1-45926
- Schmidt, P.F., Pearce, C.W.** A neutron activation analysis study of the sources of transition group metal contamination in the silicon device manufacturing process 1-32740
- Schmidt, P.F.** *see* Katz, L.E. 1-32612
- Schmidt, R.D.** Computer modeling of fluid flow during production and environmental restoration phases of in situ uranium leaching 1-34980
- Schmidt, R.R.** *see* Nutter, S.W. 1-31889
- Schmidt, S.F.** The Kalman filter: its recognition and development for aerospace applications 1-33617
- Schmidt, T.** Measurement capabilities using a counter in automatic test systems 1-47919
- Schmidt, W.** Reliability of sodium-specific components 1-30921
- Schmidt, W., Streubel, R.** Automatic digitising of multi-colour sketches for printed circuit boards 1-36399
- Schmidt, W., Zwick, U.** Fabrication and test of optical fibre cables for military and PTT applications 1-33072
- Schmidt, W.** *see* Musfeldt, H. 1-43081
- Schmidt, W.B.** *see* Broussard, P. 1-39333
- Schmidt, W.J.** Microprocessors find niche in relaying 1-53135
- Schmidt, W.P.** A single-chip microcomputer family with serial hardware interface 1-32258
- Schmidt-Eul, W.** Improved efficiency due to modernisation in steel plants and rolling mills 1-53803
- Schmidt-Kuster, W.-J.** The role of nuclear power in securing future energy supplies 1-53188
- Schmidt-Parzefall, W.** Calorimeter read out methods 1-43218
- Schmincke, H.** Does Teletex change office work? 1-51938
- Schmit, B.** Testing of IBM 4300 multichip processor modules 1-27453
- Schmitt, A.** MTL/I<sup>2</sup>L storage cell 1-28093
- Schmitt, A.** Method of producing silicon dioxide layers with uniform thickness 1-36565
- Schmitt, A.** *see* Briska, M. 1-27920
- Schmitt, G.P.** *see* Blakeslee, M.C. 1-27679
- Schmitt, H.** von der *see* von der Schmitt, H.
- Schmitt, J.P.M.** *see* Devillon, B. 1-45106
- Schmitt, R.** *see* Blessing, R. 1-36413
- Schmitt, W., Lynch, E.** Survey of approaches to testing and diagnosing microprocessor-based systems 1-36229
- Schmitt-Wittrock, P.** *see* Adams, J. 1-35064
- Schmitz, G.** *see* Edenhofer, J. 1-27076
- Schmitz, G.V.** *see* Paradissis, P.P. 1-42188
- Schmitz, H.** From the stove to the heat pump—250 years development in heating technologies 1-38901
- Schmitz, H.** Instructions for planning, installation and operation of oil and gas heating boilers for heating plants of more than 150 kW capacity 1-43923
- Schmitz, K., Schwefel, H.P.** Energy system management by computer aided analysis and synthesis 1-26853
- Schmitz, R.** *see* Frese, H. 1-42973
- Schmitz, W.** Programmable spectrum analysers using the IEC bus 1-38154
- Schmolling, F.** *see* Lange, R. 1-42129
- Schmor, P.W.** *see* Baartman, R. 1-48338
- Schmotzer, J.** *see* Zankl, G. 1-48602
- Schmuser, P.** *see* Burkhardt, H. 1-43210
- Schmuser, P.** *see* Lecomte, P. 1-38430
- Schnabl, J., Laucht, C.M.** Project IDA progresses in Manitoaba 1-51893
- Schnable, G.L., Comizzoli, R.B.** CMOS integrated circuit reliability 1-32882
- Schnable, G.L.** *see* White, L.K. 1-40646
- Schnapf, A.** TIROS-N—operational environmental satellite of the 80s 1-52833
- Schnapper, C.** *see* Hofmann, A. 1-53387
- Schneberger, H.** *see* Hack, W. 1-29481
- Schneeberger, G., Gorol, R.** The influence of non-linear transmission elements on the quality of television sound using the two-carrier system 1-42376
- Schneeberger, M.** *see* Culetto, F. 1-30859
- Schneegans, M.** *see* Arnault, C. 1-43246
- Schneemeyer, L.F.** *see* Menezes, S. 1-40988
- Schneider, A.** A look at a PCB lab test 1-31302
- Schneider, A.J.** Programmable signal conditioners for vibration and dynamic pressure transducers 1-34267
- Schneider, A.J., Windham, J.P.** The performance characteristics of radiographic equipment: compliance with Federal regulations 1-30408
- Schneider, C.M.** *see* Penner, S. 1-38340
- Schneider, C.P.** *see* Murty, K. 1-30040, 1-31455
- Schneider, D.** Pattern recognition by classifying operations peculiar to symbols 1-42578
- Schneider, D.** *see* Lapetina, T. 1-38557
- Schneider, F.** Electronics and computer control in power transmission and distribution 1-30649
- Schneider, F.** *see* Jonker, M. 1-43256
- Schneider, G.** *see* Goldman, L.H. 1-38454
- Schneider, H.** *see* Behrend, H.-J. 1-43229
- Schneider, H.M.** The influence of voltage grading and insulation length on contamination performance 1-34920
- Schneider, I.** *see* Marquardt, C.L. 1-46796
- Schneider, J.** Adaptation of electronic equipment to automatic test systems with consideration of organisational and economical aspects 1-47921
- Schneider, J.D.** *see* Meyer, E.A. 1-43185
- Schneider, J.M.** *see* Salon, S.J. 1-38940
- Schneider, K.-H., Kolossa, I.** Flicker phenomena when starting heat pumps 1-53789
- Schneider, M.** A digitally controlled stereo amplifier with infrared remote control 1-34144
- Schneider, M.** The task, subject content and method of mathematics education of students in basic engineering studies 1-39314
- Schneider, M.** Multiplex switch for telephone conference at the studio 1-47461
- Schneider, M., Wening, M.** Three-phase AC drives with SIMOVERT A current source DC link converters 1-39147
- Schneider, M.B., Webb, W.W.** Measurement of submicron laser beam radii 1-33259
- Schneider, P.** *see* Huschidarian, K. 1-42152
- Schneider, P.J., Berkner, K.H., Graham, W.G., Pyle, R.V., Stearns, J.W.** Production of H<sup>+</sup> and D<sup>+</sup> by backscattering from surfaces 1-38396
- Schneider, P.J.** *see* Hiskes, J.R. 1-38398
- Schneider, R.C.** *see* Hartley, J.D. 1-45567
- Schneider, R.G.** *see* Yanizski, G.M. 1-32435
- Schneider, U.** *see* Daniel, H. 1-42899
- Schneider, W., Schroeder, A.N.F.** Improvement of the low gamma-energy response of great-volume Ge(Li) detectors by illumination with infrared light 1-34485
- Schneider, W.C., Garman, A.A.** Tracking and data relay satellite system: NASA's new spacecraft data acquisition system 1-42206
- Schneider, W.J., Brown, D.P., Briggs, J.J., Foerster, C.L., Halama, H.J., Schlafke, A.P., Werner, A.P.** First Cell magnet system tests [for ISABELLE refrigeration system] 1-42829
- Schneider-Muntau, H.-J.** Polyhelix magnets 1-51574
- Schneiders, N.J., Glaze, S.A., Bushong, S.C.** CT alignment probe for the dose profile insert 1-43306
- Schneidzik, P.** Grundig Super-Colour Camera FAC 1900—a step towards the home video studio 1-42427
- Schneier, N.J.** *see* Lao, B.Y. 1-46375
- Schnell, P.** Alternative energies—the illusion and the facts 1-53159
- Schnell, P., Dehli, M.** Possibilities of economic use of energy with the help of electric energy 1-49204
- Schnell, W.** Construction and performance plans for the LEP collider 1-38349
- Schnellenbach, G., Wrage, S.** Anchorage techniques in power station construction 1-30875
- Schnepple, W.** *see* Iwanczyk, J.S. 1-34503
- Schnettler, A.** Optoelectronic demodulation of laser-Doppler-signals 1-52426
- Schnitter, H.** *see* Morchen, H. 1-43138
- Schnitzel, R.H.** *see* Flachbart, R.H. 1-50697
- Schnizer, B.** *see* Ledinegg, E. 1-46862
- Schnobrich, W.C.** *see* Eugene Yu-Tze Chen 1-39644
- Schnuelle, G.W.** *see* Katz, I. 1-48775
- Schnug, A.** Electricity supply industry 1-38636
- Schnupp, L.** *see* Rudiger, A. 1-37200
- Schnuriger, J.C.** *see* Fiander, D. 1-48355
- Schnurmann, H.D., Vidunas, L.J., Jr., Wong, C.Y.** Testing of tri-state driver circuits 1-36186
- Schnyders, H.C., Jordan, M.** Energy correlation technique for small P-wave detection in the presence of noise 1-48720
- Schock, H.-W.** *see* Bloss, W.H. 1-53682
- Schod, P.** Digital technology—foundation for voice security 1-47563
- Schoell, E.** Micros run in Tiny BASIC 1-36167
- Schoen, N.C.** Characterization of a transverse particle acceleration system 1-48300
- Schoenberg, L.N.** *see* Bartlett, C.J. 1-50672
- Schoenfeld, D.** The asymptotic properties of non-parametric tests for comparing survival distributions 1-35760
- Schoenmaekers, W.** *see* Kaufman, L. 1-34422
- Schoenthaler, D.** *see* Brodsky, W.L. 1-50007
- Schoenwald, J.** *see* Wise, J. 1-36768
- Schoenwald, J.S., Harker, A.B., Ho, W.W., Wise, J., Staples, E.J.** Surface chemistry related to SAW resonator aging 1-36767
- Schoenwald, J.S.** *see* Lao, B.Y. 1-46375
- Schoessow, E.P., Bennett, J.C.** The plane wave synthesis technique for antenna near-field/far-field transformation: further developments 1-41320
- Schoffield, J.** *see* Murray, R.J. 1-36781
- Schoggen, W.O., Ingels, F.M., Mann, D.R., Coffey, R.E., Atherton, J.** A bit transition density encoder for the space shuttle 2 MHz data channel 1-42225
- Scholer, M.** *see* Siebert, B.R.L. 1-52748
- Scholkopf, W.** Solar experiment optimises collectors 1-53623
- Scholl, E.** *see* Robbins, D.J. 1-45951
- Scholl, F.W.** Spatially resolved photoconductivity of polycrystalline silicon 1-46613
- Scholl, H.** Status of automotive electronics in Germany 1-31617
- Scholl, M.S., Wolfe, W.L.** Infrared target design: fabrication considerations 1-42535
- Scholdorf, A.** *see* Ben-Zvi, I. 1-48428
- Scholdorf, A.** *see* Brennan, J.M. 1-42947
- Scholtis, G.** *see* Berndt, G. 1-44418
- Scholtyssek, D.** Units for light installations. Hanover Fair 1981 1-53772
- Scholtz, M.** Pulse-width control for model railways 1-49511
- Scholz, E.** Test equipment for the amateur 1-30163
- Scholz, F.** Long term heat storage in connection with power/heat coupling 1-43895
- Scholz, H.P.** *see* Ebeling, W. 1-48344
- Schommartz, G.** To the classification and system-theory of analogue-digital converters 1-40172
- Schon, G.** Safety in industry 1-35609
- Schon, G.** *see* Rueff, M. 1-28356
- Schon, K.** *see* Gitt, W. 1-45061
- Schonauer, H.** *see* Baribaud, G. 1-42934
- Schonauer, H.** *see* Carter, C. 1-42940
- Schonauer, H.** *see* Delahaye, J.P. 1-48458
- Schone, P.** A contribution to the compatibility of space-related and head related stereophony 1-29919
- Schoner, G., Schiffner, G.** Coupling properties of a double-core single-mode optical fiber 1-36888
- Schonfelder, G.** *see* Dubrau, H.-J. 1-52349
- Schonfelder, J.L., Razaz, M.** Error control with polynomial approximations 1-35875
- Schleinle, A.** *see* Klein, H. 1-43088
- Schonrock, H.-J.** Magnetic bubble storage systems. Introduction of the Intel 1 Megabit system 1-36837
- Schonwaller, K.** *see* Petter, B. 1-44444
- Schonwise, C.D.** Long European temperature series spectral variance regional classification and application performing a statistical-prognostic filter model for the region north of the Alps 1-38586
- Schooley, J.F.** Progress towards a new scale of temperature 1-52324
- Schooley, L.C., Davis, G.R.** Jitter effects on bit error rate reexamined 1-47129
- Schoombie, S.W., Botha, J.F.** Error estimates for the solution of the radial Schrodinger equation by the Rayleigh-Ritz finite element method 1-35873
- Schooneveld, C.** Van *see* Van Schooneveld, C.
- Schoonjans, H.** *see* Bosmans, L. 1-49542
- Schoonman, J., Kamphorst, J.G., Hellstrom, E.E.** Novel solid electrolytes in the system Li<sub>2</sub>GeO<sub>4</sub>-Li<sub>2</sub>ZnGeO<sub>4</sub>-Li<sub>2</sub>PO<sub>4</sub> 1-44343
- Schopf, G.** *see* Bielek, K.-H. 1-42244
- Schopper, E.** Practice-oriented functional tests on insulation systems for machines and transformers 1-53357
- Schopper, E.** *see* Musil, R.J. 1-35236

- Schopper, H. Two years of PETRA operation 1-34407
- Schopper, H. The experimental programme for LEP 1-38350
- Schor, M.I. *see* Desai, R. 1-29089
- Schornor, R. *see* Hezel, R. 1-49687
- Schot, J.A. *see* Goemans, P.A.F.M. 1-49762
- Schot, J.A. *see* Rahman, M.A. 1-53374
- Schotland, R.M. Dye lasers: triaxial and quadraxial flashlamp-pumped types compared 1-28663
- Schotola, T. *see* Ruske, G. 1-41591
- Schott, H. *see* Krakowski, H. 1-39916
- Schott, W. Solid-state relays as driver module for power components 1-45739
- Schott, W. *see* Daniel, H. 1-42899
- Schott, W. *see* Hack, W. 1-29481
- Schott, W.A. Roles for thermography in utility company residential energy audits 1-53015
- Schotzau, H.J., Sturzenegger, Ch. Basic research for the development of SF<sub>6</sub> circuit breakers 1-31369
- Schou, V. *see* Boillot, J. 1-42937
- Schow, F.L., Riazzi, A., Gandhi, O.P., Grow, R.W. Spatial resolution of an intracavity image upconverter 1-37206
- Schow, F.L., Riazzi, A., Gandhi, O.P., Grow, R.W. Enhancement of coherent fields using resonant cavities 1-51524
- Schewengerdt, R.N., Koch, W.P. Closed-loop testing best for missiles 1-52837
- Schrader, K. Opto-electronics in microcomputers 1-30206
- Schrader, K.H. *see* Berndt, G. 1-44418
- Schrader, L. *see* Preuss, E. 1-27458
- Schrader, M.E. *see* Savage, D.E. 1-44020
- Schrader, W. Generating of oscillating switching voltages by means of modified pulse voltage test generators 1-49190
- Schradi, H. *see* Henle, M. 1-38213
- Schrage, L. *see* Gunawardane, G. 1-39627
- Schramm, H.H. *see* Ruhnu, W. 1-31378, 1-35302
- Schrank, H.E. *see* Hacker, P.S. 1-51680
- Schreck, R. *see* Netter, P. 1-48590
- Schreckengost, J.F. *see* Yang, M.C.K. 1-35775
- Schreder, I.B. *see* Krasnobajev, N.I. 1-53750
- Schreiber, G. Illumination characteristics of fixed light signals for road traffic. II. Aspects of further development of signal lamps 1-44468
- Schreiber, H. Limitations and prospects of ripple remote-control 1-53791
- Schreiber, H.-U. Activation energies for the different electromigration mechanisms in aluminium 1-46088
- Schreiber, R., Bardl, A., Betzi, H., Feil, M., Mauthe, M., Traub, K. Narrow-bandwidth passive recursive CCD bandpass filter 1-32331
- Schreiber, R., Betzl, H., Bardl, A., Feil, M. Band-pass filters with CCD resonators 1-27495
- Schreiber, R., Feil, M., Betzl, H., Bardl, A., Traub, K. Passive CCD resonator filters 1-40089
- Schreiber, R. *see* Betzl, H. 1-50549
- Schreiber, V., Christ, A. Measurement of local heat transfer coefficients 1-42758
- Schreiner, H. *see* Hassler, H. 1-44262
- Schreurs, J., Johnson, J.L., McNab, I.R. Characterization of thick films formed on slip rings during high current density operation 1-35112
- Schreyer, H.L. *see* Baker, C.C. 1-35016
- Schreyer, H.L. *see* de Paz, J.F. 1-30915
- Schreyer, W.E. The broadcasting measuring receiver type ESH3 1-42388
- Schriber, S. *see* Conetti, S. 1-42877
- Schriber, S.O. Accelerator structure development from room-temperature linacs 1-48416
- Schriber, S.O. *see* McKeown, J. 1-43060
- Schriber, S.O. *see* Ungrin, J. 1-48431
- Schriber, T.J., Andrews, R.W. A conceptual framework for research in the analysis of simulation output 1-39525
- Schrijver, A. *see* van Lint, J.H. 1-39573
- Schroder, D. Limits of rectifier powered DC machines as speed controlled drives 1-44400
- Schroder, D. *see* Grutzmacher, B. 1-31721
- Schroder, D.K. *see* Loh, K.W. 1-36753, 1-40540
- Schroder, D.K. *see* Neumark, G.F. 1-36459
- Schroder, F.S., Kwong, K.C. On line production of planning load data in substations 1-49018
- Schroder, G. On differentiation of interval valued functions 1-27074
- Schroder, H. *see* Baev, V.M. 1-51424
- Schroder, H.G. Coal with imagination 1-53266
- Schroder, J. *see* Schutte, H. 1-29198
- Schroder, V. *see* Behrend, H.-J. 1-43229
- Schroeder, A.H. *see* Kaufman, F. 1-50342
- Schroeder, A.N.F. *see* Schneider, W. 1-34485
- Schroeder, C.H., Wiggins, L.L., Wormhoudt, D.T. Flexibility of scale in large conventional coal-fired power plants 1-53269
- Schroeder, C.M. *see* Paek, U.C. 1-40940
- Schroeder, C.M. *see* Smithgall, D.H. 1-28495
- Schroeder, D.D. *see* Hines, R.E. 1-45828
- Schroeder, E.F. A new integrated audio compansion system 1-29955
- Schroeder, J.E., Zlotin, Y., Cheng, T.C., Wu, C.T., Dunlap, J.H. Design of a Polysil DC insulator 1-34917
- Schroeder, K.R., Kintner, P.M., Cornish, C.R., Green, R.R., Holzworth, R.H., II In situ data analysis on high altitude balloons using microprocessors 1-38583
- Schroeder, K.R. *see* Bertsche, W.R. 1-37982
- Schroeder, M.R. Direct (nonrecursive) relations between cepstrum and predictor coefficients 1-29131
- Schroeder, M.R., Atal, B.S. Rate distortion theory and predictive coding 1-37460
- Schroeder, M.R. *see* Calavrytinos, P.G. 1-33586
- Schroeder, R.E. Analysis and design of a highly efficient power stage for an 18-kHz 2.5-kW DC-to-DC converter 1-53554
- Schroeder, R.E. *see* Andersen, B.E. 1-53538
- Schroff, A.M., Palluel, P., Tonnerre, J.C. Recent test results for impregnated-tungsten cathodes 1-32547
- Schroll, P. *see* Kreutz, E.W. 1-46026
- Schroter, J. *see* Alpers, W. 1-30557
- Schroter, J. *see* Hudde, H. 1-34143
- Schroth, J.H. Highly reliable low-noise MM-wave mixers with whisker-contacted honeycomb diodes 1-45697
- Schrotter, S., Kuhlke, D. Intensity oscillation in a single-frequency CW dye ring laser due to back-reflections 1-33252
- Schruben, L.W. Control of initialization bias in multivariate simulation response 1-39527
- Schryber, U. Flattop system helps producing record quality beam 1-38358
- Schryber, U. *see* Adam, S. 1-43053
- Schubert, C.C., Fang, P.H., Kinnier, J.H. Electron-beam evaporated amorphous silicon multiple cascade solar cells 1-49689
- Schubert, C.C. *see* Fang, P.H. 1-53614
- Schubert, E. Bandpass function blocks for multiple feedback loop circuits under consideration of the drift of the complex gain 1-50552
- Schubert, H. Distress signal unit 65 for ATZ 65 local exchanges 1-42020
- Schubert, H. *see* Beierlein, G. 1-31357
- Schubert, H. *see* Kucera, J. 1-30782
- Schubert, W. *see* Decreton, M. 1-30250
- Schuch, R. *see* Egelhof, P. 1-43163
- Schuchardt, G. Automatic precision flatness measurement for large surfaces 1-52348
- Schuchardt, J.M., Newton, J.M., Morton, T.P. Millimeter wave imaging radiometer with optical design features 1-48110
- Schuchman, J. *see* Blewett, J.P. 1-51299
- Schuchmann, G., Hobein, D., Roggenbuck, G. A multi-purpose control and data processing system for development, quality and assembly 1-38123
- Schudy, R.B. *see* Bugely, F.L. 1-50968
- Schuegraf, K.K. Automated semiconductor diffusion systems 1-40627
- Schueller, G.I. Risk analyses and acceptance by the public of large power stations 1-30874
- Schuerch, W. *see* Traynor, R.J. 1-27341
- Schueren, A. *see* van der Schueren, A.
- Schuermeyer, F.L. GaAs IGFET digital integrated circuits 1-36686
- Schuessler, H.A., Chun-sing O Trapping of ions injected from an external source into a three-dimensional quadrupole trap 1-52628
- Schuessler, H.A. *see* Chun-sing O 1-43121, 1-46830
- Schuessler, P. Water-soluble flux technology [electronic equipment manufacture] 1-26925
- Schuessler, P. Outgassing products of multilayer board materials 1-27681
- Schuffny, R., Fischer, W.J., Moschwitz, A. The determination of threshold and breakdown voltage of short-channel MOS transistors by two-dimensional simulation 1-50952
- Schuft, H.-W. *see* Brauer, H. 1-31671
- Schuh, C.F. Monopoly or competition? A comparison between the USA and the German Federal Republic 1-33742
- Schukat, G. *see* Fanghanel, E. 1-35350
- Schuler, K.P. *see* Seely, M.L. 1-43165
- Schuler, M. *see* Ruge, I. 1-48701
- Schuller, I.K. *see* Zheng, J.Q. 1-32959
- Schuller, K.H. *see* Peter, F. 1-53236
- Schuller, K.-H. Process steam and district heating from nuclear power plants with light water reactors 1-38850
- Schulte, R.P. *see* Johnson, A. 1-34763
- Schulte, R.P. *see* Johnson, W.A. 1-30625
- Schultheiss, P.M., Weinstein, E. Lower bounds on the localization errors of a moving source observed by a passive array 1-41671
- Schultheiss, P.M. *see* Siu-Kay Chow 1-41654
- Schultz, B. On the inductive isomorphism of finite groups. II 1-35709
- Schultz, J. Notes on the prevention and cure of stray RF in the amateur station 1-37321
- Schultz, J.J. The MFJ Versa-Tuners [antenna tuners] 1-29034
- Schultz, K.R., Wong, C.P.C., Carlson, G.A., Smith, A.C., Jr. Small mirror reactor system designs 1-30944
- Schultz, L., Tsui, C.C., Yeh, J.T.C. Elimination of magnetic field background 1-28936
- Schultz, P.C. Fibre fabrication: processes and materials 1-36934
- Schultz, P.F., Moffett, D.R., Colton, E.P., Kponou, A., Hughes, V.W. Polarized H<sup>+</sup> ion source development for the AGS 1-43181
- Schultz, P.F., Parker, E.F., Madsen, J.J. Polarized proton source improvements at the ZGS 1-43161
- Schultz, R. Low attenuation and fast installation optical fibre connectors 1-46499
- Schultz, W. *see* Battiwala, F. 1-35289
- Schultze, E. *see* Braun, F.G. 1-29329
- Schultze, N., Winter, M. A modular technological system shaping-basis for a rational software development for microcomputers employed in BC and TV processes 1-34092
- Schulz, E. Development and supply of the world energy requirement 1-43815
- Schulz, E. *see* Dotzenrath, W. 1-49807
- Schulz, H. 30 years' anniversary of the department of electrophysics at the German Federal Railway's testing laboratory Munich 1-39383
- Schulz, J.C. *see* Stronge, W.J. 1-39647
- Schulz, K. On the upper semi-continuity of extremal point set map of a polyhedral convex set which depends on a parameter and some deductions 1-39632
- Schulz, P. Pions shoot cancer cells dead 1-38529
- Schulz, P., Hofmann, H. Design of correlation filters for the realisation in microacoustic technique 1-29173
- Schulz, W., Kosse, E., Blumel, D. A powerful computing program for automatic planning of distribution networks. II 1-49079
- Schulz, W., Leipzig, K.D.T., Kosse, E., Blumel, D. A powerful computing program to the automated planning of distribution networks 1-49077
- Schulz, W. *see* Knuth, W. 1-44426
- Schulz-DuBois, E.O. Laser Doppler anemometry 1-30267
- Schulze, D.R. *see* Abrokwhah, J.K. 1-50288
- Schulze, E. Multiple access TDM communication systems with enhanced channel utilization and security against failure and tapping 1-29526
- Schulze, H. Interactive graphic display systems—a means of production in the documentation of electric lines and cables and data source for network planning and operation 1-49020
- Schulze, J. *see* Schindler, S. 1-29427
- Schulze, W.A. *see* Gururaja, T.R. 1-36735
- Schulze-Allen, W. *see* Landstorfer, F.M. 1-41429
- Schumacher, R.A. *see* Kinney, E.R. 1-48593
- Schumacher, U. High-intensity vacuum ultraviolet continuum emission from intense relativistic electron rings 1-48326
- Schumacher, W. *see* Brunkhorst, J. 1-48138
- Schumaker, N.E. *see* Anthony, P.J. 1-32752, 1-37158
- Schumaker, N.E. *see* Swaminathan, V. 1-45932
- Schuman, H.K., Pflug, D.R., Thompson, L.D. Radiation from infinite arrays of arbitrarily shaped thin wire antennas 1-52158
- Schumann, G. *see* Falland, C. 1-48315
- Schumann, W. To the creep arcing of insulations with ice coating 1-30779
- Schunemann, K. *see* Hennawy, H.E. 1-37335, 1-45628
- Schunemann, K. *see* Reich, J. 1-27609
- Schunemann, K. *see* Saad, A.M.K. 1-46985
- Schuppler, R. *see* Bemann, H.-B. 1-32180
- Schuppler, S. Data transmission equipment 1-41995
- Schurer, C. *see* Reisse, G. 1-35973
- Schurger, K. A class of branching processes on a lattice with interactions 1-26988
- Schurmann, J. Machine recognition of letters and numbers 1-51855
- Schurz, J.R. *see* Gish, W.B. 1-43986
- Schuschlow, K. *see* Batow, S. 1-43838
- Schussler, H.H. Microelectronics in telecommunications 1-47333
- Schussler, H.W. *see* Steffen, P. 1-36233
- Schutt, H.-J., Gerdes, E. Cell for conductivity measurements at high heating rates 1-52558
- Schutt, J. *see* Jonker, M. 1-43256
- Schutte, H., Frydrychowicz, S., Schroder, J. Scene matching with translation invariant transforms 1-29198
- Schuy, S. *see* Wach, P. 1-34569
- Schwab, A. *see* Kollensperger, D. 1-44397
- Schwab, L.M. MILSATCOM system link availability prediction for polar and inclined orbits 1-29694
- Schwabe, R. *see* Wandel, K. 1-45935
- Schwabe, R.J. *see* Rzad, S.J. 1-36703
- Schwabe, U. *see* Jacobs, E.P. 1-46323
- Schwable, R. *see* Kahmen, H. 1-30536
- Schwadtke, D., Löffler, C. Problem formulation in the planning and realisation of engineering-oriented reliability work in power station automation 1-49939
- Schwahn, D. *see* Palacios, J. 1-45143
- Schwaier, A. *see* Breimesser, F. 1-30106
- Schwalbe, L.A. *see* Trussell, H.J. 1-37589
- Schwall, R.E. *see* Scudiere, J.D. 1-28290
- Schwan, H.P. *see* Fischler, H. 1-52808
- Schwartz, B. *see* Aspes, D.E. 1-32711
- Schwartz, B.B. *see* Murphy, R.J. 1-28299
- Schwartz, D.A. *see* Griffiths, R.E. 1-47975

- Schwartz, G.C.** *see* Logan, J.S. 1-27962, 1-27963
- Schwartz, G.C.** *see* Wen-Yang Lee 1-46085
- Schwartz, G.P.** *see* Aspnies, D.E. 1-32711
- Schwartz, G.P.** *see* Hebard, A.F. 1-28326
- Schwartz, H.** Reception techniques for the two sound-carrier method 1-34059
- Schwartz, H.R.** Characterization of Uralane 5753LV as a space approved encapsulant for traveling wave tubes (TWTs) 1-50725
- Schwartz, J.** *see* Rawdin, E. 1-52403
- Schwartz, M.** *see* Falland, C. 1-48315
- Schwartz, M.** *see* Maglaris, B.S. 1-29566
- Schwartz, M.** *see* Tak-shing P. Yum 1-33704
- Schwartz, M.I.,** Gagen, P.F., Hardwick, N.E., III FT3 lightguide transmission medium: initial performance results 1-37923
- Schwartz, P.** Challenge of the 1980s: highly productive LSI and VLSI testers 1-36650
- Schwartz, P.** Top-of-the-range oscilloscopes: what can be expected today...and tomorrow? 1-42651
- Schwartz, P.** 'Burn-in'—a guarantee of integrated circuit reliability 1-46194
- Schwartz, P.** Microprocessor controlled digital plotters generate the most complex traces 1-48135
- Schwartz, P.** Bottom of the range multimeters: lower and lower prices for enhanced performance 1-52503
- Schwartz, R.J.** *see* Lundstrom, M.S. 1-32781
- Schwartz, R.L.,** Melliar-Smith, P.M. Temporal logic specification of distributed systems 1-37770
- Schwartz, S.** *see* Erdi, G. 1-36096
- Schwartz, S.C.** *see* Lazar, A.A. 1-33503
- Schwartz, T.J.** Dual matched op amps serve instrumentation needs 1-36098
- Schwarz, E.,** Blaser, H., Hanselmann, E., Kieffer, H., Steffen, C. Radio broadcasting, present and future 1-34040
- Schwarz, F.C.,** Klaassens, J.B. A reversible smooth current source with momentary internal response for nondissipative control of multikilowatt DC machines 1-35420
- Schwarz, F.C.,** Klaassens, J.B. A reversible smooth current source with momentary internal response for nondissipative control of multikilowatt DC machines 1-44404
- Schwarz, F.C.,** Klaassens, J.B. A compact and comprehensive micro-electronic control system for an unorthodox inverter-converter 1-53540
- Schwarz, H.** Receiver techniques for the two-sound carrier system 1-52236
- Schwarz, H.** *see* Allen, M.A. 1-42954
- Schwarz, H.** *see* Pellegrin, J.-L. 1-42955
- Schwarz, H.F.** Carboxylated nitrile/PVC fluxed blends for extra-heavy-duty-cable jacket covers 1-32438
- Schwarz, H.G.** Current fed propulsion helps in energy saving 1-49724
- Schwarz, J.** A method of maintenance of independence in measuring the pulse disruptive voltage and time in SF<sub>6</sub> 1-30214
- Schwarz, J.** In the new technology, faster still Gate Arrays—user-specific standard components 1-50489
- Schwarz, R.** Correcting circuits of the first canonical system structure for electrical matching of piezoelectric thickness vibrators 1-30068
- Schwarz, R.** Design and development of a high-performance two-passenger electric automobile 1-31590
- Schwarz, R.** Three-dimensional model of a piezoelectric ceramic cuboid for longitudinal wave propagation 1-32901
- Schwarz, R.M.** *see* Robinette, G.J. 1-52877
- Schwarz, S.A.,** Barton, R.W., Ho, C.P., Helms, C.R. Studies of phosphorus pile-up at the Si-SiO<sub>2</sub> interface using Auger sputter profiling 1-40467
- Schwarz, T.A.** Magnetic head assembly with magnetoresistive sensor 1-40808
- Schwarz, T.A.** *see* Perez, H.S. 1-28243
- Schwarz, W.** A study of the problem of fault location in linear analogue circuits from the point of view of sensitivity theory 1-26956
- Schwarz, W.** *see* Landolt, J. 1-43868
- Schwarzenbach, H.U.,** Lechner, H., Steinle, B., Baltes, H.P., Schwendimann, P. Calculation of vibrations of thick piezoceramic disk resonators 1-40756
- Schwarzer, K.** To the classification of electrotechnical products by example of the medium-voltage cubicles 1-49395
- Schweder, T.** A simple test for a set of sums of squares 1-44827
- Schweer, R.,** Herbst, D., Hess, K.G., Hofflinger, B., Kleine, U., Manoli, Y. Design, simulation and measurement techniques for highly integrated analogue circuits 1-42526
- Schweer, R.** *see* Herbst, D. 1-40099
- Schweer, R.** *see* Kleine, U. 1-50393
- Schwefel, H.P.** *see* Schmitz, K. 1-26853
- Schweig, M.E.** *see* Enghauser, W.A. 1-37838
- Schweinfurth, J.** *see* Richter, R. 1-53231
- Schweizer, F.** *see* Angehrn, R. 1-38918
- Schweizer, R.C.** *see* Stakelon, T.S. 1-37939
- Schwelb, O.** *see* Chan, W.Y. 1-30059
- Schwendimann, P.** *see* Schwarzenbach, H.U. 1-40756
- Schweue, M.J.** Advanced space communications—developing technology today to meet tomorrow's military communications needs 1-47594
- Schwenk, F.C.** The SPS concept—an overview of status and outlook 1-31117
- Schwenk, H.R.** *see* Hurley, J.D. 1-35157
- Schwenker, R.O.** *see* Horng, C.T. 1-27994, 1-46447
- Schwenker, R.O.** *see* Ju, K. 1-51096
- Schwenker, S.W.** *see* Martin, J.A. 1-42895
- Schwenzfeier, W.,** Winterstatter, A. A laser optical method for measuring distances from a reference laser beam 1-34376
- Schwenzfeier, W.,** Winterstatter, A. An optical device for length measurement between a measuring point and a reference beam 1-52579
- Schwepe, F.C.,** Somuah, C.B., Morris, R.L., Chan, S.M. Emergency-state control of slow-speed dynamics 1-48963
- Schwepe, F.C.** *see* Morris, R.L. 1-34971
- Schwepe, F.C.** *see* Somuah, C.B. 1-43537, 1-43539
- Schwerdt, H.** *see* Constantinesco, A. 1-34605
- Schwerhoff, U.** *see* Pfeifer, T. 1-31896
- Schwerling, F.** *see* Peng, S.T. 1-51721
- Schwertman, N.C.,** Fridshal, D., Magrey, J.M. On the analysis of incomplete growth curve data, a Monte Carlo study of two nonparametric procedures 1-35730
- Schwertner, E.** Electrical accidents on construction sites 1-39351
- Schwerzel, R.E.** *see* Mallozzi, P.J. 1-34529
- Schwertman, H.A.** *see* Lyneis, C.M. 1-48417
- Schwieger, E.** Recursive digital filters for real-time applications. I. Low-pass filters 1-50566
- Schwier, W.** A comparison of signal safety principles between relay techniques and electronics 1-31529
- Schwiesow, R.L.,** Lading, L. Temperature profiling by Rayleigh-scattering lidar 1-38581
- Schwind, M.** A system of pseudorandom sequences without crosscorrelation 1-29467
- Scibilia, V.** COP 410 digital clock 1-30268
- Scifres, D.R.,** Burnham, R.D., Streifer, W. Mesa waveguide GaAs/GaAlAs injection laser grown by metalorganic chemical vapor deposition 1-41082
- Scifres, D.R.,** Streifer, W., Burnham, R.D., Fekete, D. High-speed laser modulation with integrated-optic injection 1-37160
- Scifres, D.R.** *see* Burnham, R.D. 1-37157
- Scifres, D.R.** *see* Fekete, D. 1-33224
- Scifres, D.R.** *see* Streifer, W. 1-37124, 1-51457
- Scifres, D.R.** *see* Werthen, J.G. 1-36521
- Scilla, S.** *see* Murty, K. 1-31455
- Scire, M.** *see* Cockerill, D. 1-43233
- Sciubba, A.** *see* D'Agostini, G. 1-48577
- Sciuotto, G.** *see* Antognetti, P. 1-28003
- Sciver, S.W.** *see* Van Sciver, S.W.
- Sckerl, H.A.** *see* Ebrey, R.G. 1-35547, 1-50650
- Sclar, N.** Properties of high performance background limited p type Si:Zn photoconductors 1-33111
- Scobel, W.** *see* Horstmann, R. 1-38425
- Scobel, W.** *see* Krause, H. 1-38424
- Scobey, R.P.** Computer interface and algorithm determines bioelectrode impedance 1-48704
- Scobey, R.P.,** Howard, D.L., Gabor, A.J. A simple circuit to reduce the input capacitance of microelectrode amplifiers 1-30445
- Scorer, M.** The analysis of a flat plate twist reflector Cassegrain aerial using GTD 1-41317
- Scott, A.C.** *see* Christiansen, P.L. 1-51103
- Scott, B.A.,** Brodsky, M.H., Green, D.C., Plecenik, R.M., Simonyi, E.E., Serino, R. Deposition and doping of a-Si:H from Si<sub>2</sub>H<sub>6</sub> plasmas 1-45104
- Scott, B.A.,** Plecenik, R.M., Simonyi, E.E. Kinetics and mechanism of amorphous hydrogenated silicon growth by homogeneous chemical vapor deposition 1-50317
- Scott, B.N.,** Brehm, G.E., Seymour, D.J., Doerbeck, F.H. Octave band varactor-tuned GaAs FET oscillators 1-27624
- Scott, C.H.** *see* Jefferson, T.R. 1-31993
- Scott, D.** Over-and-under monorail system—a single beam for two-way taxis 1-49739
- Scott, D.G.** A second-generation autotest system for RF components 1-47933
- Scott, E.,** Geotschel, D. One check bit per word can correct multibit errors 1-33482
- Scott, G.B.** *see* Duggan, G. 1-32628
- Scott, G.B.** *see* Roberts, J.S. 1-39765
- Scott, J.** Solitaire telephone 1-33851
- Scott, J.B.** Measurement of cathode properties in close-spaced diode testers 1-32535
- Scott, J.C.** A simple null method for measuring the peak-to-peak amplitude of low frequency signals 1-52549
- Scott, J.R.** *see* Majewski, M.L. 1-45604
- Scott, M.H.** *see* Johnson, K.I. 1-45825
- Scott, M.W.** *see* Polla, D.L. 1-41016
- Scott, P.R.,** Craig, A.D. A statistical analysis of the traffic capacity of a multibeam multidesignation satellite 1-33940
- Scott, P.W.,** Southwell, W.H. Reflective optics for irradiance redistribution of laser beams. Design 1-37172
- Scott, R.I.H.** *see* Underhill, P.J. 1-36123
- Scott, R.S.** *see* Shackle, P.W. 1-27663
- Scott, T.L.** *see* Birtcher, R.C. 1-36843
- Scott, W.R.** Heat dissipation and instantaneous charge efficiency in sealed nickel-cadmium cells 1-31420
- Scott, W.R.,** Bloomfield, P.E. Durable lead attachment techniques for PVDF polymer transducers with application to high voltage pulsed ultrasonics 1-51066
- Scott-Holte, D.** Telematics in the UK 1-33729
- Scovell, P.D.** Pulsed thermal annealing of arsenic-implanted silicon 1-36551
- Scovell, P.D.** *see* Leitola, A. 1-27922
- Scovern, J.L.** Reducing solder defects using topical antistats 1-50671
- Scribano, A.** *see* Amendolia, S.R. 1-43238
- Scrivener, G.** *see* Stewart, C. 1-36990
- Scrogg, C.** The effect of uncertainties on estimates of the economic benefit of introducing alternative reactor types into an electricity generation system 1-35007
- Scroop, I.W.,** Clarke, J. Recent data on centimetric airborne radar clutter 1-42336
- Scrutchin, T.W., Jr.,** Trimble, R.W. Multi-access data sharing facility utilizing magnetic bubble storage 1-28270
- Scudder, R.K.** *see* Edison, J.C. 1-50963
- Scuderi, R.** *see* Papathomas, T.V. 1-42088
- Scudiere, J.D.,** Schwall, R.E., Mortensen, K.A., Hazelton, D.W., Zeitlin, B.A. Physical, mechanical and electrical properties of MF NbTi superconductors 1-28290
- Scudiere, J.D.** *see* Walker, M.S. 1-31669
- Sculford, J.-L.** *see* van Amerongen, G. 1-44317
- Scully, J.K.** Evaluation of test performance objectives through flow simulation 1-35622
- Se June Hong,** Ostapko, D.L. A simple procedure to generate optimum test patterns for parity logic networks 1-33799
- Se-Ho Oh,** Yearn-Ik Choi, Yong-Se Kwon, Choong-Ki Kim Etched profiles of SiO<sub>2</sub> layer 1-27943
- Sea, C.S.S.** *see* Cheng-Tzu Thomas Hsu 1-45012
- Sea, R.G.** *see* Olsen, J.D. 1-29336
- Seal, J.J.** *see* Bolt, R.F. 1-52891
- Sealy, B.J.** *see* Gill, S.S. 1-50771
- Seaman, G.G.** *see* Ebrey, R.G. 1-35547, 1-50650
- Seaman, J.** Data-comm hardware: now you get more for less 1-51953
- Seamen, J.F.** *see* Martin, T.H. 1-48297
- Searcy, J.Q.** *see* Nelson, G.C. 1-49654
- Searcy, S.R.** *see* Goetze, A.J. 1-43516
- Searle, T.M.** *see* Turner, D.P. 1-45108
- Searles, S.K.** *see* Manuccia, T. 1-41060
- Sears, R.E.J.** Noise isolation switch for commercial broadband power amplifiers used in pulsed NMR 1-27664
- Searson, P.A.** *see* Rosenfeld, J.L.J. 1-27747
- Seashore, C.R.** Millimeter optics: a system application overview 1-47997
- Seastrom, B.,** Goodwin, G. Deglitcher—delay circuit serves also as pulse generator 1-39979
- Seay, T.S.** *see* Mersereau, R.M. 1-47174
- Sebaa, J.-P.** *see* Sarabayrouse, G. 1-28023
- Sebauer, R.** Picture screen text 1-29393
- Sebek, A.** *see* Pavlovsky, B. 1-30717
- Seberry, J.** Some remarks on amicable orthogonal designs 1-27025
- Sebko, V.P.** *see* Bashtannikov, L.A. 1-38272
- Sebo, S.A.** *see* Caldecott, R. 1-53064
- Sebok, S.** Four laboratory tests evaluate MW synthesizers 1-30146
- Sebrosky, R.A.,** Sienkiewicz, G.C. Snap-fit sterile connector 1-27669
- Secco-Suardo, G.M.** *see* De Luca, A. 1-39250
- Secombe, S.D.** *see* Mikkelsen, J.M. 1-32311
- Secker, P.E.** Instruments to measure static 1-30188
- Secker, P.E.** Miniaturized high voltage power supplies for electrostatic devices 1-39060
- Secker, P.E.,** Wales, J., Macrosson, W.D.K. The university-industry interface 1-31799
- Secker, P.E.** *see* Mitchell, D. 1-37280
- Sedacca, B.** Bubble memories 1-40828
- Sedakov, Yu.Ye.** *see* Kurenkov, Ye.F. 1-46441
- Sedek, E.** An analysis of scattering matrix eigenvalues of a TEM three-port junction including a ferrite element 1-27604
- Sedel'nikova, Z.V.** *see* Vasil'ev, E.N. 1-37301
- Sederholm, C.H.,** Van den Berg, J.W. Intelligent telephone 1-33852
- Sedgwick, T.** *see* Deluca, J.C. 1-36812
- Sedgwick, T.O.** Pyrometric measurement of temperature during CW argon-ion laser annealing and the solid-state regrowth rate of amorphous Si 1-50747
- Sedlacek, J.,** Venkreb, J. Materials base for the active optoelectronic structures 1-46600
- Sedlacek, M.** Suppressing the series mode interference in digital voltmeters—calculation and measurement 1-42672
- Sedov, B.M.** *see* Divin, G.D. 1-33210
- Sedra, A.S.** *see* Martin, K. 1-36064, 1-45471, 1-50396

- Sedra, A.S.** *see* Snelgrove, W.M. 1-45478
- See, B.A.** Pulse transmission mode laser 1-28700
- See, Y.C., Guha, S., Falk, J.** Coupled optical resonators for the enhancement of laser intracavity power 1-33246
- Seeber, G., Egge, D.** Position determination by a satellite Doppler method in a moving situation 1-43432
- Seed, A.** Quality circles 1-39428
- Seefeld, H.** *von see* Seefeld, H.
- Seeger, R.O.** *see* Dorler, J.A. 1-40685, 1-40689
- Seeger, R.O.** *see* Jaudus, D.K. 1-28260, 1-28261
- Seehase, H.** Plasma-sprayed evaporation crucible 1-27143
- Seeker, S.A.** Protecting substation equipment with MOV surge arresters 1-43798
- Seeley, J.S., Hunneman, R., Whately, A.** Temperature-invariant and other narrow-band IR filters containing PbTe, 4-20  $\mu$  1-46599
- Seelman-Eggebert, G.** A proposal for a simple, low cost distress system for endangered telephone subscribers 1-29345
- Seely, M.L., Bergstrom, M.R., Dhawan, S.K., Fong-Tom, R.A., Hughes, V.W., Oppenheim, R.F., Schuler, K.F., Souder, P.A., Kondo, K., Miyashita, S., Nakano, I., St. Lorient, S.J., Guo, Y.-N., Winnacker, A.** Dynamic nuclear polarization of irradiated targets 1-43165
- Seeman, J., Adams, K., Billing, M., Blum, E., Gareyte, J., Kirchessner, J., Littauer, R., McDaniel, B., Meller, R., Peck, S., Peggs, S., Rice, D., Rouse, G., Siemann, R., Sundelin, R., Talman, R., Tigner, M., von Borstel, E.** A single beam multibunch instability at CESR 1-43023
- Seeman, J.** *see* Billing, M. 1-42862
- Seeman, J.** *see* Rice, D. 1-42989
- Seeman, J.** *see* Sundelin, R. 1-43084
- Seery, J.B.** *see* Gatto, M.A. 1-39497
- Seery, J.B.** *see* Hall, H.M. 1-37563
- Seery, J.B.** *see* Kaufman, L. 1-47265
- Seewer, M.** *see* Ebert, W. 1-34046
- Sefko, J.** *see* Del Vecchio, R.M. 1-28839
- Sega, R.M.** *see* Martin, V.M. 1-52551
- Sega, S.** *see* Murakami, H. 1-34086
- Sega, W.** *see* Bem, D.J. 1-28971, 1-29007
- Segal, A.M.** Optimal design of a coil for an induction-dynamic mechanism 1-44266
- Segal, B.** The estimation of worst-month precipitation attenuation probabilities in microwave systems design 1-28879
- Segal, B.** An analytical examination of mathematical models for the rainfall rate distribution function 1-28880
- Segal, B.** *see* Kheirallah, H.N. 1-28884
- Segal, Y.** *see* Norea, A. 1-45139
- Segal, Z.** *see* Evans, R.T. 1-45747
- Segall, A.** Advances in verifiable fail-safe routing procedures 1-33702
- Segall, A., Sidi, M.** A failsafe distributed protocol for minimum delay routing 1-37668
- Segall, A.** *see* Zerbib, F.B.M. 1-37677
- Segall, S.B.** *see* Hiddleston, H.R. 1-46662, 1-51315
- Segami, K.** *see* Kitayama, T. 1-52110
- Segawa, K.** *see* Mitsui, Y. 1-28021
- Segawa, K.** *see* Suzuki, T. 1-46178
- Segawa, T., Ohtsubo, T., Ishikawa, T., Tamaru, T., Kanamori, A.** Flue gas treatment system for coal fired thermal power plants 1-31010
- Segers, A.** *see* Schillebeeckx, G. 1-31054
- Seggern, H.** *von see* Seggern, H.
- Segler, S.** *see* Beechy, D. 1-42953
- Segler, S.** *see* Zagel, J.R. 1-42800
- Segler, S.L.** *see* Bogert, D. 1-42923
- Segmuller, A.** *see* Chin-An Chang 1-39766
- Segro, N.R., Woelfler, D.R.** Molding problems causes and solutions 1-26944
- Seguier, G.** *see* Bausiere, R. 1-31309
- Seguier, G.** *see* Boulmer, M. 1-35254
- Seignignes, D.** *see* Penavaire, L. 1-36774
- Seguin, H.J.J., Capjack, C.E., Antoniuk, D., Seguin, V.A.** A magnetically stabilized radial discharge for a high-powered laser 1-51331
- Seguin, H.J.J., Nam, K.H., Dow, J., Seguin, V.** Crossed-tube fluid-ballasted electrode pair for EDL applications 1-46773
- Seguin, V.** *see* Seguin, H.J.J. 1-46773
- Seguin, V.A.** *see* Seguin, H.J.J. 1-51331
- Seguinot, J.** *see* Eklof, T. 1-43248
- Sehra, J.S.** *see* Sen, A.K. 1-33343
- Sei, J.** *see* Saikan, S. 1-46705
- Sei-Joo Jang** *see* Cohen, L.G. 1-28498
- Seibert, G.** *see* Kassing, D. 1-53313
- Seibles, L.** *see* Reager, B.T. 1-32466
- Seidel, D.** *see* Gollnick, D. 1-33819
- Seidel, D.B.** *see* VanDevender, J.P. 1-33376
- Seidel, S.** *see* Uhlmann, W. 1-49605
- Seidel, T.E.** *see* Ahuja, B.K. 1-33871
- Seidel, T.E.** *see* Robinson, McD. 1-36670
- Seidel, W.** Economy, market prospects and future of the electrically-driven heat pump 1-39217
- Seiden, E.** On the number of nonisomorphic designs in a repeated measurement experiment 1-27026
- Seidenfeld, M.** *see* Yu, K.K. 1-28134
- Seidl, R.** *see* Kussin, G. 1-42064
- Seidowski, T.** Thermal problems in microcontact bonding of semiconductor chips to printed circuits 1-27732
- Seidowski, T.** *see* Lauterwald, B. 1-53824
- Seifert, E.** *see* Albert, D. 1-48543
- Seifert, F.J.** *see* Kowatsch, M. 1-33485, 1-37406, 1-39987, 1-42309
- Seifert, J.** *see* Weber, R.C. 1-31142
- Seifert, W., Fitzl, G., Butter, E.** Study on the growth rate in VPE of GaN 1-39774
- Seikai, S.** *see* Kato, Y. 1-28452
- Seikai, S.** *see* Kitayama, K. 1-36871, 1-51404
- Seikai, S.** *see* Ohashi, M. 1-51148
- Seikai, S.** *see* Shibata, N. 1-30271, 1-33033, 1-46513
- Seikai, S.** *see* Tateda, M. 1-28451
- Seiler, D.G., Goodwin, M.W., Weiler, M.H.** High-resolution two-photon spectroscopy in InSb at milliwatt CW powers in a magnetic field 1-46620
- Seilmeier, A.** *see* Kopainsky, B. 1-28674
- Seimecke, S., Fritzsche, H., Lobkowicz, J.** High speed optical data transmission system using LEDs 1-29760
- Seino, S.** *see* Ohishi, T. 1-34685
- Seinsch, H.O.** *see* Fruchtenicht, J. 1-31497
- Seinsch, H.O.** *see* Jordan, H. 1-31519
- Seinsch, H.O.** *see* Rogge, D. 1-35167
- Seipp, E.** *see* Jaeger, H. 1-40453
- Seipp, E.** *see* Jager, H. 1-49706
- Seisyan, R.P.** *see* Zakgeim, A.L. 1-51292
- Sejvar, J., Crotzer, M.E., Frank, F.J.** Evaluation of PWR radiation fields and out-of-core surface activities 1-53228
- Seka, W., Sours, J.M., Jacobs, S.D., Lund, L.D., Craxton, R.S.** GDL: a high-power 0.35  $\mu$ m laser irradiation facility 1-51415
- Seka, W.** *see* Bunkenberg, J. 1-51410
- Sekalec, J., Brkic, I.** Reliability test of electronic watches 1-39437
- Sekar, S.** Studies of corona in wire-plane electrode system with backdischarges 1-37279
- Sekar, S., Stomberg, H.** On the prediction of current-voltage characteristics for wireplate precipitators 1-37271
- Sekesh, I.** Dynamic priority transmission of messages in computer networks 1-29417
- Sekharan, K.K.** *see* Martin, S.D., Jr. 1-48599
- Seki, H., Onoda, M.** The steady-state analysis of nonlinear networks using discrete Fourier transform 1-45227
- Seki, H.** *see* Uchida, T. 1-40975
- Seki, K., Kamiya, T., Yanai, H.** Effect of waveguiding properties on the axial mode competition in stripe-geometry semiconductor lasers 1-37119
- Seki, K., Yanai, H., Kamiya, T.** Structure dependent axial mode stability in GaAlAs/GaAs injection lasers 1-33229
- Seki, K., Yanai, H., Kamiya, T.** Effect of transverse-mode confinement on spectral broadening in directly modulated injection lasers 1-41105
- Seki, N., Tsuturu, Y., Ichikawa, K.** Gating circuit developed for high power thyristors 1-53550
- Seki, N.** *see* Sakaguchi, H. 1-36872, 1-36929
- Seki, S., Furuno, K., Ishihara, T., Nagashima, Y., Yamanouchi, M., Aoki, T., Mikumo, T., Sanada, J.** The 12 UD Pelletron accelerator at the University of Tsukuba 1-42848
- Seki, S., Kanmuri, N., Yuki, S.** Advanced RF circuit miniaturization for 800 MHz land mobile radio unit 1-47570
- Seki, S.** *see* Izumi, K. 1-29362
- Seki, T.** *see* Hanaki, S. 1-47456
- Sekido, K.** Progress of microwave semiconductor devices in Japan 1-45669
- Sekigawa, K.** *see* Teshima, K. 1-52111
- Sekiguchi, A.** *see* Hasegawa, K. 1-48618
- Sekiguchi, A.** *see* Iwazaki, M. 1-32451
- Sekiguchi, A.** *see* Takashima, H. 1-37853
- Sekiguchi, H.** *see* Kai, K. 1-29825
- Sekiguchi, H.** *see* Nakajima, H. 1-47754
- Sekiguchi, K.** *see* Mitamura, K. 1-31628
- Sekiguchi, M.** *see* Ueda, N. 1-43159
- Sekiguchi, T.** *see* Endo, N. 1-41396
- Sekiguchi, T.** *see* Kinoshita, T. 1-46853
- Sekiguchi, T.** *see* Sunahara, Y. 1-28918
- Sekiguchi, Y.** *see* Sakaki, H. 1-50884
- Sekine, H., Togano, K., Tachikawa, K.** Superconducting current carrying capacities of the composite-processed Nb-Hf/Cu-Sn-Ga in high magnetic fields 1-32989
- Sekine, M., Ohtani, S., Musha, R., Irabu, T., Kiuchi, E., Hagiwara, T., Tomita, Y.** Weibull-distributed ground clutter 1-47708
- Sekine, M., Ohtani, S., Musha, R., Irabu, T., Kiuchi, E., Hagiwara, T., Tomita, Y.** Suppression of ground and weather clutter 1-37959
- Sekine, Y.** *see* Kurihara, I. 1-34747, 1-34748
- Sekine, Y.** *see* Park, T. 1-34817
- Sekine, Y.** *see* Uchida, N. 1-34794, 1-34795
- Sekino, A.** *see* Suzuyama, T. 1-44428
- Sekino, S.** *see* Izumi, T. 1-52949
- Sekiya, K.** *see* Akiyama, S. 1-43287
- Sekiya, S.** *see* Sumiyoshi, M. 1-38318
- Sekiya, T.** *see* Murakami, K. 1-53219
- Sekizawa, H.** *see* Iwamoto, A. 1-37223, 1-47791
- Sekizawa, K.** *see* Hiresaki, Y. 1-41200
- Sekkappan, R.M.** Subjective Bayesian multivariate stratified sampling from finite populations 1-44869
- Seko, A., Murakami, K.** Emission pulse delay in fiber laser plate and its application in optical logic operation 1-28770
- Sel, C.G.** *van der see* van der Sel, C.G.
- Selberherr, S., Guerrero, E.** Simple and accurate representation of implantation parameters by low order polynomials 1-46063
- Selcuk, S.E., Cabot, A.V.** Fixed charge transportation problems and equivalent integer programming 1-35859
- Selders, J.** *see* Beneking, H. 1-39789
- Selenova, T.G.** *see* Geraskin, O.T. 1-49260
- Seluzina, R.A.** *see* Kornievich, G.S. 1-49193
- Seluznev, Yu.G.** *see* Aleksandrov, G.N. 1-30805
- Seluzneva, M.A.** *see* Maximovsky, S.N. 1-35948
- Selfridge, A.R., Kino, G.S., Khuri-Yakub, B.T.** Fundamental concepts in acoustic transducer array design 1-36808
- Selfridge, A.R.** *see* Chou, C.H. 1-36807
- Selga Jorba, J.M.** Introduction to routing in computer networks 1-47392
- Seliger, R.L.** *see* Kubena, R.L. 1-36630
- Seligman, D.R.** On the performance evaluation of decnet 1-37771
- Selim, S.M.** *see* Haselgrove, J. 1-39576
- Selin, J.** *see* Loughton, D. 1-47731
- Selivanov, A.I., Lazarev, V.A.** Study of a duration modulator in integral circuits 1-45342
- Selk, R.** *see* Thayer, D.R. 1-52120
- Sella, C.** *see* Redon, A.M. 1-31393
- Sellers, O.P., Swaffield, J.J.E., Stubbs, J.F.L., Lunt, S.** Growing in the sunshine (telephone networks) 1-41892
- Selleck, J.E., Shaw, Y.** Dual-bit switching network for read-only memory systems 1-46195
- Selleck, J.E., Shaw, Y.** Accessing circuitry and method for a read-only memory system 1-46196
- Selley, J., Nohel, J.** A peak-load power station with a combustion turbine and storage of pressurised air 1-38886
- Sellier, D.** CMOS sensitive contact 1-40269
- Sellin, B.** Concepts of training of professional engineers in Europe 1-49886
- Sellin, N.** Power supply device for passenger coaches 1-44425
- Sellin, N., Stolle, W.** Development tests at electronic power supply units in the rail vehicle construction 1-53521
- Selove, D.M.** *see* Persky, G. 1-46237
- Selove, W.** *see* Kononenko, W. 1-52672
- Selph, F.** *see* Magyary, S. 1-38333, 1-42922
- Selph, F.** *see* Pines, H. 1-42912
- Sel'skii, V.A.** *see* Novikov, V.B. 1-52353
- Selvester, R.H.** *see* Solomon, J.C. 1-48734
- Selyanenko, V.N.** Experimental methods of determining the power particulars of the flow of plasma in a welding arc 1-49832
- Selyanenko, V.N., Stepanov, V.V., Saifiev, R.Z.** The dependence of the pressure of the welding arc on the parameters of tungsten electrodes 1-35538
- Selyankin, P.N.** *see* Bondarenko, V.I. 1-28367
- Seman, G.W.** *see* Prime, J.B., Jr. 1-49116
- Semenenko, V.N.** *see* Lopata, V.A. 1-48674
- Semenikhin, V.N.** *see* Pungin, N.A. 1-27659
- Semenisty, K.S.** *see* Zubov, V.G. 1-30127, 1-30128
- Semenov, A.T.** *see* Goldobin, I.S. 1-37147
- Semenov, A.T.** *see* Luk'yanov, V.N. 1-37145
- Semenov, A.T.** *see* Rivlin, L.A. 1-36878
- Semenov, A.V.** *see* Vereshchagin, I.P. 1-46842
- Semenov, B.I.** Apparatus for burning through 10 kV cables 1-38756
- Semenov, G.I.** *see* Kupriyanov, N.G. 1-37149
- Semenov, M.V., Sharygin, V.S.** Assessment of permissible capital investments in hydroelectric power stations and pumped storage plants in conditions of intensification of nature-conservation requirements 1-31081
- Semenov, N.A.** The partial power law for a waveguide consisting of dispersive media [optical fibres] 1-28965
- Semenov, V.K., Vasenko, S.A., Likharev, K.K.** Dynamics of the long Josephson junctions 1-28333
- Semenov, V.K.** *see* Mel'nikov, N.S. 1-30317
- Semenov, V.K.** *see* Vasil'chenko, V.G. 1-50731
- Semenov, V.K.** *see* Vishnevskii, N.K. 1-30377
- Semenov, V.N., Eissengardt, G.A.** Evaluation of PEC characteristics with spatial image quantification 1-33148
- Semenov, V.V.** *see* Bashnin, O.I. 1-31090
- Semenov, V.V.** *see* Batishche, S.A. 1-33282, 1-46788
- Sementsov, A.N., Gogiya, A.I., Nosach, M.I.** Omega-tron studies of gas evolution from iron powders and compacts 1-35984
- Semenyuk, K.K.** *see* Gorobets, N.V. 1-42601
- Semenyushkin, I.N.** *see* Baldin, A.M. 1-42889
- Semerchan, A.A.** *see* Malikova, Zh.G. 1-36017
- Semet, A.** *see* Mansfield, D.K. 1-37070
- Semichastnova, Z.M.** *see* Andreeva, L.I. 1-52469
- Semikolennykh, M.N., Tolstov, I.A., Prokhorov, V.M., Nuriev, I.Kh.** The electrochemical cleaning of welding wire 1-53832

- Semiletov, S.A.**, Suleimanov, N.A., Nuriev, I.R. Low-temperature epitaxy of PbTe and  $\text{Pb}_{1-x}\text{Sn}_x\text{Te}$  1-32070
- Seminara, J.L.**, Parsons, S.O. Human factors review of power plant maintainability 1-49975
- Semlyen, A.** Ground return parameters of transmission lines an asymptotic analysis for very high frequencies 1-30767
- Semlyen, A.** Approximation to Carson's loss formulae 1-37332
- Semlyen, A.** *see* Deri, A. 1-49157
- Semo, J.** Construction of a high performance optical spectroscopy for cathodoluminescence in scanning electron microscopy 1-36449
- Semochkin, P.N.** *see* Varga, P. 1-51863
- Semotuk, V.N.** Study of computing properties of a recurrent procedure for calculating the determining minors of sparse polynomial matrices 1-27067
- Semyanisty, A.V.** *see* Logginov, A.S. 1-27353
- Semyenov, E.I.** *see* Zhuravin, L.G. 1-41733
- Sen, A.K.**, Sehra, J.S., Saha, B., Trehan, S.K. Anomalous seasonal variation of radio waves in the VLF, LF, MF and HF bands in relation to middle atmospheric phenomena 1-33343
- Sen, K.** Binary to BCD converter 1-27438
- Sen, K.**, Srivastava, R.S. The change in short-circuit current density with insulator layer thickness in MIS solar cells 1-44380
- Sen, N.** Winding wires and cables industry in the eighties—in retrospect and prospect 1-40257
- Sen, S.K.**, Jayaram, N.R. Exact computation of a matrix symmetrizer using p-adic arithmetic 1-39673
- Sen, T.K.** *see* Sridhar, N. 1-47005
- Sen-Yen Shaw, Juh-Tzeng Lue** An absolute measurement of optical reflectivity by modification of a WMS system 1-52592
- Sena, F.J.** *see* Hockman, A.J. 1-30192
- Senani, R.** Linear resistance-to-frequency conversion employing integrated circuit operational amplifiers 1-40186
- Senani, R.** Some new synthetic floating inductance configurations 1-54555
- Senba, H.** *see* Koshimura, I. 1-29918
- Senba, H.** *see* Uematsu, Y. 1-30036
- Senda, S.** *see* Nomura, M. 1-51910
- Senderak, K.L.**, Langley, R.L. Aircraft nickel-cadmium battery chargers and fault warning systems 1-30524
- Sendrane, G.** DC voltage converter for auxiliary voltage production 1-45259
- Sendyurev, V.M.**, Dzhangarov, N.F. Forming coordinate matrices during the development of a software system based on Park-Gorev equations 1-30686
- Senemoto, S.** *see* Iimura, O. 1-29312
- Senf, W.**, Werner, C. Computer-assisted development of hybrid integrated hyperfrequency circuits 1-50707
- Senger, K.** *see* Nestler, J. 1-27243, 1-39915
- Sengupta, P.K.** *see* Arya, N.S. 1-52720
- Sengupta, S.** *see* Hansen, E. 1-45026
- Sengupta, S.** *see* Mehta, S.K. 1-52818
- Senikovskii, I.V.**, Langen, A.M. Digital modeling of transients in an induction motor supplied by a voltage inverter 1-31238
- Senin, A.G.** A statistical optimization of the radiation pattern of an array antenna 1-33396
- Senior, G.** Transformer control improves as micros move into substations 1-35209
- Senn, P.** *see* Bois, D. 1-32849
- Senne, K.D.** *see* Horowitz, L.L. 1-37360
- Senno, H.** *see* Yanagiuchi, Y. 1-32976
- Sennott, J.W.**, Sennott, L.I. A queueing model for analysis of a bursty multiple-access communication channel 1-41842
- Sennott, L.I.** *see* Sennott, J.W. 1-41842
- Seno, A.** *see* Ishikawa, S. 1-49843
- Senoh, T.** *see* Odagi, K. 1-34157
- Senoo, T.** *see* Sudoh, T. 1-47946
- Sens, P.F.** The national research programme on wind energy 1-53328
- Senshu, T.** *see* Arai, A. 1-49811
- Senske, K.** *see* Fuchs, E.F. 1-49411
- Senske, W.** *see* Heime, A. 1-33161
- Sentovich, M.F.**, Haynes, J.M. Aircraft penetration under cloud cover 1-47952
- Sentovich, M.F.** *see* Johnson, C.R. 1-33683
- Sentsui, S.** *see* Furui, Y. 1-36950
- Senturia, S.D.**, Rubinstein, J., Azoury, S.J., Adler, D. Determination of the field effect in low-conductivity materials with the charge-flow transistor 1-50799
- Senzig, D.** *see* Neff, R. 1-29765
- Septier, A. (editor)** Applied charged particle optics. Part A 1-49864
- Septier, A. (editor)** Applied charged particle optics. Part B 1-49865
- Sequeda, F.**, Richardson, R.E. Silicon nitride deposition by plasma enhanced low pressure CVD technique 1-45119
- Sequin, C.H.** Doubly twisted torus networks for VLSI processor arrays 1-47405
- Sequin, C.H.** *see* Newton, A.R. 1-46206
- Sequin, G.** Binary convolutional codes derived from cyclic codes over  $\text{GF}(2^n)$  1-33522
- Sequin, G.** *see* Shiva, S.G.S. 1-37419
- Sera, K.** *see* Ishii, K. 1-48324
- Serafetinides, A.A.** *see* Kar, A.K. 1-41140
- Seragnoli, G.** *see* Bertotti, F. 1-39199
- Seraphin, B.O.** *see* Hey, P. 1-45898
- Serbancescu, D.** *see* Popescu, C. 1-45765
- Serbin, S.M.** *see* Dougalis, V.A. 1-39696
- Serdinov, S.M.** Electrification of railways in the USSR 1-35455
- Serebryakov, B.A.** *see* Vasiliev, V.V. 1-48466
- Serebryakov, V.A.** *see* Mustav, K.Sh. 1-33283
- Serebryannikova, N.P.** *see* Yakovlev, L.A. 1-36003
- Serednyakov, S.I.** *see* Minakov, M.D. 1-52708
- Seregina, A.R.** *see* Vasil'ev, E.N. 1-37301
- Seregina, L.I.** *see* Liseykin, I.D. 1-35046
- Serfling, R.J.** *see* Cheng, P.E. 1-41455
- Serfozo, R.** Optimal control of random walks, birth and death processes, and queues 1-26979
- Sergeenko, T.N.** *see* Buchin, A.V. 1-40980, 1-41153
- Sergeev, A.B.** *see* Eliseev, P.G. 1-28729
- Sergeev, D.A.**, Khafizov, M.Kh., Sologyan, I.Kh. Determining optimal metrological indices for technological-parameter testing devices 1-38077
- Sergeev, L.S.** *see* Kuchuk-Yatsenko, S.I. 1-49833
- Sergeev, O.T.** *see* Vlaskina, S.I. 1-50290
- Sergeev, V.G.** *see* Krotevich, N.F. 1-48059
- Sergeev, V.V.** *see* Spidchenko, V.K. 1-32980
- Sergei, I.I.** *see* Strelyuk, M.I. 1-49612
- Sergeichik, V.N.** *see* Petrov, B.N. 1-38547
- Sergienko, A.S.** Calculation of argon arc characteristics in a sectioned channel 1-50713
- Sergienko, A.V.** *see* Malygin, A.A. 1-48091
- Sergienko, L.P.** *see* Lopatko, A.P. 1-53835
- Sergienko, Yu.M.** *see* Pliskin, Yu.S. 1-52456
- Sergievskiy, B.D.** Addition of power outputs of an arbitrary number of amplifiers or oscillators, connected to a common load and having equivalent circuit with random elements 1-32211
- Serignat, J.F.** *see* Abauzit, P. 1-30051
- Serikawa, T.**, Yachi, T. Lift-off patterning of sputtered  $\text{SiO}_2$  films 1-36655
- Serikawa, T.**, Yachi, T. Electrical damage in MOS devices by RF diode sputtered aluminum metallization 1-40591
- Serino, R.** *see* Scott, B.A. 1-45104
- Serio, M.** *see* Biagini, M.E. 1-48506
- Serizawa, K.**, Sato, R., Honda, M. Micro-soldering for high-density joining with paste solder 1-44699
- Serizawa, M.** *see* Kane, J. 1-33401
- Serkin, V.N.** *see* Isaev, S.K. 1-51520
- Sermet, P.**, *see* Geller, R. 1-38395
- Serna Garcia, A.** The equivalent magnetic circuit in electrical machines 1-44047
- Serpell, S.C.** The effect of interference from satellites on digital relay-relay systems operating between 15.4 and 40 GHz 1-46930
- Serra, A.** An AF compressor and expander 1-29930
- Serra, A.** Recording of pulses on a magnetic tape 1-40813
- Serra, A.** Recording of pulses on magnetic tape. I 1-50591
- Serra, A.** Incorporating a triggered sweep in an oscilloscope 1-52516
- Serra, A.** *see* Ciminiera, L. 1-27449
- Serra, M.** *see* Realp, E. 1-49090
- Serrano, C.M.** *see* DiMaria, D.J. 1-50948
- Serre, Ch.** *see* Baribaud, G. 1-42939
- Serreault, J.-Y.** *see* Minoux, M. 1-47256
- Serrero, G.** *see* Malladi, R. 1-46332
- Serreze, H.B.** *see* Entine, G. 1-34452
- Serreze, H.B.** *see* Norris, C.B. 1-45985
- Serriere, R.** *see* Lannelongue, N. 1-43419
- Seruga, W.**, Bielowski, P., Lebedez, Z., Tuchloski, J. Electric energy saving problems 1-31699
- Servet, B.**, Broussoux, D., Micheron, F., Bisaro, R., Ries, S., Merenda, P. Oriented crystal phases of polyvinylidene fluoride and their piezoelectric properties 1-27179
- Servet, B.** *see* Broussoux, D. 1-27180
- Servetas, E.C.**, Vlachakis, A.V. A new AC voltage regulator using thyristors 1-32169
- Servidori, M.**, Vecchi, I. Transmission electron microscopy observations of low-temperature ion implanted (100) silicon 1-36462
- Servinskiy, E.G.** Comparison of methods of optimizing systems according to vector and scalar criteria 1-50241
- Servranckx, R.** *see* Conetti, S. 1-42877
- Servranckx, R.V.** *see* Brown, K.L. 1-48501
- Serwotka, J.** Criteria for failure location in network sections and for restoring supply in medium voltage urban networks 1-30824
- Seshadri, S.R.** Group velocity of guided magnetic waves 1-37343
- Seshadri, S.R.** Reflection by a sinusoidally modulated surface reactance at oblique incidence 1-41274
- Seshadri, S.R.** Quasi-optics of magnetic waves guided by a planar film 1-51093
- Seshagiri Rao, T.** *see* Reddy, P.V. 1-45938
- Seshan, K.**, Chakrabarty, D.K., Biswas, A.B. A new method for the preparation of acicular  $\gamma\text{-Fe}_2\text{O}_3$  1-28235
- Sesol, N.Q.** *see* Watson, J.M. 1-48559
- Sessa, J.** *see* Khokhani, K.H. 1-46248
- Sessler, A.M.** *see* Keefe, D. 1-42879
- Sesto, E.** *see* Bardelli, G. 1-45726
- Seta, T.** *see* Ozaki, Y. 1-49146
- Seth, S.C.** *see* Agrawal, V.D. 1-46239
- Sethares, J.C.** Magnetostatics promise analog processing at microwave frequencies 1-51746
- Sethares, J.C.**, Smith, C.V., Owens, J.M. MSW time delays 1-36831
- Sethares, J.C.**, Stiglitz, M.R., Weinberg, I.J. Magnetostatic wave oscillator frequencies 1-46434
- Sethares, J.C.** *see* Taylor, V.L. 1-36835
- Sethi, B.R.**, Sharma, O.P., Goyal, P.K., Mathur, P.C. Magnetoresistance measurements in n-type CdS single crystals annealed in molten Cd and In 1-32637
- Sethi, B.R.** *see* Mathur, P.C. 1-36475
- Sethi, S.P.** *see* Derzko, N.A. 1-50237
- Sethi, V.S.**, Srinivasan, S., Vijay Bodhankar, Khurana, O.P., Paul, R., Chand, G. A digital electronic method for the measurement of blast wave parameters 1-29982
- Sethia, G.** *see* Chandra, H. 1-46869
- Sethia, G.** *see* Dixit, P.S. 1-51599
- Sethuraman, J.** *see* Hollander, M. 1-35690
- Sethuraman, S.K.** *see* Afanasiev, A.A. 1-53578
- Seto, H.** *see* Okuyama, M. 1-42624
- Seto, M.** *see* Saito, T. 1-34692
- Seto, S.** *see* Jobbeto, K. 1-42525
- Seto, Y.J.**, Hsieh, S.T. Electric field induced rate effects in pharmacokinetic systems 1-52815
- Settembrini, R.C.** *see* Ayers, D.L. 1-44157
- Settimo, F.** *see* Liuti, A. 1-29529
- Setty, K.S.L.** The ultimate resolution criterion for out-of-the-cockpit visual scene generation in real time 1-41697
- Setty, M.S.** Thick film materials 1-50701
- Setzer, C.S.**, Mattauch, R.J. High-performance millimetrewave GaAs Schottky-barrier flip-chip diode 1-45639
- Seumatsu, Y.** *see* Arai, S. 1-37109
- Seung Ho Shin** *see* In Heon Hwang 1-46688
- Seung-Ai Shin** *see* Yanglai Cho 1-48341, 1-48380
- Sevast'yanov, B.N.** *see* Mel'nikov, V.D. 1-50603
- Sevast'yanov, V.D.** *see* Aleksandrov, B.M. 1-43257
- Seveke, E.** Software structure for an exchange controlled by several microprocessors 1-33883
- Sever, S.**, Injac, N. Review of reliability determination methods. II. Exponential distribution 1-35665
- Sever, S.**, Vukovic, Z. Bayes approach to parameter estimation of exponential distribution 1-35790
- Severein, H.** Medium-frequency induction heating plant for small parts made of brass 1-44493
- Severgin, Yu.P.** *see* Nagaenko, M.G. 1-48455
- Severi, M.** *see* Calzolari, P.U. 1-27295
- Severin, D.J.E.** *see* Mohrhauer, H. 1-43861
- Severin, P.J.** Optical fibres: basic terms, properties, uses 1-33045
- Severin, P.J.**, van Esveld, H. Calorimetric measurements of the absorption coefficient of fiber-quality glass: experiments 1-36856
- Severns, R.** Using the power MOSFET as a switch 1-40583
- Severns, R.**  $dV/dt$  effects in MOSFET and bipolar junction transistor switches 1-50656
- Seviara, R.** Control of peripheral modules [electronic switching systems] 1-42075
- Seward, J.S.** *see* Richards, D. 1-31114
- Seward, M.A.** *see* Ktonas, P.Y. 1-48711
- Sewell, J.I.** A degree-enhancement scheme in electronic engineering 1-26791
- Sewell, J.I.** *see* Lau, C. 1-39885
- Sewell, R.F.** *see* Panigrahi, G. 1-52367
- Sexton, F.W.**, Brown, W.D. A low-cost microprocessor-based deep-level transient spectroscopy (DLTS) system 1-50281
- Sexton, F.W.** *see* Garner, C.M. 1-53639
- Sexton, M.J.** A codec for television programme distribution in a digital transmission network 1-42383
- Seybold, J.B.** *see* Moore, R.P. 1-48805
- Seyed Ali Azizi** Applications of fast Fourier transforms in measurement problems. II 1-37516
- Seyer, R.** Microprocessor-based control unit for cooking ranges 1-31693
- Seyfert, P.**, McCall, M.J., Claudet, G., Meuris, C. The effect of evenly spaced channels on the stability behaviour of superconducting windings cooled by superfluid helium 1-51123
- Seyl, J.W.**, Arndt, G.D. Solar Power Satellite microwave system concepts and performance considerations 1-30504
- Seyl, J.W.** *see* Monford, L. 1-30678
- Seylaz, J.** *see* Meric, P. 1-30417
- Seymour, D.J.** *see* Scott, B.N. 1-27624
- Seymour, J.** Electronic devices and components 1-39322
- Seymour, P.D.** Recognizing graphic matroids 1-39574
- Seymour, P.D.** On Tutte's extension of the four-colour problem 1-50207
- Seymour, P.D.** *see* Okamura, H. 1-50206
- Sficas, Y.G.**, Ntouyas, S.K. A boundary value problem for n-th order functional differential equations 1-35910

- Sfichi, R.** Concerning some problems of reactive power compensation correlated with the reduction of distortional regimes in electric power installations 1-48945
- Sfichi, R., Ianos, O., Lungu, O., Reziuc, O., Blumenfeld, S., Sabin, A.** Conclusions on the electric power budget in the mining district of the County of Suceava 1-49851
- Sfichi, R.** *see* Boscoianu, D. 1-49602
- Sfichi, R.** *see* Diaconescu, E.N. 1-49375
- Sfichi, R.** *see* Mustafa, O. 1-49073
- Sgallari, F.** *see* Alliney, S. 1-35827
- Sgarbi, C.** *see* Lamanna, E. 1-52719
- Sgarro, A.** *see* Davison, L.D. 1-33446, 1-51758
- Sha, K., Nakata, W., Suzuki, M., Adachi, S.** The design of E-plane cosecant square beam horn antenna based on ray-theory and its radiation characteristics 1-47061
- Sha, K., Sato, K., Suzuki, M., Adachi, S.** The characteristics of the H-plane sectoral horn antenna loaded with dielectric lens 1-47060
- Shabanov, V.N., Shengurov, V.G., Gudkova, N.V.** Production of semiconductor specimens transparent to electrons 1-40486
- Shabashev, O.K.** *see* Miroshnikov, M.M. 1-38145
- Shabtai, I.** *see* Tartakovsky, M.B. 1-52783
- Shacham-Diamond, Y.J., Kidron, I.** Contact and bulk effects in intrinsic photoconductive infrared detectors 1-33137
- Shacham-diamond, Y.J.** *see* Lubzens, D. 1-38094
- Shack, W.J., Ellington, W.A., Youngdahl, C.A.** Development of a noninvasive acoustic leak detection system for large high pressure gas valves 1-34723
- Shackelford, R.G.** *see* McMillan, R.W. 1-47725
- Shackil, A.F.** Communications shares spotlight with microprocessors 1-35552
- Shackil, A.F.** Microprocessors and the M.D. A new breed of smart medical equipment can diagnose, monitor, analyze, and rehabilitate 1-43271
- Shackle, P.W., Hartman, A.R., Murphy, B.T., Scott, R.S., Lieberman, R., Robinson, M.** A new bidirectional solid-state switch for telephone loop plant applications 1-27663
- Shackleton, C.** Double-pulse oscillator 1-50457
- Shackshaft, G.** Disturbances imposed by power systems on electro-mechanical systems 1-43602
- Shadrin, M.P., Zhegalin, N.G.** Tester for control of operational amplifiers 1-50441
- Shadurskaya, L.I.** *see* Tkachev, V.D. 1-36467
- Shaeffer, J.F., Medgyesi-Mitschang, L.N.** Radiation from wire antennas attached to bodies of revolution: the junction problem 1-41292
- Shafai, L.** *see* Ittipiboon, A. 1-47081
- Shafai, L.** *see* Rahman, F. 1-33388, 1-41349, 1-51733
- Shafai, L.** *see* Shoomanesh, A. 1-41386
- Shafai, P.L., Hassan, E.E.M.** Field solution and electrical characteristics of slotted waveguides 1-28961
- Shafer, D.** Optimized alignment-insensitive two-element laser beam expander/steerer 1-46767
- Shafer, M.** *see* Yang, E.S. 1-41004
- Shafer, R.E., Webber, R.C., Nicol, T.H.** Fermilab energy doubler beam position detector 1-43205
- Shafer, R.E.** *see* Jachim, S.P. 1-42956
- Shafey, A.** *see* Basu, K.P. 1-43674
- Shafi, M., Tsoi, A.C.** Correlator based on delta modulation for linear and nonlinear system identification 1-41463
- Shafik, M.S.** Intracavity optimal pumping of molecular FIR lasers 1-37176
- Shaforostov, A.I.** *see* Efimov, G.V. 1-48196
- Shagalov, M.D., Drizhuk, A.G.** Investigation of defects in light-emitting GaN structures 1-33165
- Shagalov, S.B.** *see* Talykov, V.A. 1-32913
- Shaginyan, L.R.** *see* Bessaraba, V.I. 1-27754
- Shah, A.M., Shiva, S.G.** Hardware synthesis from DDL 1-40675
- Shah, J.** *see* Damen, T.C. 1-51405
- Shah, J.S.** Growth, morphology and impurity characterisation of some I III IV<sub>2</sub> sulphides and selenides 1-27102
- Shah, K.R.** *see* Khatri, C.G. 1-35778, 1-35784
- Shah, M.R.** *see* Salari, S.J. 1-49410
- Shah, N.A.** *see* Sharma, R.S. 1-36241, 1-40098
- Shah, N.M., Stalony-Dobrzanski, J.** Evaluation of advanced air-to-air gunnery fire control systems 1-52859
- Shah, N.S.** *see* Sharma, R.S. 1-50551
- Shah, R.R., Hollingsworth, D.R., DeJong, G.A., Crosthwait, D.L.** P-N junction and Schottky barrier diode fabrication in laser recrystallized polysilicon on SiO<sub>2</sub> 1-46096
- Shah, T.P.** *see* Bock, R.K. 1-52670
- Shahab, W.** *see* Cambon, G. 1-28203
- Shahab, W.** *see* Saurel, J.M. 1-32925
- Shabbazi, M.** *see* Azimi-Garanki, D. 1-30346
- Shahzadi, B.** Partial fraction expansion of functions with multiple poles 1-39846
- Shaik, H.S., Peebles, P.Z., Jr.** Practical effects in the response of a microwave discriminator 1-43264
- Shainsky, R.** *see* Ben-Jacob, E. 1-40849
- Shajenko, P.** On the feasibility of using multimode optical fibers in optical hydrophones 1-48874
- Shakalo, V.M.** Cable telemetric apparatus for measuring speed pulses in the boundary layer of marine mammals with the aid of a wire thermoanemometer 1-38148
- Shakhanov, S.B.** *see* Parshin, V.A. 1-53830
- Shakhbazov, A.A.** Connections between stationary distributions and the states of systems with allowance for the priorities in the case of failures 1-44800
- Shakhgil'dyan, V.V.** *see* Burdzyko, B.P. 1-32237
- Shakhidzhanov, S.S.** *see* Denisenko, V.V. 1-34089
- Shakil, A.F.** Design case history: Singer's electronic sewing machine 1-39223
- Shakirov, A.H.** *see* Antonov, V.M. 1-52767
- Shalaby, A.** Power systems stability limits using coherency-based dynamic equivalents 1-43517
- Shalae, E.A.** *see* Dmitriev, V.G. 1-51430
- Shalimanov, V.F.** *see* Zheltov, K.A. 1-39056
- Shalnov, A.V.** *see* Bogdanovitch, B.U. 1-48467
- Shalom, A.** *see* Maxwell, E. 1-37288
- Shalygin, V.A.** *see* Vorobev, L.E. 1-36466
- Shamaly, A., Christensen, G.S., El-Hawary, M.E.** Solution of ill-conditioned optimality conditions for control of turbo-alternators 1-53398
- Shames, S.I.** Automation of separating and cleaning operations on cylindrical components 1-53817
- Shamsa, K.** *see* Breuer, M.A. 1-36210
- Shamshin, V.N.** The construction and design of active wideband quadrature phaseshifters 1-36250
- Shan Sun** *see* Berkebile, L.E. 1-34962, 1-38834
- Shan-liang Wu** *see* Wu Shan-liang
- Shan-yuan Yang** *see* Yang Shan-yuan
- Shanblatt, M.A., Mickle, M.H., Vogt, W.G.** Optimal ordering strategies for load flows on an array processor 1-53041
- Shane, L.** Economic loading of boilers by incremental cost techniques 1-35043
- Shang, H.-T.** *see* Lin, C. 1-51528
- Shang Hen-Tai** *see* Hen-Tai Shang
- Shang-he Liu** *see* Liu Shang-he
- Shang-Hwai Leou** *see* Leou Shang-Hwai
- Shang-xue Qi** *see* Qi Shang-xue
- Shanghe Liu** *see* Liu Shanghe
- Shani, G.** *see* German, U. 1-34486
- Shani, U.** A 3-D model-driven system for the recognition of abdominal anatomy from CT scans 1-30432
- Shanin, V.N.** *see* Vaisband, V.B. 1-43447
- Shank, C.V.** *see* Fork, R.L. 1-37175, 1-51509
- Shank, C.V.** *see* Hochstrasser, R. (editor) 1-26780
- Shankar, R.** *see* Mucciardi, A.N. 1-35989
- Shankar Narayan, S.** *see* Mohiuddin, K.M. 1-37474
- Shankarnarayan, L.** *see* Bhattacharyya, A.B. 1-40096
- Shankin, M.** Hybrid circuits by computerized writing 1-32515
- Shanley, J.F.** *see* Mroczkowski, J.A. 1-33101
- Shanmugam, K.S.** *see* Frost, V.S. 1-29788
- Shanmugam, K.S.** *see* Sam Shanmugam, K.
- Shanmugam, P.** Frequency response of linear systems 1-32134
- Shanmugam, K.S., Holtzman, J.** Telecommunications education for the eighties 1-26824
- Shannon, F.E., Luzwick, J.L.** A highly accurate planar near-field scanner [antenna testing] 1-51673
- Shannon, J.M.** Shallow implanted layers in advanced silicon devices 1-40506
- Shannon, J.M.** Calculated performance of monolithic hot-electron transistors 1-46116
- Shannon, J.M., Gill, A.** High current gain in monolithic hot-electron transistors 1-50912
- Shannon, R.E.** *see* Donnelly, J.H. 1-39528
- Shanthikumar, J.G., Buzacott, J.A.** On the approximations to the single server queue 1-31934
- Shanthikumar, J.G.** *see* Sriram, K. 1-33899
- Shanturin, L.P.** Synthesis of anode-plasma systems for shaping electron beams 1-36429
- Shanturin, L.P., Fedorov, V.I.** Shaping wide homogeneous electron beams 1-33315
- Shao Han-ru** *see* Li Guo-dong 1-28220
- Shao Li-jin, Zhang Jin-xiang, Li Xiao-ju, Yang Xin-yuan** Studies on the lifetime of a CO laser at room temperature 1-33193
- Shao Meizhen, Qiu Mingxin** An alternating discharge copper ion laser 1-41059
- Shao Shi-ping, Liang Hong-lin** Measurement of dielectric constants and pyroelectric coefficients of ferroelectrics 1-34364
- Shao-chi Lin** *see* Lin Shao-chi
- Shao-hua Pan** *see* Pan Shao-hua
- Shapiro, A.L.** *see* Babin, V.V. 1-31332
- Shapiro, B.** *see* Salkind, A.J. 1-43342
- Shapiro, E.** *see* Hong, S.J. 1-26911
- Shapiro, E.Y.** *see* Rooney, R.H. 1-52854
- Shapiro, J.H.** Linear vs logarithmic frame-integration for coherent laser radars 1-34017
- Shapiro, J.H., Warde, C.** Optical communication through low-visibility weather 1-33976
- Shapiro, J.M.** Topographic mapping of the ocular fundus by laser contour angiography: the man-machine interaction 1-38500
- Shapiro, L.A.** *see* Lashevskii, P.A. 1-28119
- Shapiro, S.** *see* Cisneros, E. 1-34501
- Shapiro, S.** *see* McShurley, D.G. 1-52634
- Shapiro, S.V.** Mathematical modelling of power rectifying circuits 1-53530
- Shapiro, Ye.I.** Nonlinear filtering recursion algorithm with anomalous errors taken into account 1-33634
- Shapovalov, V.A.** *see* Dovgii, V.T. 1-40787
- Shapovalova, N.A.** *see* Akhromenko, G.E. 1-49346
- Sharabura, M.I.** *see* Lakh, V.I. 1-50635
- Sharaf, M.M.** *see* Hogg, B.W. 1-31178
- Sharakina, L.A.** *see* Dulitskaya, G.M. 1-32090
- Sharapov, V.N.** *see* Komissarov, O.V. 1-38874
- Sharapov, V.N.** *see* Panfilov, G.G. 1-38876
- Sharif, A.U.** *see* Clark, L.J. 1-50905
- Shariff, R.S.** *see* Avazian, J.F. 1-49999
- Shariff, R.S.** *see* Noteware, R. 1-26910
- Sharipov, U.B.** Calculations of transient processes in an electric power system when its sections are represented with different degrees of simplification 1-30688
- Sharkey, J.B., Loew, M.H.** Image-processing applications to classification of ambiguity surfaces 1-29199
- Sharko, A.V.** *see* Komarov, K.L. 1-36007
- Sharko, A.V.** *see* Levitan, L.Ya. 1-39834
- Sharko, A.V.** *see* Murav'ev, V.V. 1-36006
- Sharkov, Ye.A.** *see* Bulatov, M.G. 1-38283
- Sharlandjiev, P.** *see* Pangelova, N. 1-46808
- Sharma, A., Bhaskar, N.D., Lu, Y.Q., Happer, W.** Continuous-wave mirrorless lasing in optically pumped atomic Cs and Rb vapors 1-51332
- Sharma, A., Ghatak, A.K.** A simple numerical method for the cutoff frequency of a single-mode fiber with an arbitrary index-profile 1-40900
- Sharma, A.** *see* Misra, K.B. 1-50050
- Sharma, A.** *see* Sharma, V.C. 1-53298
- Sharma, A.B., Hubach, E.J.R., Halme, S.J.** An accurate method for the measurement of fiber attenuations 1-28490
- Sharma, A.K., Costache, G.I., Hoefer, W.J.R.** Cutoff in fin lines evaluated with the spectral domain technique and with the finite element method [waveguides] 1-51648
- Sharma, A.K., Hoefer, W.J.R.** Empirical analytical expressions for fin line design 1-46999
- Sharma, A.K.** *see* Pandey, P.C. 1-46885, 1-52944
- Sharma, B.L., Purohit, R.K.** The variation of Schottky barrier height due to an interfacial layer 1-27865
- Sharma, D.** *see* Joshi, I.D. 1-27808
- Sharma, E.K., Ghatak, A.K.** Exact modal analysis for buried planar optical waveguides with asymmetric graded refractive index profile 1-51184
- Sharma, J.D.** *see* Dewal, M.L. 1-49172
- Sharma, N.V.P.** *see* Kulkarni, P.P. 1-52844
- Sharma, O.P.** *see* Mathur, P.C. 1-36475
- Sharma, O.P.** *see* Sethi, B.R. 1-32637
- Sharma, P.C.** *see* Gupta, K.C. 1-47004, 1-47040
- Sharma, R.G., Tanaka, Y., Tachikawa, K.** Improved superconducting properties of the composite-processed V<sub>3</sub>Ga wires with changed configuration 1-32990
- Sharma, R.P.** *see* Mathur, P.C. 1-53628
- Sharma, R.S., Dullu, U.K.** A bandpass filter without external capacitors 1-40100
- Sharma, R.S., Shah, N.A.** Realization of ungrounded inductors 1-36241
- Sharma, R.S., Shah, N.A.** Some gyrators for floating inductance realisation using single operational amplifier 1-40098
- Sharma, R.S., Shah, N.S.** Grounded inductor simulation using a single current conveyor 1-50551
- Sharma, S.D.** *see* Saylor, T.K. 1-38372
- Sharma, S.D.** *see* Singh, R.K. 1-31968
- Sharma, S.K., Agarwala, A., Tewary, V.K.** Effect of pn coupling on steady-state and transient characteristics of a pn junction solar cell 1-39126
- Sharma, S.P., Tompkins, H.G.** The thickness of lubrication films for connector contacts 1-45755
- Sharma, S.R.** *see* Chawla, M.M. 1-27075
- Sharma, V.C., Sharma, A.** Development of hydro power in Nigeria 1-53298
- Sharma, Y.K., Raghav, V.S.** Exact J/V characteristic of an insulator diode with thermal free carriers in nonconstant mobility regime 1-32709
- Sharmar, K.C.** *see* Durrani, T.S. 1-37615
- Sharov, A.N.** Carrying capacity of radio links with frequency adaptation 1-42161
- Sharovarov, G.A., Dyukov, A.D., Kozlov, V.I., Dvoryaninov, A.V.** Gas-liquid emergency cooling of a nuclear-power reactor with a dissociating coolant 1-38878
- Sharovarov, G.A.** *see* Skurat, V.V. 1-30913
- Sharp, C.M.** Industrial applications of lasers 1-44559
- Sharp, E.D.** *see* Chubb, G.P. 1-49931
- Sharp, E.G.** *see* Narkus-Kramer, M. 1-53162
- Sharp, K.** Watch these electrical installation grounding problems 1-43775
- Sharp, P.O.** *see* Kokkonen, K. 1-32305

- Sharp, W.E., Hays, P.B., Cutler, J.R., Dobbs, M.E. Determining the electron energy distribution near the plasma potential in the Earth's ionosphere 1-30547
- Sharpe, J.R. The EARTS radar system—today and tomorrow 1-47717
- Sharpe, S.M., Nolte, L.W. Adaptive MSE estimation 1-37634
- Sharples, K.O., van Bueren, J., Mahendra, S.N. On the magnetic flux distribution and forces in linear induction motors 1-53490
- Sharrock, D.L. *see* Todd, J.H. 1-52754
- Sharygin, V.S. *see* Semenov, M.V. 1-31081
- Shashkin, A.K. Synthesis of pulsed signals with constraints 1-33640
- Shatalov, A.N. *see* Zakharov, B.V. 1-32424
- Shatanov, A.A. *see* Gleizer, I.Z. 1-27758, 1-30223
- Shaternikov, V.E. *see* Burov, V.N. 1-32117
- Shatkin, A.N. A unit for continuous control of the insulation state of 6 kV factory electric installations 1-30830
- Shatkin, A.N. Insulation monitoring in high-voltage factory installations 1-34865
- Shats, Yu.Ya., Gupalo, O.M. Duration of facsimile transmission with reduced data content redundancy 1-37715
- Shatsev, A.N. *see* Vinokurov, G.N. 1-33253
- Shatskikh, S.Ya. *see* Kloviskiy, D.D. 1-47214
- Shatzkes, M., Av-Ron, M. Statistics of breakdown 1-40636
- Shatzkes, M. *see* Av-Ron, M. 1-40466, 1-50974
- Shau, P. *see* von Shau, P.
- Shaughnessy, E.J. *see* Zu'i, F.H. 1-52606
- Shaw, D.W. Localized GaAs etching with acidic hydrogen peroxide solutions 1-36567
- Shaw, D.W., Williams, R.E. Localized anodic thinning of GaAs structures 1-32836
- Shaw, G.A. *see* Pohlig, S.C. 1-37606
- Shaw, H.J., Weinstein, D., Zitelli, L.T., Frank, C.W., DeMattei, R.C., Fesler, K. PVF<sub>2</sub> transducers 1-36805
- Shaw, H.J. *see* Bergh, R. 1-36952
- Shaw, H.J. *see* Bergh, R.A. 1-28467, 1-46550
- Shaw, J.H. *see* McGranaghan, M.F. 1-43667
- Shaw, J.R., Robinson, P.E. Prospects for the further exploitation of geothermal energy 1-49220
- Shaw, M.J. *see* Edwards, C.B. 1-41044
- Shaw, M.P., Subhani, K.F. An electrothermal model for threshold switching in thin amorphous chalcogenide films 1-32664
- Shaw, M.T. *see* Nunes, R.W. 1-30756
- Shaw, R. *see* Magaw, R. 1-30930
- Shaw, Y. *see* Selleck, J.E. 1-46195, 1-46196
- Shaw Sen-Yen *see* Sen-Yen Shaw
- Shay, J.L. *see* Dautremont-Smith, W.C. 1-36979
- Shay, R.J. *see* Rohen, J.E. 1-51085
- Shchavlev, D.S. *see* Vasil'ev, Yu.S. 1-35078
- Shchavlev, O.S., Polukhin, V.N., Molev, V.I. Ways of producing athermal glasses with a special form of the dispersion curve 1-35981
- Shchebenyuk, L.A. *see* Bagalei, Yu.V. 1-40752
- Shchebiot, U.V. *see* Gerberg, A.N. 1-48850
- Shchebolev, V.T., Ramendik, Z.A. Reproduction of the units of neutron flux and flux density in the D(d,n)<sup>3</sup>He reaction 1-34172
- Shchedrin, A.I. *see* Vladimirov, V.V. 1-51376
- Shchedrin, I.S. Electron acceleration in a homogeneous disc loaded guide with beam loading effect 1-48443
- Shchedrin, I.S. *see* Polyakov, V.A. 1-43045, 1-48444
- Shchekoturov, L.V. *see* Kobyl'chak, V.V. 1-51228
- Shchepetkin, Yu.A. *see* Vovk, Yu.V. 1-41151
- Shchepkina, Ye.D. *see* Andrushko, L.M. 1-33383, 1-46992
- Shcherbachenko, A.A. *see* Dulitskaya, G.M. 1-32090
- Shcherbakov, A.A. *see* Akhmedzhanov, I.M. 1-40968
- Shcherbakov, E.A. *see* Bozhevol'nyi, S.I. 1-36978
- Shcherbakov, I.A. *see* Harig, T. 1-51422
- Shcherbakov, S.I. *see* Badikov, V.V. 1-28422
- Shcherbakov, V.I. *see* Fedotova, S.I. 1-47027
- Shcherbakov, V.V. *see* Kurenkov, Ye.F. 1-46441
- Shcherbakov, Yu.A. *see* Kalimov, A.G. 1-48628
- Shcherbina, Yu.V., Melnik, V.P., Roitelman, I.G. Power system modelling for selection of automatic frequency load shedding 1-43501
- Shcherbo, A.B. *see* Velikanov, A.G. 1-28660
- Shchers, A.L. *see* Demidov, I.K. 1-41939
- Shchors, L.S., Shidlovskii, A.V. High-frequency stabilized pulse generator 1-27354
- Shchors, L.S. *see* Bakinovskii, K.N. 1-50587
- Shchukin, B.D., Dashkov, V.M. Application of mathematical and heuristic methods in computer-aided design of factory supply networks 1-34862
- Shchukin, L.I. *see* Basov, Yu.G. 1-31649
- Shealy, J.R. Liquid phase epitaxy of high-purity GaAs on conducting n-type substrates 1-50282
- Shealy, J.R., Baliga, B.J., Field, R.J., Ghandhi, S.K. Preparation and properties of zinc oxide films grown by the oxidation of diethylzinc 1-32078
- Sheard, J.A. Auto-start for 12-230 V AC inverter 1-39894
- Shearer, D. *see* Gewirtz, H. 1-52772
- Shearman, E.D.R., Theodoridis, S., Sandham, W.A., Bradley, P.A. Phase instability of ionospheric propagation and its influence on HF Doppler radar remote sensing [of wind and sea-state] 1-46937
- Shearon, P.C. *see* Ciechoski, E.D. 1-32271, 1-32272
- Shebaldin, D.Yu. *see* Logacheva, L.M. 1-36336
- Shebeko, Yu.N. Theoretical investigations of energy and spectral characteristics of an electroionization laser using the first harmonic of the CO molecule 1-28650
- Sheble', G.B. *see* Pang, C.K. 1-30619, 1-34806
- Sheedy, C. *see* Gerla, M. 1-33831
- Sheehan, D.P. *see* Brecke, R.A. 1-27338
- Sheem, S.K., Burns, W.K. Optical fiber gyroscope with (3×2) guided-wave beam splitters 1-40944
- Sheem, S.K., Taylor, H.F., Moeller, R.P., Burns, W.K. Propagation characteristics of single-mode evanescent field couplers 1-28430
- Sheem, S.K. *see* Bulmer, C.H. 1-46555
- Sheem, S.K. *see* Koo, K. 1-36921
- Sheen Shuh-Haw *see* Shuh-Haw Sheen
- Sheffield, C. *see* Dykstra, J.D. 1-48841
- Sheffield, C. *see* McLucas, J.L. (editor) 1-44609
- Sheffield, S.A. *see* Bloomquist, D.D. 1-30273
- Sheftal, N.N. *see* Klykov, V.I. 1-39776
- Sheftel', I.T., Pavlovskii, Ya.V., Chebotareva, E.S., Kaminskii, M.P., Sinev, A.E. Temperature characteristics of thermal resistors of the CT4-16 type 1-40241
- Shehata, M.A. *see* Lindner, J. 1-35178
- Shehata, S.A. *see* El-Serafi, A.M. 1-53419
- Sheikin, A.A., Bogdanov, G.P., Lebedev, L.K. Inspecting the porosity of support rod insulators with the use of ultrasonics 1-36015
- Sheikin, A.N. *see* Stroikovskii, A.K. 1-34402
- Sheiko, P.P., Slepchenko, N.N., Pashulya, M.P., Silyusarevskii, V.V., Lutsai, D.G., Laikov, V.K. The pulsed-arc welding of AMg6 aluminium alloy plates with a consumable electrode 1-49836
- Sheiman, V.L. *see* Lebedev, V.V. 1-43380
- Sheiman, V.L. *see* Leont'ev, A.P. 1-30473
- Shein, A.G., Sova, A.V. The effect of magnetic field on harmonic levels in M-type beam amplifiers 1-27760
- Sheinkman, M.K. *see* Lukyanchikova, N.B. 1-33166
- Shek Lee Man *see* Man Shek Lee
- Shekel, J. Load management by distribution power line carrier 1-53045
- Shekera, V.M. *see* Makhnenko, V.I. 1-31719
- Sheklein, A. Survey studies on the development of a solar space electric power plant 1-49354
- Shekleton, J.R. The civic: a concept in vortex induced combustion for the solar Gemini 10 kW gas turbine 1-35067
- Shelaev, A.N. *see* Kornienko, L.S. 1-37181, 1-51491
- Shelby, R. *see* Bjorklund, G.C. 1-28420
- Shelby, R. *see* Macfarlane, R. 1-28549
- Shel'ef, S.C. *see* Sackman, G.L. 1-41658
- Sheleg, V.K. *see* Achasov, O.V. 1-41053
- Shelemin, E.B. *see* Nesrullaev, A.N. 1-51864
- Shelkov, N.V. *see* Goldobin, I.S. 1-37147
- Shelledy, F.B. *see* Brock, G.W. 1-28245
- Shelopot, D.V. Acoustooptical modulator-splitters 1-40979
- Shelton, J.D. *see* Gardner, C.S. 1-29174
- Shelton, J.P., Laxapati, S.R. Applications of null synthesis to hexagonal arrays 1-47046
- Shelton, J.P. *see* Laxpati, S.R. 1-47045
- Shelton, K.J. *see* Brolin, E.N. 1-52062
- Shelton, R.M., Henderson, R.A. Implications for the UK of recent US and UK studies of the solar power satellite concept 1-49365
- Shelton, T.M. Testing of properties for soldered leadless chip carrier assemblies 1-45843
- Shelud'ko, L.P. *see* Saprykin, G.S. 1-38908
- Shelukhin, O.I. *see* Grigorin-Ryabov, V.V. 1-42294
- Shelukhin, V.I. Analog correlator of wideband noise signals 1-41721
- Shematovich, V.I. *see* Zmievskaya, G.I. 1-44824
- Shembel', B.K. *see* Ageyev, A.I. 1-42866
- Shemitt, J.M., Steele, B.C.H., Weston, J.E. Investigation of the electrode/electrolyte interface for the Cu<sup>+</sup> ion solid electrolyte N,N'-dimethyltriethylene diamine-copper(I) bromide 1-39112
- Shemyshevskii, O.S. *see* Kononov, E.A. 1-48621
- Shen, C.N. *see* Kim, C.S. 1-33675
- Shen, J., Kutamura, N., Kakehi, M., Wada, T. Vapor growth of Te-doped Ga<sub>x</sub>Al<sub>1-x</sub>Sb on GaSb 1-39801
- Shen, J. *see* Kitamura, N. 1-39799
- Shen, L.C. The elliptical microstrip antenna with circular polarization 1-28980
- Shen, L.C. *see* Long, S.A. 1-28997, 1-41335
- Shen, W.W. *see* Forsberg, R.A. 1-27407
- Shen Chang-jun *see* Wang Chuan-jin 1-42616
- Shen Guang-ming An algorithm for the study of stability and pseudo-oscillation possibilities of a linear network by an incidence matrix approach 1-50385
- Shen Guang-ming *see* Huang Zheng-feng 1-45205
- Shen Guang-ming *see* Zou Mou-yan 1-50366
- Shen Guo-guang *see* Jin Sheng-jing 1-34078
- Shen Tek-Ming *see* Tek-Ming Shen
- Shen Yongzhou *see* Zhuang Wenjun 1-32842
- Shen-li Fu, Gi-chang Lin Effects of dopants on the electrical properties of cadmium oxide thick film resistors 1-45818
- Shenderei, S.V. *see* Ayazyan, R.E. 1-36510
- Shenderei, S.V. *see* Chasnikov, I.G. 1-40575
- Shenderei, S.V. *see* Grekhov, I.V. 1-36378
- Shenderovskii, V.A. *see* Gavaleshko, N.P. 1-32626
- Sheng, N.H. *see* Mizuta, M. 1-36454
- Sheng, T.T., Marcus, R.B. Delineation of shallow junctions in silicon by transmission electron microscopy 1-36504
- Sheng, T.T. *see* Bor-Yeu Tsaur 1-36492
- Sheng, T.T. *see* Crider, C.A. 1-45114
- Sheng-jing Jin *see* Jin Sheng-jing
- Shengurov, V.G. *see* Shabanov, V.N. 1-40486
- Shenk, D.S. *see* DiMarcello, F.V. 1-36900
- Shenker, A.A. *see* Gitis, M.B. 1-39833
- Shen'ko, V.V. *see* Popov, V.A. 1-33492
- Shenoi, B.A. *see* Belal, A.A. 1-50395
- Shenoi, B.A. *see* Suresh, B.R. 1-33609
- Shenoi, K. *see* Agrawal, B.P. 1-29159
- Shensa, M. *see* Rickard, J.T. 1-37502
- Shensa, M.J. *see* Satorius, E.H. 1-29204
- Shepard, J.F. *see* Bartholomew, R.F. 1-50880, 1-51023
- Shepard, J.F. *see* Critchlow, D.L. 1-50942
- Shepard, K.W. Development of superconducting resonators for the Argonne heavy-ion linac 1-43109
- Shepard, K.W. *see* Aron, J. 1-48302
- Shepel', L.G. *see* Akhtyrskii, V.V. 1-31442
- Shepeleva, T.I. *see* Lyubimov, I.S. 1-28250
- Sheperdson, W. A mountain of wind and controversy 1-53326
- Shepherd, A.G. *see* Bergemann, H. 1-30196
- Shepherd, R.G. Module sealing technique 1-44707
- Shepherd, F.R., Westwood, W.D., Scanlon, P.J., Levinson, J., Mitchell, I.V., Plattner, H. Effect of ion implantation on CdSe thin film transistors 1-46164
- Shepherd, I.E. Cheap current source with high output resistance 1-50402
- Shepherd, J.W., Holt, A.R., Evans, B.G. The effects of shape on electromagnetic scattering by ice crystals 1-46856
- Shepherd, L.D. *see* Bulger, G.A. 1-46274
- Shepherd, M. Programmable sound-generator interface 1-47861
- Shepherd, W. *see* Dubey, G.K. 1-35185
- Sheppard, A.T. Non-coated bondable polyimide/fluorocarbon tape insulation for lightweight electrical wire 1-32915
- Sheppard, C.J.R., Wilson, T. Effects of high angles of convergence on V(z) in the scanning acoustic microscope 1-43464
- Sheppard, D. *see* Reeves, H.S.V. 1-42147
- Sheppard, J. *see* Voyner, Z.F. 1-41400
- Sheppard, J.C. *see* York, R.C. 1-42794
- Sheppard, J.G. Implications of the Defense Switched Network to Army base communications 1-29335
- Sherden, D.J. *see* Richter, B. 1-42876
- Shere, J.W. An introduction to the IEEE-488 bus 1-29975
- Shered'ko, E.Yu. A turniquet antenna radiating toward the zenith 1-37377
- Sheremeta, Z.K. *see* Kinash, B.M. 1-34930
- Sheremet'ev, A.I., Grigorov, S.S. Evaluation of the suitability of an electrocardiosignal from the right ventricular endocardium to control an electrocardiostimulator 1-30435
- Sherer, P.W. *see* Gatts, T.F., Jr. 1-50367
- Sherif, Y.S., Alley, L.R. Modeling the reparability function by the first passage time distribution of Brownian motion 1-35697
- Shering, G., Hatten, V. Operational experience using the SPS control system 1-42803
- Shering, G. *see* Blechschmidt, D. 1-42936
- Sherlock, E. *see* Muckersie, J.B.O. 1-39342
- Sherlock, J. *see* Musgrave, G. 1-49267
- Sherman, E.B. Formulation and modelling of industry-wide problems in the development and location of production facilities 1-26916
- Sherman, K. RS449—the new interface specification 1-37732
- Sherman, L. ICs bridge data-collection gap with analog telemetry 1-42557
- Sherman, P.M. Long range strategic planning for technology industries: special problems 1-31819
- Sherman, S. *see* Cester, R. 1-34429
- Sherman, Ya.N. *see* Bystruc, A.K. 1-39080
- Shermarevich, V.G. *see* Efremov, Yu.G. 1-36347
- Shermer, C.L., Neighbors, M.A., Maitland, R. Systems engineering for medium to large software development projects 1-41785
- Sherrill, M.D. Critical magnetic field of cylindrical Josephson junctions 1-28360
- Sherwood, R. *see* Autin, B. 1-52643
- Sherwood, R.C. *see* Chin, G.Y. 1-46430
- Sherwood, T.R. *see* Austin, B. 1-42891
- Sherwood, W. A MOS modelling technique for 4-state true-value hierarchical logic simulation of Karnough knowledge 1-46336

- Sheshadri, M.S. *see* Mittra, R. 1-41344
- Sheshelovskii, M.L. *see* Averbach, Y.A. 1-35057
- Shestak, L.K. *see* Emel'yanov, V.V. 1-36302
- Shestakov, A.V. *see* Denker, B.I. 1-28693
- Shestakov, V.I. On a single method of symbolic representation of cascade and parallel connections of normal n-wire networks 1-32128
- Shestakovich, V.P. *see* Kurayev, A.A. 1-40355
- Shesternikov, K.A. *see* Ivanov, Yu.V. 1-41686
- Shestopalov, V.P. *see* Andrenko, S.D. 1-33304
- Shestopalov, V.P. *see* Masalov, S.A. 1-41281
- Shestopalov, V.P. *see* Veliev, E.I. 1-51652
- Shevaldykin, V.G. *see* Korolev, M.V. 1-43472
- Shevchenko, A.N. *see* Grosheva, L.A. 1-32088
- Shevchenko, P.P. *see* Dedlovskii, M.M. 1-36884
- Shevchenko, V.A. *see* Skopyuk, M.I. 1-30375
- Shevchenko, V.I., Gutrya, A.N., Fishchuk, V.S., Krivolapchuk, I.G. Design and development of linear motors with a single-sided inductor for high-speed surface transport 1-49485
- Shevchenko, V.P. *see* Varnavskii, O.P. 1-41077
- Shevchenko, V.V. *see* Tolkunov, V.P. 1-44115, 1-49477
- Shevela, N.G. *see* Lysenko, V.L. 1-49066
- Shevelenko, V.D. Control of the structure of pulse spectra 1-41734
- Sheverdina, Z.N. *see* Mikhalevich, G.A. 1-31334
- Shevgaonkar, R.K. *see* Paul, D.K. 1-51195
- Shevyakov, A.A. *see* Bel'giz, V.V. 1-38826
- Shew, E., Wilcox, P. F/LOGIC simulation: Designing better circuits 1-27221
- Shew, E. *see* Sakauye, G. 1-46333
- Shi, F.K.C. *see* Herapath, R.G. 1-49388
- Shi Cao Shu *see* Cao Shu Shi
- Shi Li *see* Li Shi
- Shi Shou Zu *see* Wang Zue Zhong 1-41137
- Shi Xi-zhao *see* Wang Chuan-jin 1-42616
- Shi-Cai Zhong *see* Zhong Shi-Cai
- Shi-liang, W. On the unifying admittance calculation simultaneously commenting on H. Schering's conception  $\delta=90-|\phi|$  1-32139
- Shi-lun Guo *see* Guo Shi-lun
- Shi-ming Lin *see* Lin Shi-ming
- Shi-ping Shao *see* Shao Shi-ping
- Shi-qing Tang *see* Tang Shi-qing
- Shi-wu Zhang *see* Zhang Shi-wu
- Shi-ying Han *see* Han Shi-ying
- Shiau, M.J., Shigesawa, H., Peng, S.T., Oliner, A.A. Mode conversion effects in Bragg reflection from periodic grooves in rectangular dielectric image guide [MM-wave filter components] 1-45613
- Shiau, Y. *see* Chang, G. 1-45918
- Shiau, Y. *see* Teng, T.C. 1-51015
- Shiau Yih *see* Yih Shiau
- Shiba, K., Ueda, M., Haraguchi, M. Non-contacting graft thermometer 1-30093
- Shibaev, Yu.A. *see* Ilyushkin, V.A. 1-38453
- Shibagaki, M. *see* Horiike, Y. 1-32769
- Shibakinskii, V.I. *see* Chernyshev, A.N. 1-44523
- Shibata, A. *see* Horie, N. 1-29915
- Shibata, F., Ohtsubo, A., Tsuruta, K., Kohrin, T. Speed control of a cascade induction motor with three sets of converters in its secondary circuit 1-44093
- Shibata, H. GP-IB universal counter 1-42657
- Shibata, H. *see* Tsuda, T. 1-50242
- Shibata, K. Effects of implantation dose and laser beam wavelength on sheet resistivity reduction for As-implanted poly-Si films by Q-switched Nd:YAG laser irradiation 1-27788
- Shibata, K., Hatori, K., Tokumitsu, Y., Komizo, H. Microstrip spiral directional coupler 1-36326
- Shibata, M. *see* Inoue, S. 1-27161
- Shibata, N., Katsuyama, Y., Tateda, M., Seikai, S. Thermal characteristic measurement in jacketed and unjacketed fibres by a spatial technique 1-33033
- Shibata, N., Shibata, S., Edahiro, T. Refractive index dispersion of lightweight glasses at high temperature 1-33015
- Shibata, N., Tateda, M., Seikai, S. Spatial technique for measuring modal delay differences in a dual mode optical fiber 1-30271
- Shibata, N., Tateda, M., Seikai, S., Uchida, N. Wavelength dependence of polarisation mode dispersion in elliptical-core single-mode fibres 1-46513
- Shibata, N. *see* Iwanaga, H. 1-27095
- Shibata, N. *see* Yoshiie, T. 1-27099, 1-39751
- Shibata, R. An optimal selection of regression variables 1-35737
- Shibata, S., Takahashi, S., Mitachi, S., Yasu, M. Strength of multi-component glass fibers 1-27182
- Shibata, S. *see* Ikeda, H. 1-42967
- Shibata, S. *see* Katsura, T. 1-42965
- Shibata, S. *see* Kishigami, M. 1-30581
- Shibata, S. *see* Mitachi, S. 1-39824
- Shibata, S. *see* Shibata, N. 1-33015
- Shibata, T., Lee, K.F., Gibbons, J.F., Magee, T.J., Peng, J., Hong, J.D. Resistivity reduction in heavily doped polycrystalline silicon using CW-laser and pulsed-laser annealing 1-50757
- Shibata, T. *see* Okada, K. 1-29768
- Shibata, Y. *see* Adachi, H. 1-28142, 1-34476
- Shibata, Y. *see* Hariu, T. 1-50330
- Shibata, Y. *see* Matsushita, K. 1-50332
- Shibata, Y. *see* Nagao, Y. 1-28578
- Shibata, Y. *see* Sakurazawa, S. 1-51881
- Shibatomi, A. *see* Komeno, J. 1-40500, 1-46053, 1-50293
- Shibatomi, A. *see* Nogami, M. 1-27127
- Shibaya, H. *see* Abe, H. 1-34109, 1-34109
- Shibayama, K., Yamanouchi, K., Chujo, W. SAW and boundary wave properties for  $\text{SiO}_2/\text{LiTaO}_3$  structure fabricated by plasma-CVD 1-32955
- Shibayama, K., Yamanouchi, K., Sato, H., Meguro, T. GHz band SAW filter using group-type unidirectional transducer 1-28200
- Shibayama, K. *see* Yamanouchi, K. 1-32940
- Shibib, M. *see* Ayman Shibib, M.
- Shibilsii, V.P. Redundancy minimization in topological methods for analysis of active three-terminal networks by electronic computers 1-32123
- Shibta, S. *see* Tanaka, J. 1-48571
- Shibukawa, A., Kobayashi, M. Optical TE-TM mode conversion in double epitaxial garnet waveguide 1-51149
- Shibuya, N. *see* Kai, K. 1-29825
- Shibuya, S. *see* Hariu, T. 1-50330
- Shibuya, Y., Yasuda, M., Hayashi, S., Takechi, M. Computation of electric field by surface charge method in complex insulation system 1-35111
- Shibuya, Y. *see* Nakanishi, K. 1-31359
- Shichijo, H., Hess, K. Band-structure-dependent transport and impact ionization in GaAs 1-32641
- Shida, K., Nakamura, A., Kato, T. Stable standard cell enclosure for maintaining Josephson voltage standard 1-34177
- Shidara, K., Goto, N., Maruyama, E., Hirai, T., Nonaka, Y. The advanced composition of SATICON photoconductive target 1-32571
- Shidlovskaya, E.A. *see* Mel'giz, V.V. 1-32116
- Shidlovskii, A.P. *see* Shchors, L.S. 1-27354
- Shidlovskii, R.V. *see* Vorob'ev, A.V. 1-51526
- Shieh, L.S., Yeh, S., Yates, R.E. Realization of matrix transfer functions via a state-space approach 1-36027
- Shieh, L.S., Yeh, S., Zhang, H.Y. Realizations of matrix transfer functions using RC ladders and summers 1-36039
- Shields, J. Technical functions within a multinational company 1-49979
- Shields, P.C. The ergodic and entropy theorems revisited 1-33435
- Shields, P.C. *see* Newhoff, D.L. 1-33455
- Shier, D.R. *see* Lawrence, K.D. 1-44862
- Shier, R.M. *see* Lun, I.D. 1-38836
- Shiers, G. The rise of mechanical television, 1901-1930 1-47802
- Shifrin, S.S. *see* Mil'vidsky, M.G. 1-35936
- Shifrin, Ya.S., Kornienko, L.G. Optimisation of the energy indices of arbitrary antenna arrays with random errors in the excitation and disposition of emitters in the presence of limitations with regard to the form of the radiation pattern 1-37376
- Shiga, T. *see* Lio, K. 1-44514
- Shigaki, M. *see* Yamamura, S. 1-45661
- Shigalev, V.K. *see* Ban'kovskii, N.G. 1-50736
- Shigei, Y. Evolution of optical fiber transmission 1-37894
- Shigei, Y. *see* Kanai, A. 1-41846
- Shigematsu, N. *see* Kiriwara, Y. 1-33762
- Shigematsu, N. *see* Nakajima, A. 1-33773
- Shigematsu, N. *see* Yamada, T. 1-33878
- Shigesawa, H. *see* Shiau, M.J. 1-45613
- Shigesawa, H. *see* Tsuji, M. 1-36322, 1-40205
- Shigeta, K. An industrial sewing machine with pattern memories 1-53843
- Shigetomi, S., Ikari, T., Koga, Y., Shigetomi, S. Photoconductivity and photo-Hall effect of p-type InSe single crystals 1-40992
- Shigetomi, S. *see* Shigetomi, S. 1-40992
- Shigiyama, K. *see* Hirata, H. 1-43455
- Shigyo, N. *see* Dang, R.L.M. 1-46208
- Shih, C. *see* Boehmer, H. 1-46663
- Shih, C.H. *see* Kudyan, H.M. 1-30687, 1-38715
- Shih, C.H. *see* Shperling, B.R. 1-34842, 1-43723
- Shih, W.C. *see* Bleich, H.E. 1-50585
- Shih, Y., Rivera, J., Itoh, T. Directive planar excitation of an image-guide [MM-wave ICs] 1-45653
- Shih Chun-Ching *see* Chun-Ching Shih
- Shih-Chang Tsou *see* Tsou Shih-Chang
- Shih-Chung Fan Switched-capacitor filter design using optimization 1-32155
- Shih-chung Fan *see* Gregor, R. 1-36313
- Shih-Lin Chang *see* Prince, F.C. 1-37103
- Shiho, E. *see* Arinobu, M. 1-30938
- Shii-shyong Wang, Hang-kam Izaguirre Aperture field nodes generated by a Butler Matrix for the design of very low side lobe electronic scanning reflector antennas 1-52100
- Shii-Shyong Wang, Rucy-Shi Chu Near field transmission lines feed linearly polarized array antenna for built-in test 1-51731
- Shiiki, K., Otomo, S., Kudo, M. Magnetic properties, aging effects and application potential for magnetic heads of Co-Fe-Si-B amorphous alloys 1-46390
- Shiizuka, H. Existence of the network having no series-parallel-cascade equivalent 1-39867
- Shiizuka, H. A technique of cascade decomposition for the synthesis of three-terminal RC networks having no series-parallel equivalent 1-50388
- Shik, A.Ya. Current-voltage and capacitance-voltage characteristics of real heterojunctions 1-32685
- Shik, A.Ya., Shmartsev, Yu.V. On the theory of non-ideal heterojunctions 1-32676
- Shik, A.Ya., Shmartsev, Yu.V. Influence of interface states on heterojunction properties 1-32684
- Shikalgar, A.G., Pawar, S.H. Photocurrent measurement in chemically deposited CdS:Li films 1-37008
- Shikano, K. Acoustic processing in the conversational speech recognition system 1-41606
- Shikano, K., Hakoda, K. An acoustic processor using COSH measure in the conversational speech recognition system (Voice Q-A system II) 1-41548
- Shikano, K. *see* Sugiyama, M. 1-47157
- Shikarkhane, N.S. *see* Chatterjee, U.K. 1-38255
- Shikata, C. *see* Kosugi, K. 1-39228
- Shilin, N.V. Investigation on arc extinguishing in oil circuit-breakers 1-35299
- Shilin, N.V. Electric breakdown strength recovery in breakers during arc extinction 1-44256
- Shilin, N.V. Oil circuit breaker recovery strength in arc quenching 1-44261
- Shilin, V. Problems of computer-aided-design or charge-coupled devices 1-46294
- Shillo, A.G. *see* Gerasimov, A.B. 1-32837
- Shiloach, Y. Another look at the degree constrained subgraph problem 1-35813
- Shiloh, J. *see* Chupp, W. 1-48405
- Shilov, I.A. *see* Voronin, Yu.V. 1-41007
- Shilova, M.V. *see* Bednyi, B.I. 1-37009
- Shilston, P.D. Variable speed inverters improve control and save energy 1-44185
- Shim, Y.S., Cho, Z.H. SVD pseudoinversion image reconstruction 1-47190
- Shima, K., Hanamitsu, K., Fujiwara, T., Takusagawa, M. Buried convex waveguide structure (GaAl)As injection lasers 1-33223
- Shimada, H. *see* Tomita, M. 1-34161
- Shimada, J. *see* Hidaka, T. 1-51173
- Shimada, J. *see* Ishihara, S. 1-51858
- Shimada, J. *see* Mitsushashi, Y. 1-41091
- Shimada, J. *see* Wakai, S. 1-39800
- Shimada, K. Heat flux at the thermionic collector 1-31484
- Shimada, K. *see* Ida, M. 1-36685
- Shimada, M. *see* Shimamoto, S. 1-51118
- Shimada, S. General configuration of optical fiber transmission systems 1-37895
- Shimada, S., Koyama, M. Optical fiber communication systems in Japan 1-47697
- Shimada, S. *see* Kimura, T. 1-51987
- Shimada, S. *see* Wakahara, T. 1-29504
- Shimada, T., Mori, K., Hoshinouchi, S., Kobayashi, M., Ando, T. CO<sub>2</sub> laser processing 1-41175
- Shimada, T. *see* Kimura, H. 1-48884
- Shimada, Y., Hasegawa, T., Kojima, H. Sputtering of FeCo-B amorphous films with soft magnetic properties 1-27141
- Shimamoto, S., Ando, T., Hiayama, T., Tsuji, H., Tada, E., Nishi, M., Yoshida, K., Okuno, K., Koizumi, K., Takahashi, Y., Kato, T., Oka, K., Ibaraki, Y., Sanada, Y., Yasukochi, K. Construction and operation of the cluster test facility 1-28369
- Shimamoto, S., Ando, T., Hiayama, T., Tsuji, H., Takahashi, Y., Tada, E., Nishi, M., Yoshida, K., Okuno, K., Koizumi, K., Kato, T., Yasukochi, K., Kensley, R.S., Oka, K., Shimada, M., Sanada, Y., Ibaraki, Y. Evolution of the Japanese test coil work for the Large Coil Task 1-51118
- Shimamoto, S. *see* Nishi, M. 1-28388
- Shimamura, H. Precision quartz thermometers for borehole observations 1-34693
- Shimamura, K., Sakasai, Y. Video teleconference systems psychological evaluation 1-52264
- Shimanovich, M.A. *see* Velednitskii, V.M. 1-53820
- Shimanuki, H. *see* Morita, M. 1-28185
- Shimanuki, Y. *see* Nakajima, N. 1-52059
- Shimauchi, M. Effects of foreign gases on the KrF laser spectra 1-46681
- Shimazu, H. *see* Yamakoshi, K. 1-30412
- Shimazu, T., Inoue, M., Hori, M., Tsujioka, K., Naito, M., Inada, H., Abe, H., Ikeda, M., Yachida, M., Tsuji, S., Kusuoka, H. Automated image processing system for the analysis of cine left ventriculograms 1-43325
- Shimbo, O. *see* Kennedy, D.J. 1-37876
- Shimbo, O. *see* Nguyen, L.N. 1-29046
- Shimeki, Y. *see* Matsushita, H. 1-34156
- Shimer, D.W. *see* Jacovides, L.J. 1-53744
- Shimizu, A. *see* Izumi, T. 1-52949
- Shimizu, A. *see* Matsuo, N. 1-43201
- Shimizu, E. *see* Matsushita, K. 1-48232
- Shimizu, F. *see* Suzuki, R. 1-29186
- Shimizu, H., Ikeda, K., Tomita, Y., Honda, S. Sample-hold type phase-locked loop 1-45339

- Shimizu, H., Itoh, K., Wada, M., Sugino, T., Teramoto, I. Improvement in operation lives of GaAlAs visible lasers by introducing GaAlAs buffer layers 1-37129
- Shimizu, H., Sasano, Y., Yasuoka, Y., Matsudo, O., Takeuchi, N., Okuda, M. The display methods of laser radar data using computer system 1-42710
- Shimizu, H. *see* Iwata, A. 1-33862
- Shimizu, H. *see* Nabeyama, H. 1-34083
- Shimizu, H. *see* Nakamura, K. 1-46354
- Shimizu, H. *see* Sugino, T. 1-37125
- Shimizu, H. *see* Takeuchi, M. 1-28209
- Shimizu, H. *see* Togashi, S. 1-52531
- Shimizu, H. *see* Wada, M. 1-37131
- Shimizu, H. *see* Watanabe, H. 1-40760, 1-40766
- Shimizu, H. *see* Yamamoto, T. 1-34271, 1-42615
- Shimizu, I., Oda, S., Saito, K., Tomita, H., Inoue, E. Studies on primary photoconductive a-Si:H using xerographic and vidicon techniques 1-46608
- Shimizu, I., Shirai, S., Inoue, E. Photoreceptor of a-Si:H with diodelike structure for electrophotography 1-46612
- Shimizu, I. *see* Khe, N.C. 1-33109
- Shimizu, I. *see* Oda, S. 1-46619
- Shimizu, I. *see* Shizukuishi, M. 1-28525, 1-28526
- Shimizu, K. *see* Honma, K. 1-48688
- Shimizu, M. *see* Kajitani, M. 1-37910
- Shimizu, M. *see* Okamoto, M. 1-44932
- Shimizu, M. *see* Sakurai, T. 1-34887, 1-43698
- Shimizu, N. *see* Izawa, T. 1-28513
- Shimizu, N. *see* Morita, M. 1-27129
- Shimizu, R., Everhart, T.E. Lateral spreads of energy dissipation profiles of 20-kV electrons in polymethylmethacrylate: Functional representation and its application to proximity effect 1-40487
- Shimizu, S., Kitagawa, M. A study of high-speed FFT using highly multi-dimensional memory structure 1-41735
- Shimizu, S. *see* Masui, T. 1-27686
- Shimizu, T., Kumeda, M., Watanabe, I., Noumi, Y. Effects of transition metal additives on amorphous silicon 1-50802
- Shimizu, T. *see* Suzuki, M. 1-40424
- Shimizu, Y., Naito, M., Odamura, M., Terasawa, Y. Numerical analysis of turn-off characteristics for a gate turn-off thyristor with a shorted anode emitter 1-50919
- Shimizu, Y., Yamamoto, Y. SAW propagation characteristics of complete cut of quartz and new cuts with zero temperature coefficient of delay 1-32948
- Shimmi, A., Iwasa, Y. Induction-heating equipment for industry 1-44494
- Shimoda, Y., Onuki, K. Small-sized coaxial-type paper capacitors for coaxial transmission system 1-27633
- Shimodaira, M., Shirogami, T., Murata, K., Takagi, K. Performance of the recently developed Ni-Cd cells for the ETS-III batteries 1-31427
- Shimodaira, M. *see* Higo, Y. 1-37907
- Shimokawa, O. *see* Takahashi, S. 1-52544
- Shimomura, T., Kobayashi, S. Color contrast criteria in a guest-host mode liquid crystal display 1-28530
- Shimomura, T., Oda, M. Experimental study on unified evaluation method and its application [education] 1-39313
- Shimono, T., Kitajima, H. Statistical properties of images blurred by various motions 1-51835
- Shimoyama, H. *see* Sato, K. 1-46338
- Shimura, F., Ohnishi, Y., Tsuya, H. Heterogeneous distribution of interstitial oxygen in annealed Czochralski-grown silicon crystals 1-40380
- Shimura, F. *see* Tanno, K. 1-27119
- Shimura, M., Baba, H. Abnormal photosensitization induced by crystal violet on  $\text{SnO}_2$  electrode 1-37007
- Shin, J.G. *see* Kassam, S.A. 1-37562
- Shin, K., Saito, T., Fujii, M., Nakamura, T. Spectral measurements of neutrons produced by 52 MeV protons with activation detectors 1-52688
- Shin, R.T. *see* Kong, J.A. 1-48844
- Shin, S.H., Pasko, J.G., Cheung, D.T. High performance epitaxial HgCdTe photodiodes for 2.7  $\mu\text{m}$  applications 1-46639
- Shin, Y.M. *see* Chan, K.C.D. 1-42958
- Shin Seung Ho *see* Seung Ho Shin
- Shin Seung-Ai *see* Seung-Ai Shin
- Shin-hong Jwo *see* Tien-shou Wu 1-45819
- Shin-ichi Kuribayashi *see* Kanai, A. 1-41846
- Shin-ichi Takahashi, Nagai, H. High quality LPE growth of InGaAsP/InP DH laser wafers under a  $\text{PH}_3$  ambient 1-27123
- Shinada, S. *see* Mikoshiba, S. 1-42696, 1-45876
- Shinaev, A.G. *see* Men'shov, B.G. 1-34931
- Shinagawa, M. *see* Kobayashi, K. 1-37852
- Shinagawa, Y. *see* Yawo, H. 1-44845, 1-44845
- Shinaishin, M.A., Sultan, M.A., el-Shaer, H.M., Rashad, S.M. Simulation of dynamic performance of a PWR plant as a power supply in a large power system 1-34995
- Shinbo, S. *see* Mochizuki, J. 1-33840
- Shinbrot, M. *see* Reeder, J. 1-35909
- Shindo, T., Kyono, N., Morita, S., Yamabuchi, T., Kagawa, Y. Dust-cap of the cone loudspeaker 1-38061
- Shindo, T. *see* Suzuki, T. 1-43760
- Shindov, V.S. *see* Kutyrkin, S.B. 1-32382
- Shine, E.P. *see* Wehrly, T.E. 1-35764
- Shine, S. *see* Avery, R. 1-42826
- Shiner, B. *see* Rochr, B. 1-32694
- Shinkarenko, G.V. *see* Alliluev, A.A. 1-44148
- Shinkarenko, G.V. *see* Vol'dyrev, V.T. 1-31317
- Shino, M. *see* Matsushita, K. 1-48232
- Shinoda, H., Kidode, M. Image data base 1-30046
- Shinoda, N. *see* Nonaka, S. 1-39167
- Shinoda, S., Hikino, K., Marumo, M. 275 kV XLPE insulated aluminum sheathed power cable for Okuyahagi No.2 Power Station 1-30748
- Shinoda, S., Hikino, K., Marumo, M. 275 kV XLPE insulated aluminium sheathed power cable for Okuyahagi No.2 Power Station 1-34881
- Shinoda, S., Kajitani, Y., Wai-Kai Chen Directed trees and bases 1-35821
- Shinoda, S., Kawamoto, T. Central trees and critical sets 1-35823
- Shinoda, S., Marumo, M., Kobayashi, M. 275 kV XLPE insulated aluminum sheathed power cable 1-49113
- Shinoda, S., Shu-Park Chan Element-value solvability of a linear passive resistive network with internal nodes 1-32140
- Shinoda, S. *see* Kawamoto, T. 1-44936
- Shinoda, T., Miyashita, Y., Sugimoto, Y., Yoshikawa, K. Characteristics of surface-discharge color AC-plasma display panels 1-45881
- Shinohara, H., Hatano, S. Measurement method of mode conversion coefficients at optical fiber splice 1-46545
- Shinohara, H. *see* Aoki, T. 1-44172
- Shinohara, K., Ito, M., Fukuda, H., Ueda, R. Homojunction  $\text{PbS}_{1-x}\text{Se}_x$  diode lasers with reduced threshold current densities 1-33238
- Shinohara, Y. Decommissioning of nuclear reactors 1-49952
- Shinohara, Y. *see* Oc, S. 1-41737
- Shinoki, F. Study on film deposition mechanism of RF sputtering method 1-32081
- Shinoki, F., Shoji, A., Kosaka, S., Takada, S., Hayakawa, H. Niobium nitride Josephson tunnel junctions with oxidized amorphous silicon barriers 1-32994
- Shinoki, F. *see* Shoji, A. 1-51109
- Shinonaga, H., Kurazono, S. Y dielectric waveguide for millimeter- and submillimeter-wave 1-40204
- Shinoyama, S. *see* Uemura, C. 1-39734
- Shinoyama, S. *see* Yamamoto, A. 1-32051
- Shinozaki, T. *see* Matsura, T. 1-45173
- Shinozuka, T. *see* Fujioka, M. 1-48328
- Shinozuka, T. *see* Furuhashi, Y. 1-33333
- Shinozuka, T. *see* Ishii, K. 1-48324
- Shinriki, M., Yamamoto, M., Mori, S. Multimode oscillations in a modified Van der Pol oscillator containing a positive nonlinear conductance 1-27342
- Shinsky, K. *see* Billing, M. 1-42862
- Shintake, T. *see* Matoba, M. 1-34482
- Shintani, M. *see* Kageyama, K. 1-50700
- Shintani, Y. *see* Tominaga, K. 1-27148
- Shintomi, T., Masuda, M., Eyssa, Y.M., Boom, R.W. Construction of a model magnet for shielded pulsed energy storage 1-28374
- Shintomi, T. *see* Murakami, Y. 1-28376
- Shioda, T. *see* Eda, H. 1-36903
- Shioda, T. *see* Noma, H. 1-43140
- Shioda, T. *see* Yamauchi, R. 1-42255
- Shiokawa, T., Karasawa, Y., Yokoi, H. A ship-borne helical array antenna for maritime satellite communication 1-41427
- Shiokawa, T. *see* Karasawa, Y. 1-46898
- Shiomi, H., Harada, T. On distribution of degradation parameter in accelerated life tests & estimation of life-time distribution [electrolytic capacitors] 1-45715
- Shiomi, T. *see* Otsu, Y. 1-29018
- Shiomi, Y. *see* Kai, K. 1-29825
- Shiomi, Y. *see* Nakajima, H. 1-47754
- Shiono, M., Koyama, T., Sanada, H., Tezuka, Y. Recognition of handprinted characters by simplified elastic matching method 1-47224
- Shiono, T. *see* Morita, M. 1-28185
- Shiosaki, T., Yamamoto, T., Oda, T., Harada, K., Kawabata, A. Low temperature growth of piezoelectric AIN film for surface and bulk wave transducers by RF reactive planar magnetron sputtering 1-32954
- Shiosaki, T., Yamamoto, T., Yagi, M., Kawabata, A. Plasma-enhanced metalorganic chemical vapor deposition of c-axis oriented and epitaxial films of ZnO at low substrate temperatures 1-50279
- Shiota, F. *see* Fujisawa, K. 1-33000
- Shiota, S., Nishijima, S., Okada, T. Degradation of transition temperature and critical current density in neutron irradiated  $\text{Nb}_3\text{Sn}$  and  $\text{V}_3\text{Ga}$  1-28300
- Shioya, A., Nakamura, M. A device for the detection of boundary between freight cars by axle detectors 1-49755
- Shioya, H., Takano, E., Aramaki, S., Kasuga, Y. 14/4 GHz microwave integrated frequency converter for satellite transponder 1-37881
- Shiozawa, T. *see* Morita, H. 1-33317
- Shipley, K.L. *see* Rosenberg, A.E. 1-37456
- Shippey, E.D., Schaub, P.E. Development of a compressed air energy storage power generation plant—the peppo demonstration plant study 1-31491
- Shir, C.C. Triangular propagation patterns for contiguous-disk magnetic bubble devices 1-46449
- Shir, C.C. *see* Blake, T.G.W. 1-46455
- Shirae, K. *see* Dalpadado, R.N.G. 1-40820, 1-40821
- Shirae, K. *see* Furukawa, H. 1-46473
- Shirafuji, J., Matsui, S., Hida, H., Inuishi, Y. Characteristics of Nb thin film microbridges fabricated by electron-beam lithography 1-40869
- Shirafuji, J., Tamura, A., Inoue, M., Inuishi, Y. Influence of lattice mismatch on properties of  $\text{In}_{0.4}\text{Ga}_{0.6}\text{As}_{1-y}\text{Py}$  layers epitaxially grown on InP substrates 1-50776
- Shirafuji, J. *see* Gi Il Kim 1-51255
- Shirafuji, J. *see* Jeong, M.U. 1-40462
- Shiragami, K. *see* Matsushima, H. 1-34156
- Shirahama, S. *see* Utsuro, M. 1-48537
- Shirahata, H., Fox, C.S. High power  $^{13}\text{C}^{16}\text{O}_2$  laser with three-mirror cavity 1-41045
- Shirahata, K., Susaki, W., Namizaki, H. Recent development on fiber optic devices 1-47696
- Shirahata, K. *see* Ishihara, O. 1-45680
- Shirahata, K. *see* Nakamura, G. 1-40421
- Shirahata, K. *see* Oomura, E. 1-41111
- Shirahata, K. *see* Susaki, W. 1-37167
- Shirai, K. Vowel identification in continuous speech using articulatory parameters 1-41608
- Shirai, K. *see* Ono, Y. 1-39113
- Shirai, S. *see* Mikoshiba, S. 1-45876
- Shirai, S. *see* Shimizu, I. 1-46612
- Shirai, T., Osaka, F., Yamasaki, S., Kaneda, T., Susa, N. Multiplication noise of InP avalanche photodiodes 1-46632
- Shirai, Y. *see* Yamakawa, T. 1-36226
- Shiraishi, F., Kim, C., Kim, H., Kikuchi, K., Husimi, K., Ohkawa, S. Epitaxial silicon position sensitive detectors 1-34451
- Shiraishi, H., Taniguchi, Y., Horigome, S., Nonogaki, S. Iodinated polystyrene: an ion-millable negative resist 1-32744
- Shiraishi, M. A practical application of a fluidic flowmeter 1-43465
- Shiraishi, T. *see* Terziyski, V. 1-32725
- Shirakawa, H., Ikeda, S., Aizawa, M., Yoshitake, J., Suzuki, S. Polyacetylene film: a new electrode material for photoenergy conversion 1-49650
- Shirakawa, H. *see* Okimi, K. 1-29505
- Shirakawa, I., Okuda, N., Harada, T., Tani, S., Ozaki, H. A layout system for the random logic portion of an MOS LSI chip 1-46303
- Shirakawa, I. *see* Asahara, S. 1-45767
- Shirakawa, I. *see* Futagami, S. 1-32495
- Shirakawa, I. *see* Tsukiyama, S. 1-45778
- Shirakawa, T. *see* Nishida, H. 1-40435
- Shiraki, H., Aizaki, N. Backscattered electron signal from alignment mark: experiment and simulation 1-40492
- Shiraki, H., Horigami, O., Murase, S. Influences of tensile and bending strains on the critical current in multifilamentary  $\text{Nb}_3\text{Sn}$  composites processed by Nb tube method 1-28276
- Shiramatsu, T. *see* Tien-shou Wu 1-45819
- Shirasaki, M., Kuwahara, H., Obokata, T. A compact polarization-independent optical circulator [for fibre optic communication] 1-33980
- Shirasaki, M., Kuwahara, H., Obokata, T. Compact polarization-independent optical circulator 1-51151
- Shirasaki, M., Tagaki, N., Obokata, T. Bistable optical switch using a yttrium-iron-garnet crystal with phase matching films 1-40977
- Shirasaki, M., Takagi, N., Obokata, T. Optical switch using electro-optic crystal with phase matching films 1-47695
- Shirasaki, Y. *see* Yamane, T. 1-33902
- Shirasu, H. *see* Suzuki, T. 1-50398
- Shirasu, H. *see* Yamakido, K. 1-52005
- Shiratori, N., Noguchi, S. A routing policy and information transmission characteristics in ladder-type computer networks 1-47397
- Shiratori, T. *see* Tanida, Y. 1-38126
- Shirayama, S. *see* Tai, I. 1-49246
- Shireman, D.W. Chopper controlled, line-commutated 10 KVA photovoltaic power conditioning unit 1-52919
- Shirley, S. Electronic aids for disabled people 1-38520
- Shirogami, T. *see* Shimodaira, M. 1-31427
- Shirokostup, A.M. *see* Belen'kii, A.D. 1-39163
- Shirokov, K.P., Dovbeta, L.I. Concepts of 'measurement systems' and 'measurement information system' 1-29966
- Shirokov, S.M. *see* Klovskiy, D.D. 1-47214
- Shirokov, V.L. *see* Lobanova, T.P. 1-49582

- Shironosov, V.G. The use of ferromagnetic resonance to increase the sensitivity of ponderomotive wattmeters 1-42673
- Shirshov, Yu.M., Tyagai, V.A., Vekshina, T.N. Studies in the electrolyte-silicon dioxide-silicon system under conditions of continuous dielectric etching 1-40478
- Shiryaev, F.Z. *see* Ageyev, A.I. 1-42866
- Shishido, C. *see* Uchida, T. 1-40975
- Shishido, M. *see* Hanamura, S. 1-29812
- Shishko, V.I. *see* Gromov, E.A. 1-27351
- Shishkov, A.G., Fedyunin, Yu.N., Il'icheva, E.I., Abakumov, B.M., Baikova, N.D., Marchenko, S.N. Microstructure of magnetic holograms on MnBi films 1-28238
- Shishkov, V. *see* Markov, V. 1-41165
- Shishlov, A.V. *see* Merkulov, V.V. 1-47028
- Shislo, V.N. *see* Khazanov, A.Sh. 1-37996
- Shiv Kumar R&D trends in India 1-26835
- Shiva, S.G. *see* Shah, A.M. 1-40675
- Shiva, S.G.S., Allard, P.E., Sequin, G. A class of composite codes 1-37419
- Shiva, S.G.S., Mimis, V. On the majority logic decoding of a class of composite codes 1-33550
- Shiva, S.G.S. *see* Chakravarthi, C.V. 1-47103
- Shivaprasad, A.P. *see* Shivaram, H.S. 1-45585, 1-52445
- Shivaprasad, A.P. *see* Vasantha, E. 1-48120
- Shivaram, H.S., Shivaprasad, A.P. A simple nonlinear D/A converter 1-45585
- Shivaram, H.S., Shivaprasad, A.P. A nonlinear analogue-to-digital converter for linearization of transducer input-output relationships 1-52445
- Shiwkow, D. An algorithm for non-linear static optimisation in power supply systems 1-43606
- Shiyi, S. *see* Guoding, H. 1-33466
- Shizukuishi, M., Kaga, E., Shimizu, I., Kokado, H., Inoue, E. Electrochromic display device based on amorphous WO<sub>3</sub> and solid proton conductor 1-28526
- Shizukuishi, M., Shimizu, I., Inoue, E. Coloration process in solid-state electrochromic device 1-28525
- Shkalikov, V.N. *see* Danyushevskiy, Yu.Z. 1-39995
- Shkaranda, V.A. *see* Bykovskiy, Yu.A. 1-36512
- Shkarlet, Yu.M. *see* Kosovskiy, D.I. 1-39835
- Shkarofsky, I.P., Nickerson, S.B. Multipath depolarization theory combining antenna with atmospheric and ground reflection effects 1-28895
- Shkarofsky, I.P. *see* Nickerson, S.B. 1-28896
- Shkarov, A.S. *see* Makhenko, V.I. 1-31719
- Shkil', V.M. *see* Masalov, S.A. 1-51586
- Shklarsky, D., Das, P., Milstein, L.B. Doppler insensitive time integrating correlator using SAW convolver and CCD 1-36749
- Shklarsky, D. *see* Das, P. 1-29620
- Shklyariy, S.V. *see* Borisov, B.N. 1-33281
- Shklyarskiy, V.I. *see* Melen', M.V. 1-50436
- Shkol'nikov, V.I. *see* Zelenov, A.B. 1-39920
- Shkunov, V.V. *see* Garibyan, O.V. 1-46589
- Shkunov, V.V. *see* Pilipetsky, N.F. 1-37212
- Shloma, A.M., Gol'fel'd, G.B. Sequential detection of signals buried in passive interference 1-47222
- Shloma, A.M., Korablev, A.Yu. Nonparametric sequential analysis using extremal statistics 1-41468
- Shlyagin, M.G. *see* Petrov, M.P. 1-28528
- Shlyapoberskiy, V.I. *see* Vasilyev, S.N. 1-37700
- Shlyk, V.G. *see* Petryaev, E.P. 1-38902
- Shlykov, G.P. Elimination of the effect of precision DAC-switch residual parameters 1-32383
- Shlykov, G.P., Aleshin, N.N. Conditions required for accurate operation of code-controlled dividers 1-40189
- Shlykov, G.P. *see* Temnogradov, A.V. 1-32381
- Shmakov, G.S., Mitsova, L.V., Lukovkin, G.F. Technological characteristics of a copper-aluminum oxide composition in the electromechanical of materials on machines equipped with a pulse generator 1-44539
- Shmal'ko, A.V. *see* Bykovskiy, Yu.A. 1-33058
- Shmartsev, Yu.V. *see* Arutyunyan, V.M. 1-32600
- Shmartsev, Yu.V. *see* Shik, A.Ya. 1-32676, 1-32684
- Shmelev, A.B. Nonlinear space-time estimate of phase fluctuations caused by propagation of a wave in a randomly inhomogeneous medium 1-41246
- Shmeleva, A. *see* Deutschmann, M. 1-34480
- Shmeleva, A. *see* Fabjan, C.W. 1-48585
- Shmeleva, A. *see* Ludlam, T. 1-34481
- Shmid, M., Engler, G., Yores, I., Skurnik, E. A negative surface ionization integrated target-ion source for an on-line isotope separator 1-48548
- Shmitov, O.S. *see* Torfimov, A.I. 1-38171
- Shmoys, J. *see* Liu, C.C. 1-51743
- Shmykov, V.N. *see* Konyashenko, E.A. 1-51661
- Shneps, M.A. Several problems involved in the control of a telephone network 1-37699
- Shnitser, I.N., Soloviov, L.K., Plaxin, O.T. Burning low grade anthracite and a mixture of anthracite with fuel oil in furnace of a TPP-210A boiler 1-35047
- Shoamanesh, A., Shafai, L. Characteristics of circular loop antennas above a lossless ground plane 1-41386
- Shoch, J.F., Cohen, D., Taft, E.A. Mutual encapsulation of internetwork protocols 1-51957
- Shoemaker, E. *see* Ecker, J.G. 1-50240
- Shoga, M. *see* Vezzoli, G.C. 1-36489
- Shohet, J.L. *see* Pedrow, P.D. 1-43791
- Shoikhet, G.I. *see* Gerasimyak, R.P. 1-39143
- Shoja, G.C. *see* Grimsdale, R.L. 1-37759
- Shoji, A., Shinoki, F., Kosaka, S., Hayakawa, H. Tunneling characteristics of NbN/NbN Josephson junctions with glow-discharge-produced amorphous silicon barriers 1-51109
- Shoji, A. *see* Shinoki, F. 1-32994
- Shoji, K. *see* Kawasaki, T. 1-52332
- Shokin, A.N. *see* Emel'yanov, A.V. 1-28520
- Sholpo, I.A. Hierarchical games with ordered outcomes 1-44819
- Shome, N.R. *see* Mukhopadhyay, M. 1-36132
- Shonin, L.N. *see* Komarov, Yu.A. 1-52605
- Shook, C.M. Tactical C<sup>3</sup> systems and methodology for functional decomposition 1-52074
- Shoore, J.D. *see* Richman, I. 1-52356
- Shope, L.A., Berg, R.S., O'Neal, M.L., Barnaby, B.E. Operation and life of the zetratron: a small neutron generator for borehole logging 1-38572
- Shope, S.L. *see* Miller, R.B. 1-48397
- Shore, J.E. Minimum cross-entropy spectral analysis 1-33613
- Shore, J.E., Gray, R.M. Minimum cross-entropy pattern classification and cluster analysis 1-33691
- Shore, J.E., Johnson, R.W. Properties of cross-entropy minimization 1-51761
- Shore, K.A., Rozzi, T.E. Near-field control in multistripe geometry injection lasers 1-37121
- Shore, K.A., Rozzi, T.E. Stability analysis of transverse modes in stripe-geometry injection lasers 1-46736
- Shorokhov, V.A., Pak, V.N. Standardisation of units for automatic control of the functional groups of a power generating unit 1-31035
- Shorokhova, V.S. *see* Grekhov, I.V. 1-32678
- Short, F. *see* Thompson, P. 1-43118
- Short, K. Putting fans up keeps heating costs down [space heating] 1-53786
- Short, K. Cutting the cost of breathing fresh air [heating and ventilation] 1-53797
- Short, P. DC servo drive control algorithm 1-49512
- Short, P.J. System X: testing of slide-in-units 1-33889
- Short, R. *see* Kaminishi, K. 1-46710
- Shostatskiy, N.N. *see* Grudinskiy, M.A. 1-41720
- Shotov, A.P., Vyatkin, K.V., Sinyatynskii, A.A. Injection lasers fabricated by molecular epitaxy with double heterostructures based on Pb<sub>1-x</sub>Sn<sub>x</sub>Se 1-37150
- Shou Zu Shi *see* Shi Shou Zu
- Shou-Qian Ding *see* Ding Shou-Qian
- Shou-Xian Fang *see* Fang Shou-Xian
- Shou-yu Dai *see* Dai Shou-yu
- Shouls, R.R. *see* Hughes, A. 1-43611
- Shouwu Wang *see* Wang Shouwu
- Shovkoplyas, V.M., Avramchenko, P.F. The laser welding of thin-walled pipes of steel 12Kh18N10T 1-44536
- Showleh, M., Dewan, S.B. Calculation of TIF (Telephone Influence Factor) for a phase-controlled rectifier bridge with source inductance 1-51631
- Shpachuk, V.P. *see* Bozhko, A.E. 1-48269
- Shpak, M.T. *see* Prokhorenko, V.I. 1-51402
- Shperling, B.R., Fakheri, A.J., Shih, C.H., Ware, B.J. Analysis of single phase switching field tests on the AEP 765 kV system 1-43723
- Shperling, B.R., Shih, C.H., Fakheri, A.J., Ware, B.J. Analysis of single phase switching field tests on the AEP 765 kV system 1-34842
- Shpilevskaya, L.I. *see* Baryshev, V.I. 1-49279
- Shpunt, V.Kh. *see* Kalmaykova, N.P. 1-36490
- Shreider, E.J. *see* Batishche, S.A. 1-46788
- Shreider, E.Ya. *see* Batishche, S.A. 1-33282
- Shreve, W.R. Active aging of SAW resonators 1-36766
- Shreve, W.R. *see* Cross, P.S. 1-36761
- Shreyer, D.W. *see* Neilsen, I.R. 1-43322
- Shrider, K.R. *see* Zalay, A.D. 1-33299
- Shridhar, M., Mohankrishnan, N., Baraniecki, M. Text-independent speaker recognition using orthogonal linear prediction 1-37459
- Shridhar, M. *see* Chottera, A. 1-51847
- Shrikhande, S.S. *see* Naik, R. 1-27023
- Shriver, B.L. *see* Main, A.P. 1-53221
- Shropshire, J.A. *see* Bellows, R.J. 1-31415
- Shropshire, J.A. *see* Rao, B.M.L. 1-44321
- Shrotri, J.J. *see* Murthy, M.N.S. 1-51083
- Shrout, P.E. *see* Levin, B. 1-39531
- Shrout, T.R., Cross, L.E., Moses, P., McKinstry, H.A., Neurgaonkar, R. A phenomenological theory for predicting the temperature dependence of elastic, dielectric and piezoelectric properties in simple proper ferroelectric crystals 1-32947
- Shrout, T.R. *see* Gururaja, T.R. 1-36735
- Shrum, R.E. A nontechnical overview of the 1979 WARC 1-52185
- Shryl, V.F. *see* Knizhnik, R.G. 1-47518
- Shtarev, N.N. *see* Otchalko, V.F. 1-36299
- Shterev, Z.St. Microprocessor system for automatic control of the water-cement ratio and the fluidity of concrete mixtures 1-44567
- Shternberg, A.A. *see* Fridkin, V.M. 1-33118
- Shternberg, A.A. *see* Galstyan, V.G. 1-32653
- Shtofich, S.V. *see* Emel'yanov, A.V. 1-28520
- Shtofich, S.V. *see* Masloboev, Yu.P. 1-28733
- Shtotskii, Yu.V. *see* Belyaev, V.N. 1-30323
- Shtrikman, H. *see* Zemel, A. 1-36495
- Shtrikman, M.M., Pavlov, A.S., Gneushev, G.A. The automatic argon-arc welding of thick-walled pipes of the 30KhGSN2A steel with a slit-like gap 1-53827
- Shtrikman, M.M. *see* Simonik, A.G. 1-35540
- Shtrikman, S. *see* Korn, U. 1-38191
- Shturbin, A.V. *see* Vorob'ev, L.E. 1-36466
- Shu Jiu-ping *see* Lin Shou-chi 1-28616
- Shu Lin *see* Miller, M.J. 1-29061
- Shu Ren-Ben *see* Zhu Chuang-Qi 1-47406
- Shu Shi Cao *see* Cao Shu Shi
- Shu-Chun Chen *see* Chen Shu-Chun
- Shu-fen Fu *see* Fu Shu-fen
- Shu-Hung Leung *see* Barnes, C.W. 1-47191
- Shu-luan Zhao *see* Zhao Shu-luan
- Shu-ming Wei *see* Wei Shu-ming
- Shu-Park Chan Engineering education in China today—some observations and recommendations 1-26787
- Shu-Park Chan *see* Shinoda, S. 1-32140
- Shu-Tong Zhou *see* Chang, W.S.C. 1-36971
- Shu-tong Zhou *see* Zong-Qi Lin 1-45631
- Shu-yuan Lin *see* Lin Shu-yuan
- Shu-Zhen Li *see* Li Shu-Zhen
- Shu-zheng Cai *see* Cai Shu-zheng
- Shub, C.M. Simulation of structured hardware designs 1-32318
- Shuba, V.D. *see* Armand, N.A. 1-43441
- Shubaly, M.R. A high-current DC heavy-ion source 1-38408
- Shubaly, M.R., Hamm, R.W. A high-current four-beam xenon ion source for heavy-ion fusion 1-38376
- Shubaly, M.R., Judd, R.A., Hamm, R.W. BEAM, an improved beam extraction and acceleration modeling code 1-43046
- Shubaly, M.R. *see* Hepburn, J.D. 1-38351
- Shubenko, A.L. *see* Shubenko-Shubin, L.A. 1-31033
- Shubenko-Shubin, L.A., Shubenko, A.L., Kovalev, A.S., Rogovoi, M.I. Automating the design of turbine moving blades 1-31033
- Shubik, M. *see* Dubey, P. 1-39520
- Shubnikov, M.L. Multichannel electrical lead into a high-pressure chamber 1-40261
- Shuchman, R.A., Maffett, A.L., Klooster, A., Jr. Static and dynamic modeling of a SAR imaged ocean scene 1-38593
- Shudlov, V.I. *see* Pyshkin, S.L. 1-38151
- Shueren, P. van der *see* van der Shueren, P.
- Shuh-Haw Sheen *see* Raptis, A.C. 1-43476
- Shui Yong-an, Jiang Wen-hwa, Zhang De, Wu Web-qui Suppression of reflection coefficient sidelobes of SAW reflective arrays by means of withdrawal weighting 1-36788
- Shukello, I.A. *see* Belov, V.P. 1-43017
- Shukello, I.A. *see* Nagaenko, M.G. 1-48455
- Shukov, B.B. The limits of stability of the problem of synthesizing an antenna array 1-41305
- Shulga, V.I. *see* Bulgakov, Y.V. 1-50767
- Shulga, V.I. *see* Klimenko, V.V. 1-28559
- Shul'gin, V.A. *see* Komarov, V.A. 1-51576
- Shuliak, V.G., Rabochii, A.A. Comparative evaluation of properties of current elements of advancing division devices with different switching methods 1-31374
- Shulika, V.V., Startseva, I.E., Shur, Ya.S. Influence of destabilisation of the domain structure produced by rapid cooling on magnetic properties of silicon iron 1-40778
- Shul'man, A.Ya. *see* Kotelnikov, I.N. 1-30134
- Shul'ts, L.A., Orel, L.I., Bogoyavlenskii, M.S., Varfolomeev, Yu.M., Il'ganaev, B.I., Khaikhan, R.A. Improvement in the efficiency of utilisation of natural gas in PTVM water-heating boilers [TiO<sub>2</sub> transducers] 1-49280
- Shultz, R.D., Mahmoud, A.A. A method for determining harmonic current propagation due to AC/DC converters 1-53065
- Shumeiko, N.A. *see* Alipov, N.V. 1-27201
- Shumelov, R.M. *see* Dem'yanenko, V.V. 1-52259
- Shumikhin, B.G. *see* Voronin, S.G. 1-31251
- Shumin, W.A. *see* Adams, R.D. 1-50691
- Shumpert, T.H., Blalock, T.A., Edlin, G.R. Experimental determination of the electromagnetic field in the near-zone of a high power UHF pyramidal horn antenna 1-41258
- Shumpert, T.H., Christakos, G.J. Numerical model for predicting the HF and VHF emissions from ionized (lightning) channels 1-39660
- Shumpert, T.H. *see* Edlin, G.R. 1-41260
- Shumpert, T.H. *see* Lott, G.K., Jr. 1-42716
- Shumpert, T.H. *see* Riggs, L.S. 1-41223
- Shumpert, T.H. *see* Strickland, B.R. 1-42612
- Shumskaya, L.I. *see* Novgorodov, M.Z. 1-37079
- Shumskii, V.N. *see* Neizvestnyi, I.G. 1-32688
- Shun-Chen Niu *see* Chiang, D.T. 1-35686
- Shung-Wu Lee, Rahmat-Samii, Y. Simple formulas for designing an offset multibeam parabolic reflector 1-41384

- Shunxing Zhang *see* Zhang Shunxing  
 Shunyi Zhang *see* Zhang Shunyi  
 Shupe, C.F. Automatic component placement in an interactive minicomputer environment 1-45772  
 Shuqin Hu *see* Hu Shuqin  
 Shur, M. *see* Eastman, L.F. 1-50792  
 Shur, M. *see* Madan, A. 1-35373  
 Shur, M.G. On continuity criteria for Markov processes 1-26994  
 Shur, M.S. *see* Kastalsky, A.A. 1-50781  
 Shur, Ya.S. *see* Puzanova, T.Z. 1-32961  
 Shur, Ya.S. *see* Shulika, V.V. 1-40778  
 Shuriet, G.M. *see* Adib, M. 1-48656  
 Shurmer, H.V. A flexible microwave automatic network analyser system 1-42528  
 Shurtleff, R.N. *see* McAulay, A.D. 1-42342  
 Shurupov, A.A. Assessing the influence of a slipping rotary frequency converter on the steady-state stability of a power system 1-30612  
 Shurupov, A.A. *see* Bulochkin, G.I. 1-43508  
 Shusharov, Yu.A. *see* Borodai, P.I. 1-35229  
 Shushpanov, O.E. *see* Aleksandrov, I.V. 1-28475  
 Shusterman, L.P. *see* Dalinenko, N.K. 1-41173  
 Shustov, N.V. *see* Zaletin, V.M. 1-38437  
 Shutko, A.M. *see* Grankov, A.G. 1-43449  
 Shutov, V.N. *see* Gorodetskii, V.I. 1-39063  
 Shutsikii, V.I., Dzyuban, V.S., Prudnikov, V.S., Galibin, A.A. A device for controlling the resistance across switchgear contacts 1-53572  
 Shutt, S.G. A concept for a high-accuracy, low-cost accelerometer 1-52880  
 Shuvalov, L.F. *see* Ganichev, V.A. 1-38418  
 Shvarts, Yu.M. *see* Konakova, R.V. 1-32796  
 Shvartser, A.Ya. *see* Geller, A.L. 1-44529  
 Shvartsman, V.O., Osipov, V.G. The transmission of data over telephone switching networks 1-37788  
 Shvets, V.A. The shaping of a pulsed monochromatic beam in a high-current electron gun 1-43141  
 Schwartz, G. *see* Gutman, S. 1-50074  
 Shyam, R. *see* Mehra, R.M. 1-40422  
 Shyh Wang, Chung-Yih Chen, Liao, A.S.-H., Figueroa, L. Control of mode behavior in semiconductor lasers 1-33235  
 Shyh Wang *see* Chung Yih Chen 1-37139  
 Shyussler, R. *see* Damatov, Ya.M. 1-32243  
 Si-ding Zheng *see* Zheng Si-ding  
 Si-gui Min *see* Min Si-gui  
 Sibbett, W., Taylor, J.R., Welford, D. Substituent and environmental effects on the picosecond lifetimes of the polymethine cyanine dyes 1-33200  
 Sibbett, W. *see* Margulis, W. 1-37035  
 Sibbett, W. *see* Tocho, J.O. 1-33276, 1-33286  
 Sibilla, J.T. *see* Scerbo, L.J. 1-37799  
 Sibillot, P. *see* Vanneste, C. 1-40852  
 Sibul, L.H., Titlebaum, E.L. Signal design for detection of targets in clutter 1-29785  
 Sibul, L.H., Ziomek, L.J. Generalized wideband crossambiguity function 1-41774  
 Sibul, L.H. *see* Titlebaum, E.L. 1-47118  
 Siechart, F. Von *see* Von Siechart, F.  
 Siechla, F. An automatic cut out for incorporation in transistorised circuits 1-36379  
 Siechla, F. A maintenance unit for AF and radio amateurs 1-38003  
 Siechler, J. *see* Adams, M.E. 1-50200  
 Siciliano, G. Electricity as a cause of accidents 1-31842  
 Sickafus, E.N., Tabock, J., Bombard, J.L., Lee, S.M., Sundaram, V.S. Interlayer oxidation via pores in multilayer metallic films: Ag/Pd/Ti/(111) Si 1-27167  
 Sicre, E.E. *see* Bolognini, N. 1-46803  
 Sid-Ahmed, M.A. *see* Chottera, A. 1-51847  
 Siddiqi, S.A. *see* Nazar, F.M. 1-51252  
 Siddiqui, Z.H. *see* Hashmi, J. 1-38861  
 Siddiqui, Z.H. *see* Jafri, M.N. 1-38860  
 Siddiqui, Z-ul-H., Iqleem, J. Reliability of nuclear power plant control software packages 1-38858  
 Sidenblad, K.M., Lee, S.T.Y. A probabilistic production costing methodology for systems with storage 1-43550  
 Sidford, M.J. Airframe multipath effects in airborne adaptive antenna arrays 1-41422  
 Sidi, M. *see* Segall, A. 1-37668  
 Sidinger, J.L. *see* Hage, J.A. 1-37832  
 Sidler, P. The railway station of Zurich-Kloten Airport 1-31546  
 Sidler, R. Professional video cassette system for TV advertising in Switzerland 1-29911  
 Sidlow, R. *see* Gear, P.E. 1-38400  
 Sidorenko, A.V. *see* Kuznetsov, Yu.A. 1-52710  
 Sidorenko, E.M. *see* Abil'slitov, G.A. 1-37083  
 Sidorenko, E.N. *see* Turik, A.V. 1-28166  
 Sidorenko, V.A. *see* Egorov, V.V. 1-43881  
 Sidorov, A.N. *see* Zobov, E.A. 1-28157  
 Sidorov, G.I., Yurchak, B.S. Analysis of the errors of measurements of radar reflectivity of meteorological objects 1-38589  
 Sidorov, G.I. *see* Lagutin, M.F. 1-37405  
 Sidorov, V.G. *see* Firago, B.I. 1-38976  
 Sidorov, V.G. *see* Zhilyayev, Yu.V. 1-46656  
 Sidorovich, V.G. *see* Pasmannik, G.A. 1-51625  
 Sidiyakin, V.F. A series inverter with a stable output characteristic 1-35245  
 Sie, C. *see* Reyes, W. 1-45756  
 Siebenand, J.F. *see* Diller, T.C. 1-37455  
 Siebeneicher, K. Suppressing unwanted RF signals 1-37330  
 Siebeneicher, K. Noise suppression—what does it mean? [RFI suppression] 1-37331  
 Sieber, F. Asymmetric double-winding starter for three-phase induction motors 1-31223  
 Sieber, P., Sorgenfrei, J. Block oriented design of VLSI circuits 1-40717  
 Sieber, W. *see* Schiller, S. 1-32082  
 Siebert, B.R.L., Brede, H.J., Klein, H., Schlegel-Bickmann, D.R., Scholer, H. Optimierung der Streuprobewahl beim Neutronenflugzeitexperiment (Optimising the scattering sample in neutron time-of-flight experiments) 1-52748  
 Siebert, H.J. The data centre—tool for development 1-37747  
 Sieg, H.-C., Strothmann, W. Power economical system of German Federal Railway 1-44421  
 Siegel, C.M., Mattauch, R.J. Trimming epitaxial GaAs Schottky-diode parameters via anodic oxidation 1-40547  
 Siegel, H.J. *see* McMillen, R.J. 1-47407  
 Siegel, H.J. *see* Mueller, P.T., Jr. 1-27089  
 Siegel, J. *see* Holz, G. 1-45883  
 Siegel, L.J. *see* Bronson, E.C. 1-41609  
 Siegel, L.J. *see* Mueller, P.T., Jr. 1-27089  
 Siegel, M.D., Klein, S.A., Beckman, W.A. A simplified method for estimating the monthly-average performance of photovoltaic systems 1-49360  
 Siegel, W., Kuhnelt, G., Ziegler, E. Electrical properties of grain boundaries in n-type and p-type GaP 1-32640  
 Sieger, G. Intelligent measuring equipment [HP 8903 audio analyser] 1-29978  
 Siegl, J. Measurement procedure for evaluating the equivalent circuit elements of bond wires in microwave integrated circuits 1-50710  
 Siegl, J., Tulaja, V., Hoffmann, R. General analysis of interdigitated microstrip couplers 1-50620  
 Siegl, L.R. Magnetic shielding of print wire actuator 1-28937  
 Siegl, L.R. *see* Bateson, J.E. 1-46595  
 Siegmán, A.E. Passive mode locking using an antiresonant-ring laser cavity 1-46756  
 Siegmund, O., Sanford, P., Mason, I., Culhane, L., Kellock, S., Cockshott, R. A parallel plate imaging proportional counter with high background rejection capability 1-34438  
 Siegrist, J.L. *see* Donald, M.H.R. 1-42924  
 Siegrist, J.L. *see* Lee, M.J. 1-42908  
 Siehs, J. *see* Boeck, H. 1-46518  
 Siejka, J., Morawski, A., Lagowski, J., Gatos, H.C. Electric charge in GaAs native oxides: annealing characteristics 1-32757  
 Siejka, J. *see* Lagowski, J. 1-50830  
 Sielken, R.L., Jr. *see* Baker, T.C., Jr. 1-35783  
 Siemann, R. Instability growth rate calculations for high energy storage rings 1-42986  
 Siemann, R. *see* Billing, M. 1-42862  
 Siemann, R. *see* Rice, D. 1-42989  
 Siemann, R. *see* Seeman, J. 1-43023  
 Siemann, R.H. *see* Meller, R.E. 1-42985  
 Siemers, D., Stuer, H., Durrschnabel, W. Bending limits for copper alloy spring materials 1-35977  
 Siemsen, K.J. Sequence bands of the isotope  $^{12}\text{C}^{18}\text{O}_2$  laser 1-28638  
 Sienkiewicz, G.C. *see* Sebrosky, R.A. 1-27669  
 Siennicki, A. *see* Jakubowski, A. 1-46298  
 Siemann, R. Control of small relays with ICs 1-45734  
 Sierninski, Z. Polish permanent magnets with an energy density of  $160 \text{ kJ/m}^3$  1-51091  
 Sievers, A.J. *see* Greene, L.H. 1-33271  
 Sievers, P. *see* Barisy, A. 1-42917  
 Siewiorek, D.P. *see* Director, S.W. 1-45395, 1-45410  
 Sieyes, D.C. *see* de Sieyes, D.C.  
 Siffert, P. *see* Fogarassy, E. 1-39125  
 Siffert, P. *see* Grob, A. 1-36557  
 Siffert, P. *see* Stuck, R. 1-36501  
 Siffert, P. *see* Toulemonde, M. 1-40384, 1-50868  
 Sigalotti, G.B. *see* Dalla Porta, F. 1-52777  
 Sigaud, E. *see* Battisti, S. 1-42801  
 Sigel, G.H., Jr., Friebele, E.J. Radiation damage in doped silica fibers 1-40947  
 Sigg, P.K. Beam phase stabilisation at the SIN injector cyclotron 1-52631  
 Sigmon, T.W. Recrystallization of ion implanted amorphous heavily damaged semiconductors 1-36556  
 Sigmon, T.W. *see* Leitola, A. 1-27922  
 Signell, S., Mossberg, K. SC-technology gives us monolithic filters 1-27493  
 Signer, K. *see* Schaffer, G. 1-48935  
 Signorini, C. *see* Cervellera, F. 1-42840  
 Siilo, I., Ohtsu, M., Tako, T. Real-time processing system of the measurement of laser frequency stability 1-42531  
 Siilo, I., Ohtsu, M., Tako, T. Frequency stabilization of a He-Xe laser using a Stark spectrum in  $\text{H}_2\text{CO}$  1-46682  
 Sikes, L.D., Campbell, T.G. The quad aperture (hoop/column) antenna for advanced communications missions in the 1990s [satellite antennas] 1-41357  
 Sikolenko, V.F. *see* Baldin, A.M. 1-42889  
 Sikora, J. Numerical analysis of electromagnetic field in a linear motion asynchronous motor 1-31255  
 Sikora, J., Sroka, J., Wincenciak, S. Numerical analysis of certain electric heating arrangements 1-53782  
 Sikora, J., Stabrowski, M. Problems of computer-aided electromagnetic field analysis in electric machines 1-53371  
 Sikora, J. *see* Skoczylas, J. 1-39006  
 Sikora, R., Krason, P., Gramz, M. Synthesis of the magnetic field due to a thin-walled solenoid 1-37260  
 Siladi, V. Calculation of current of an inverter loaded by an induction motor 1-49550  
 Silaev, E.F. *see* Gromov, V.S. 1-31709  
 Silaev, V.I. *see* Zhdanov, K.F. 1-42605  
 Silant'ev, V.A. *see* Yudov, M.F. 1-35128  
 Silard, A., Bodea, M., Luca, M. Computer-aided investigation and prediction of the surge capability of power thyristors. I. Theory, model, computational techniques 1-36609  
 Silard, A., Dascalescu, N., Turtudau, F. Improved basic design criteria for light-triggered thyristors: theory and experiment 1-32813  
 Silayev, A.M., Yakimov, A.V. Periodic nonstationarity of noise in harmonic systems 1-31951  
 Silber, L. *see* Weiner, M. 1-40842  
 Silberberg, T. *see* Dinstein, I. 1-29106  
 Silberhorn, G. Hall light—with dimmer 1-49790  
 Silberman, N. *see* Ben Zaken, M. 1-37541  
 Silcock, H. A user-microprogrammable sixteen-bit microprocessor for military/aerospace applications 1-52881  
 Silfhout, A. Van *see* Van Silfhout, A.  
 Silfvast, W.T., Szeto, L.H., Wood, O.R., II. Isoelectronic scaling of recombination lasers to higher ion stages and shorter wavelengths 1-51333  
 Silfvast, W.T. *see* Wood, O.R. 1-51383  
 Silin, A.V., Samarín, V.P. Compatibility-based choice of receiver parameters in communications equipment 1-41876  
 Silingardi, M. Transports becoming increasingly electric 1-49760  
 Silk, M.G. The propagation of ultrasound in anisotropic weldments 1-35991  
 Silleni, S. Planning the size of ground-wave radio circuits 1-46886  
 Sillou, D. *see* Kuroda, K. 1-38436  
 Sills, R.J. *see* Williams, J.A. 1-28863  
 Silny, J. *see* von Essen, R. 1-52787  
 Silva, A. Electronic bridge for measuring equipotential lines by the resistive paper method 1-30190  
 Silva, A.M. Leite de *see* Leite de Silva, A.M.  
 Silva, G.M.S. De *see* De Silva, G.M.S.  
 Silva, J.G.C. *see* e Silva, J.G.C.  
 Silva, J.H. *see* Slobodnik, A.J., Jr. 1-28202  
 Silva, J.Lopes da *see* Lopes da Silva, J.  
 Silva, K.T.L. De *see* De Silva, K.T.L.  
 Silva, M.M. *see* Piedade, M.S. 1-45480  
 Silva, R., Rogers, G.L. Coded aperture imaging. A noncoherent optical approach 1-51859  
 Silva, R. *see* Stowell, W.K. 1-51495  
 Silva, R.E. *see* Enghausen, W.A. 1-37838  
 Silva Miranda, F. *see* Retter, G. 1-38975  
 Silva-Martinez, J. *see* Sanchez-Sinencio, E. 1-45284  
 Silver, A.H., Pedersen, R.J., McColl, M., Dickman, R.L., Wilson, W.J. The millimeter wave super-Schottky diode detector 1-28324  
 Silver, D.A. *see* Prime, J.B., Jr. 1-49116  
 Silver, M. *see* Datta, T. 1-40460, 1-46625  
 Silver, R. *see* Britton, A. 1-35356  
 Silver, W. Proposed Recommended Practices in applying broadband vibration screening to electronic hardware 1-44680  
 Silverberg, M.H. *see* Hall, H.M. 1-37563  
 Silverman, H.F. *see* Dixon, N.R. 1-41568  
 Silverman, R. *see* Dun, H.P. 1-45394  
 Silversmith, D.J. *see* Geis, M.W. 1-45087, 1-45092  
 Silversmith, D.J. *see* Withers, R.S. 1-46310  
 Silvester, P. *see* Chari, M.V.K. 1-49413  
 Silvester, P.P. *see* Csendes, Z.J. 1-44028  
 Silvestri, G.J. *see* Bennett, S.B. 1-31006, 1-49268  
 Silvestri, M. General considerations on the electric vehicle and associated problems 1-39154  
 Silvestri, V.J. *see* Chen, M.C. 1-27949  
 Silvestri, V.J. *see* Lever, R.F. 1-40483  
 Silvestrov, G. *see* MacLachlan, J.A. 1-43071  
 Silvestrov, G.I. *see* Bayanov, B.F. 1-48465  
 Silvey, G.N. *see* Jasnosz, J.K. 1-48972  
 Sim, G. *see* Leonard, R.F. 1-46215  
 Simankova, L., Barton, J. Using acoustic surface waves in IF filters of TV receivers 1-42400  
 Simanovskaya, Ye.I. *see* Grigor'yants, V.V. 1-33057  
 Simard, R., Miller, R. Computer conferencing to enhance nuclear reactor safety 1-38882  
 Simashkevich, A.V. *see* Ivanova, G.N. 1-27807  
 Simcox, J.B. *see* Fenton, P.J. 1-43748  
 Smedru, A. *see* Cserenyi, I. 1-31079  
 Simeonova, S.V. *see* Gradinarov, P.G. 1-46635  
 Simha, D.A.K. Different types of cables, their construction and design 1-40256

- Simha, D.A.K. Co-axial cable, its design and application 1-42143
- Simi, V.M. Very low power random-access memory cell 1-45381
- Simin, N.S. *see* Berger, M.N. 1-40210, 1-50627
- Simkin, V.G. *see* Cser, L. 1-38455
- Simko, R. *see* Drori, J. 1-28127
- Simko, R.T. *see* Drori, J. 1-27384
- Simmons, B.E. *see* Burke, M.F. 1-29328
- Simmons, F.R. Fire protection for computer rooms 1-35623
- Simmons, F.S. *see* Randall, C.M. 1-48797
- Simmons, G.I. *see* Perry, C.H. 1-27769
- Simmons, J.E. *see* Hollas, C.L. 1-43199
- Simmons, J.E. *see* Robinson, W.G. 1-48093
- Simmons, J.G., Faraone, L., Mishra, U.K., Hsueh, F.-L. Determination of the switching criterion for metal/tunnel-oxide/N/P<sup>+</sup> silicon switching devices 1-36529
- Simmons, J.G. *see* Faraone, L. 1-40613
- Simmons, J.G. *see* Nassibian, A.G. 1-50932
- Simmons, P. On-line communication using satellite, video, and computers 1-37774
- Simmons, W.W., Hunt, J.T., Warren, W.E. Light propagation through large laser systems 1-51505
- Simms, D. Wiring for your homemade electricity [DC power] 1-53066
- Simnad, M. Progress in the developing countries 1-30903
- Simoens, H. *see* De Mey, G. 1-53626
- Simoens-Costa, A., Quintana, V.H. A robust numerical technique for power system state estimation 1-34767
- Simoens-Costa, A., Quintana, V.H. An orthogonal low processing algorithm for power system sequential state estimation 1-48955
- Simon, A.C. *see* Caulder, S.M. 1-44337
- Simon, A.C. *see* Wales, C.P. 1-31401
- Simon, B. *see* Disney, R.L. 1-26985
- Simon, J. *see* Martin, R. 1-50027
- Simon, J.C., Joindot, I., Hui Bon Hoa, D., Charil, J. On-line GaAs(GaAl)As laser diode amplifier for single-mode fiber communication systems 1-41103
- Simon, M. *see* Bammert, K. 1-53312
- Simon, M.de Saint *see* de Saint Simon, M.
- Simon, P. Introduction of new maintenance system for fixed assets 1-48929
- Simon, P. *see* Kaloi, C.M. 1-51710
- Simon, S. Practical TV servicing: capacitor defects 1-29880
- Simon, S. Use of thyristor for HV supplies [TV receivers] 1-34047
- Simon, S. Practical TV servicing: hum and hum bar problems 1-34075
- Simon, S. Practical TV servicing: CRT reactivation 1-45869
- Simond, J.-J. Laminated salient-pole machines: numerical calculation of the rotor impedances, starting characteristics, and damper-bar current distribution 1-35144
- Simondet, F., Venger, C., Martin, G.M., Chaumont, J. Heat treatment behaviour of Cr implanted in GaAsSI material 1-27817
- Simoni, L. A general approach to the endurance of electrical insulation under temperature and voltage 1-51052
- Simonik, A.G., Vereshchagin, S.I., Shtrikman, M.M., Sukhovkhov, A.A. The welding of a magnesium alloy with a submerged non-consumable electrode 1-35540
- Simonis, F. *see* De Waal, H. 1-27836
- Simonis, R. *see* Masseboeuf, C. 1-47458
- Simonits, A. *see* Moens, L. 1-52681
- Simonon, M. *see* Lecat, A. 1-49630
- Simonov, V.A. *see* Mironov, L.G. 1-30394
- Simonova, L.V. Application of the degenerated cycle method in the investigation of high order relay systems 1-36383
- Simonovits, M., Sos, V.T. Intersection theorems on structures 1-27027
- Simons, G.A. *see* Nebolsine, P.E. 1-38563
- Simons, G.G. *see* Hanna, D.W. 1-52816
- Simons, M. *see* Bedair, S.M. 1-53685
- Simons, N.W. *see* Isaksen, L. 1-34787
- Simons, R.E. *see* Nutter, S.W. 1-31889
- Simons, R.F. *see* McWhirter, J.G. 1-52249
- Simons, W. *see* Isaksen, L. 1-43534
- Simonyi, E., Heszberger, A. A wave digital weaver processor employing distributed arithmetic 1-45555
- Simonyi, E.E. *see* Scott, B.A. 1-45104, 1-50317
- Simov, S.B. *see* Kalitzova, M.G. 1-27789
- Simova, P. *see* Tsonev, L. 1-28436
- Simovic, J. The financing of the expanded reproduction in the electric power industry of Croatia in the period of the 1981-1985 Plan 1-30601
- Simpson, D., Eknayan, O. Vertical V-groove junction field effect transistors for power applications 1-46182
- Simpson, G.R. A generalized n-port cascade connection 1-45208
- Simpson, J.D. *see* Hogrefe, R.L. 1-42992
- Simpson, J.R. *see* Walker, K.L. 1-36936
- Simpson, L. Playmaster MOSFET stereo amplifier 1-27297
- Simpson, L. Playmaster MOSFET stereo amplifier. II 1-39933
- Simpson, L. Playmaster MOSFET stereo amplifier. III 1-39935
- Simpson, L., Cohn, G. Cylon voice 1-42459
- Simpson, L. *see* Holland, R. 1-37325
- Simpson, N. The HR-200 and HR-100 1-42434
- Simpson, P.A. System for measuring the characteristics of high peak power detectors of pulsed CO<sub>2</sub> radiation 1-30136
- Simpson, P.B., Lindley, D., Hardy, W.E. An assessment of offshore siting of wind turbine generators in the United Kingdom 1-49389
- Simpson, P.S. *see* Thomas, L.D. 1-48986
- Simpson, R.J., Terrell, T.J. Microprocessor-based digital filters 1-50564
- Simpson, R.S. *see* Cruz, J.R. 1-29070
- Simpson, R.S. *see* Rego Cruz, J. 1-29040
- Simpson, W.E. *see* de Munck, H. 1-32449
- Simpson, W.G. Into the digital era—the challenge of the 80s 1-41880
- Sims, M.R., Thomas, H.D., Turner, M.J.L. A high resolution sealed xenon filled position sensitive proportional counter 1-34465
- Sims, W. *see* Makowiecki, D. 1-34500
- Sims, W.B., Smith, A.A. Automated sootblowing cuts air consumption 1-53247
- Sims, W.P. *see* Leipuner, L.B. 1-43259
- Sinadinovski, G. *see* Ristov, M. 1-50911, 1-51249
- Sinchugov, F.I. Fundamentals for calculating power system reliability 1-43479
- Sin'chugov, F.I. Fundamentals of power system reliability 1-43500
- Sinclair, C. Small flat cathode ray tube 1-45874
- Sinclair, C. *see* Richter, B. 1-42876
- Sinclair, C.K., Miller, R.H. A high current, short pulse, RF synchronized electron gun for the Stanford linear accelerator 1-43176
- Sinclair, D. Extended address space for 8-bit microprocessors 1-40028
- Sinclair, D.A. *see* Durr, W. 1-38620
- Sinclair, J.C., Bennett, A.W. Digital design lay-out software with character based graphic I/O 1-40067
- Sinclair, M.W., Tsukamoto, O., Iwasa, Y. Acoustic emission from superconducting magnets and superconductors 1-28401
- Sinclair, M.W. *see* Iwasa, Y. 1-28370
- Sinclair, M.W. *see* Tsukamoto, O. 1-36850
- Sinclair, T.J. *see* Karunathilaka, S.A.G.R. 1-44320
- Sindoris, A. *see* Schaubert, D.H. 1-28998
- Sindoris, A.R., Hayes, S.T. A control array of dielectric filled edge slot antennas 1-51744
- Sindt, H. *see* Behrend, H.-J. 1-43229
- Sinel'nikova, N.Z. *see* Trofimova, N.V. 1-38292
- Sinencio, F. Sanchez *see* Sanchez Sinencio, F.
- Sinev, A.E. *see* Sheftel', I.T. 1-40241
- Singal, C.M. Analytical expressions for the series-resistance-dependent maximum power point and curve factor for solar cells 1-31462
- Singal, R.K. Checking of turbine control system 1-34966
- Singal, R.K. First rolling of turbine generator set. VII 1-53265
- Singayevskiy, I.P. *see* Nikitin, A.I. 1-50462
- Singer, D.H. *see* Krishnakumar, A.S. 1-52797
- Singer, E. The effects of microphones and face-masks on LPC vocoder performance 1-42480
- Singer, E. *see* Bauer, W. 1-32098
- Singer, I. On the perturbation and Lagrangian duality theories of Rockafellar and Kurcysz 1-44959
- Singer, J.R. *see* Libove, J. 1-38281
- Singer, M.L. *see* Doepken, H.C., Jr. 1-43705
- Singer, S. *see* Feldman, J. 1-49361
- Singh, A. Photolithography and electrolithography for fine geometry semiconductor devices 1-27956
- Singh, A. A miniature high-valued resistor 1-32512
- Singh, A. Frequency doubling of SAW filter 1-36747
- Singh, A. Self-aligned molybdenum gate MOS-FETs 1-50939
- Singh, B., Vook, R.W. In situ AES characterization of rotating electrical contacts 1-32460
- Singh, B. *see* Ram Prakash 1-46870
- Singh, B.P., Arockiaswamy, R., Jha, C.S. Variable frequency operation of induction motor with identical characteristics at all frequencies 1-38988
- Singh, C. Optimality conditions in fractional programming 1-35839
- Singh, C. Markov cut-set approach for the reliability evaluation of transmission and distribution systems 1-43634
- Singh, C. A class of mathematical programming problems 1-44960
- Singh, C. *see* Patton, A.D. 1-38694, 1-43541
- Singh, D., Chatterjee, C.K., Rao, E.B. A stabilized X-band MIC Gunn oscillator using a dielectric resonator 1-50625
- Singh, D.N., Rajendra Kumar Punch through and non-punch through thyristors 1-40576
- Singh, H. *see* Billingsley, J. 1-31252
- Singh, H.R. *see* Ahmed, K.U. 1-39869
- Singh, J., Madhukar, A. The origin and nature of silicon band-gap states at the Si/SiO<sub>2</sub> interface 1-40459
- Singh, J. *see* Mukai, H. 1-34780
- Singh, J.P., Srivastava, R.S., Srivastava, R.S. Illumination effect on MOS capacitors operating at different AC signal frequencies 1-28031
- Singh, J.P., Thakur, S.N. Nitrogen laser—a review 1-46680
- Singh, L.P. *see* Nanda, S.P. 1-53058
- Singh, M. *see* Dey, A. 1-39537
- Singh, M. *see* Tikku, M.L. 1-50140
- Singh, N. MVUE of Pr{X<Y} for multivariate normal populations: an application to stress-strength models 1-39456
- Singh, P., Bhojwani, H.R. Electric shock—man made hazard 1-26877
- Singh, P., Rajeshwar, K., Singh, R., DuBow, J. Estimation of series resistance losses and ideal fill factors for photochemical cells 1-49648
- Singh, P., Singh, R., Rajeshwar, K., DuBow, J. Photoelectrochemical behavior of n-GaAs electrodes in ambient temperature molten salt electrolytes: device characterization and loss mechanisms 1-53591
- Singh, P. *see* Weaver, N.L. 1-44377
- Singh, P. *see* Wilhelm, H.E. 1-46983
- Singh, R., Green, M.A., Rajkanan, K. Review of conductor-insulator-semiconductor (CIS) solar cells 1-31460
- Singh, R., Subba Rao, S., Gupta, S.C. Routing in computer communication networks: an approach based on sequential procedures 1-33830
- Singh, R. *see* Ahmad, S. 1-27229
- Singh, R. *see* Ashok, S. 1-45979
- Singh, R. *see* Mahalanabis, A.K. 1-38660, 1-43596
- Singh, R. *see* Singh, P. 1-49648, 1-53591
- Singh, R. *see* Weaver, N.L. 1-44377
- Singh, R.J., Srivastava, R.S. Frequency dependence of the surface states and the N-type Si-SiO<sub>2</sub> interface 1-50842
- Singh, R.K., Sharma, S.D. Composition operators and several complex variables 1-31968
- Singh, R.P. *see* Alonso, J.R. 1-48748
- Singh, R. Pukar *see* Pukar Singh, R.
- Singh, S. Charging characteristics of some powders used in electrostatic coating 1-39233
- Singh, S., Bonner, W.A., Camlibel, I., Grodkiewicz, W.H., Kyle, T.R., Pasteur, G., VanUitert, L.G., Williams, R.S. Borosilicate glass films for InP encapsulation 1-27940
- Singh, S., Panwar, O.S., Srivastava, K.K., Lakshminarayan, K.N. Photoconductivity of amorphous As-Ge-Te films 1-28556
- Singh, S. *see* Arya, N.S. 1-52720
- Singh, S. *see* Behari, J. 1-34616
- Singh, S. *see* Cross, J.A. 1-35983
- Singh, S. *see* Rao, S.C. 1-49017
- Singh, S.K. *see* Chen, C.T. 1-46451
- Singh, S.K. *see* Walker, M.S. 1-31669
- Singh, S.N. *see* Arora, J.D. 1-44369
- Singh, S.N. *see* Jain, G.C. 1-53632
- Singh, S.P., Misra, D.K. A magic T and sliding short technique for measuring the permittivity of modified infinite samples 1-30238
- Singh, T. *see* Freese, F. 1-30014
- Singh, V.K., Nandi, R. Comment on 'lossless inductor simulation: novel configurations using DVCCS' [and reply] 1-45458
- Singh, V.P., Jordan, J.F. Sprayed zinc-cadmium sulfide films for Cu<sub>2</sub>S/Zn<sub>2</sub>Cd<sub>1-x</sub>S heterojunction solar cells 1-39122
- Singh Ashok *see* Ashok Singh
- Singh Balkar *see* Balkar Singh
- Singh Gajral, T. Capital structure of State Electricity Boards in India 1-53011
- Singh Guru Bhag *see* Bhag Singh Guru
- Singh Hajji, H. *see* Srivastava, S.K. 1-35767
- Singhal, K., Pinel, J.F. Statistical design centering and tolerancing using parametric sampling 1-45183
- Singhal, K., Vlach, J. Symbolic circuit analysis 1-50368
- Singhal, K., Vlach, J. Solution of modified systems and applications 1-50369
- Singhal, S.C., Kernick, A. Measurement of electrical conductivity of graphite intercalation compounds by a contactless Wien bridge method 1-42726
- Singhi, N.M. *see* Deza, M. 1-27012
- Singhi, N.M. *see* Naik, R. 1-27023
- Singleton, J.H. *see* Hirayama, C. 1-31642
- Singleton, M.J. Endpoint detection in plasma photoresist stripping: some practical design considerations 1-46048
- Singleton, R.C.C., Marshall, P., Steel, J.G. Axial magnetic flux in synchronous machines: the effect of operating conditions 1-31206
- Singmin, A. Probability distribution functions for sampling schemes 1-50029
- Sinh, A. *see* Polge, R.J. 1-42320
- Sinha, A.K. Optical intersatellite links 1-29672
- Sinha, A.K., Basu, B.N. Dielectric-loaded helical delay line with an inner metallic conductor 1-46974
- Sinha, A.K. *see* Basu, B.N. 1-32557
- Sinha, A.K. *see* Fraser, D.B. 1-46318
- Sinha, A.K. *see* Mathur, M.C. 1-38545
- Sinha, A.P.B. *see* Sankar, S.R. 1-50629
- Sinha, B.K. Stress induced frequency shifts in thickness-mode quartz resonators 1-40764

- Sinha, B.K.**, Kuttly, A.P.G. Comments on 'Thermal transient effects in optically pumped repetitively pulsed lasers' 1—33209
- Sinha, G.L.** *see* Mukherjee, A. 1—30388
- Sinha, N.K.** *see* Abu-El-Magd, M.A. 1—43618
- Sinha, N.P.** *see* Misra, M. 1—27887
- Sinha, S.M.** *see* Kapil, D.V.S. 1—35687
- Sinigaglia, G.** Electric field probe for NIR protection at metric and decametric wavelength 1—38252
- Sinigoj, A.** *see* Zeljeznov, M. 1—30681, 1—36349, 1—49042
- Sinit'skaya, M.P.**, Svirshcheva, E.A. Estimation of the sensitivity of circuit realisations of the biquadratic function 1—36053
- Sinit'syn, A.M.** *see* Grigor'yants, V.V. 1—28657
- Sinit'syn, B.V.** *see* Antipenko, B.M. 1—28694
- Sinit'syn, G.F.** *see* Guseva, L.V. 1—31646
- Sinit'syn, G.V.** *see* Karpushko, F.V. 1—33266
- Sinit'syna, L.A.** *see* Garmun, L.A. 1—30794
- Sinkevich, V.F.** *see* Kerner, B.S. 1—28000
- Sin'kov, V.M.**, Zhereb, A.A., Kozyrskii, V.V., Filippov, N.M. Taking the dynamics of variations in the initial data into account when designing distribution networks 1—30723
- Sinkyavichyus, I.E.** *see* Gerashchenko, O.A. 1—42625
- Sinn, W.** Methods and application of the baseband transmission 1—29469
- Sinnadurai, F.N.** Accelerated ageing of IMPATT diodes 1—36587
- Sinnecker, G.** *see* Sanders, H.-G. 1—35286
- Sintonen, L.**, Uotila, P. Bit-level synchronisation in microprocessor networks 1—33810
- Sinyatynskii, A.A.** *see* Shotov, A.P. 1—37150
- Sinyavskiy, G.P.** Thin diaphragms in waveguides with a complex cross section 1—41284
- Sinyavskiy, G.P.** *see* Lyapun, V.P. 1—28968
- Sinyukov, M.P.** *see* Neizvestnyi, I.G. 1—32688
- Sinz, W.** The design of electron guns including thermal effects 1—50716
- Siocos, C.A.** Broadcasting satellites power black-outs from solar eclipses due to the Moon 1—52914
- Sion, C.** The replacement of toroidal memories by REPROs 1—36182
- Sipos, G.** Audio frequency amplifiers. XLV 1—27320
- Sirajudeen, N.** Fault location in cables 1—43682
- Sircar, P.**, Dat, R. Improved GaAs metal-oxide semiconductor solar cells with a spin-on oxide layer 1—39116
- Sirchenko, V.N.** *see* Zhdanov, K.F. 1—42605
- Sirenko, Yu.K.** *see* Masalov, S.A. 1—41281
- Sirico, J.L.** *see* Andros, F.E. 1—31886
- Siris, R.A.** *see* Emel'yanov, A.V. 1—28520
- Sirisena, H.R.**, Brown, E.P.M. Inclusion of HVDC links in AC power system state estimation 1—30702
- Sirko, L.** *see* Slaby, J. 1—37228
- Sironi, G.G.**, Van Hulse, J.R. Quasi three dimensional eddy current loss calculation in solid magnetic pieces of electrical machines 1—53349
- Sirotkina, E.E.** *see* Kurik, M.V. 1—37016
- Siroto, V.D.** Hall-probe sinusoidal-current stabilizer 1—52448
- Sirotti, P.** Introduction to coherent optical computing 1—29228
- Sirotyuk, O.S.** *see* Dzhelepov, I.B. 1—30286
- Sirsi, R.**, Ferrieu, G., Beierle, J. A versatile integrated electronic line circuit 1—29568
- Sirtl, E.** The Wacker approach to low-cost silicon material technology 1—50313
- Sirtl, E.** *see* Holm, C. 1—39758
- Sirucek, E.** Electric strength of inter-coil insulation of power transformers 1—39019
- Sirutkaitis, V.** *see* Bareika, B. 1—28699, 1—28785, 1—28787
- Sirvent Font, J.M.** Uninterruptible power supply systems. Definitions and present techniques 1—50414
- Sisakyan, E.V.**, Ginzburg, M.I., Grishin, V.P., Milenin, E.S. Absorption of 10.6- $\mu$ m radiation by high-purity germanium 1—36858
- Sisakyan, I.N.** *see* Golub, M.A. 1—41168
- Sisson, W.** Nomogram determines capacitor kilovars for power factor correction 1—38677
- Sistanizadeh, M.K.** *see* Davis, W.A. 1—41267
- Sitar, B.**, Kvetan, K. Improvement of energy resolution of semiconductor detector using multihole collimators 1—30314
- Sitar, I.** Hermetically sealed distribution transformers without conservator 1—44140
- Sitaram, R.V.S.**, Chaturvedi, B.K. Microwave polycrystalline materials: applications, status of development and future needs 1—51084
- Sitaraman, V.** *see* Agashe, P.G. 1—53341
- Sitbon, G.** *see* Dieulesaint, E. 1—34378
- Sitch, J.E.** *see* Badr, A.H. 1—41254
- Sit'ko, S.P.** *see* Kirilenko, E.K. 1—52741
- Sitnik, N.P.** *see* Kotelnikova, A.A. 1—27170
- Sittig, R.** *see* Abbas, C. 1—27988
- Siu, D.**, Turcke, D. Optimal finite element discretization for nonlinear constitutive relations 1—39680
- Siu, P.** *see* Wong, J. 1—28128
- Siu-Kay Chow, Schultheiss, P.M.** Delay estimation using narrow-band processes 1—41654
- Siukola, M.S.** Design considerations and performance of circularly polarized TV antennas 1—33407
- Siunov, N.S.**, Mashkautsan, V.V. On improvement of current commutation by including extra capacitance 1—31245
- Siuzdak, J.**, Werner, G. Influence of intensity fluctuation of radiation on receiving signal phase characteristics 1—47163
- Sivakumar, K.V.** *see* Anil Kumar, K. 1—36133
- Sivaprasad, N.V.** *see* Chetty, P.R.K. 1—32241
- Sivaram, B.M.** *see* Masilamani, V. 1—46707
- Sivazlian, B.D.**, Iyer, S.N. A dyadic age-replacement policy for a periodically inspected equipment item subject to random deterioration 1—26966
- Sivazlian, B.D.** *see* Mahoney, J.F. 1—45021
- Sivets, S.** *see* Achasov, O.V. 1—41053
- Sivo, J.N.** Satellites using the 30/20 GHz band 1—29831
- Sivokobylenko, V.F.**, Kostenko, V.I. Mathematical simulation of deep slotted asynchronous machines 1—44079
- Sivokobylenko, V.F.**, Kostenko, V.I. Mathematical modelling of deep-slot asynchronous machines 1—44085
- Siviyakov, B.K.** *see* Sovetov, N.M. 1—45863
- Six, P.** *see* Maes, H. 1—46324
- Six, P.** *see* Maes, H.E. 1—51020
- Siyu Chen** *see* Chen Siyu
- Sizer, T., II**, Mourou, G., Rice, R.R. Picosecond dye laser pulses using a CW frequency doubled Nd:YAG as the pumping source 1—37090
- Sizov, A.B.** *see* Klepikov, V.B. 1—31550
- Sizov, S.I.** *see* Fedoseev, V.F. 1—50337
- Sizun, H.** *see* Gourvez, P. 1—47537
- Sjostedt, J.**, Stalberg, N. Digital speed control of DC motor 1—49479
- Skabelkin, N.M.** *see* Leont'ev, A.P. 1—30473
- Skachkov, V.S.** Rod-type quadrupole lenses with permanent magnets 1—30298
- Skachkov, V.S.** Adjustment of field in magnetically hard quadrupole lens with poles of implicit form 1—30299
- Skalicky, P.** On the influence of metallic walls on dielectric resonator properties 1—46984
- Skalicky, P.** The coupling coefficient between a dielectric resonator and a microstrip line 1—50611
- Skalicky, P.** *see* Fidler, J. 1—40784
- Skalny, J.** Experimental study of DC corona in air at high temperatures and low pressures 1—27742
- Skalny, J.**, Veis, S., Bebar, F., Dindosova, D. Iodometric determination of ozone concentration in negative corona discharge 1—27741
- Skal'skaya, I.P.** *see* Lebedev, N.N. 1—33311
- Skalsky, P.** *see* Hauser, H. 1—42062
- Skarek, P.** *see* Baribaud, G. 1—42939
- Skarek, P.** *see* Benincasa, G.P. 1—42920
- Skarholt, J.K.** Information for subscribers and customers on data processing systems 1—43503
- Skarnemark, G.** *see* Novik, S.I. 1—48591
- Skarpiak, C.M.** *see* Laxpati, S.R. 1—51749
- Skarstein, O.** Fault identification in distribution networks using the augmented Kalman filtering method 1—49058
- Skarvinko, E.R.** *see* Blakeslee, M.C. 1—27679
- Skatvold, A.R., Jr.** Beam steering antenna control technique 1—47073
- Skaug, R.** Experiments with spread spectrum modulation on radiowaves reflected from the ionosphere 1—33342
- Skeggs, D.B.L.** *see* Brace, J.A. 1—52805
- Skelboe, S.**, Christensen, B. Backward differentiation formulas with extended regions of absolute stability 1—45043
- Skelboe, S.**, Stangerup, P. A general circuit analysis programme for minicomputers 1—36044
- Skelboe, S.** *see* Hajj, I.N. 1—27231
- Skelton, E.F.** *see* Wolf, S.A. 1—46464
- Skelton, R.L.** *see* DeWill, R.G. 1—29569
- Skibenko, V.V.** A TV analyzer for measuring the speed of a biological object 1—29916
- Skidmore, R.** *see* Clifford, P.C. 1—30401
- Skieski, J.** Identification of dynamic parameters of non linear mathematical model of high power induction motor 1—44107
- Skierski, J.** The main auxiliary drive working of the 360 MW power unit while autoreclosing (ATO) is in operation 1—31361
- Skierski, J.** Synchronized co-ordinate systems for analysis of selfstarting high-power induction motors 1—38991
- Skiles, J.J.** *see* Albuyeh, F. 1—38699, 1—43610
- Skilling, J.K.** Signature analysis and test strategy 1—31877
- Skillington, F.** An inexpensive mast for a light-weight beam [amateur radio] 1—47076
- Skilton, L.** The Digitol 2-automatic VTR programme control 1—42438
- Skinner, C.** *see* Chang, G. 1—45918
- Skinner, C.** *see* Teng, T.C. 1—51015
- Skinner, H.B.** *see* Green, M.N. 1—32546
- Skipping, C.R.**, Moore, B.N., Oakes, M.E. Theory of an iterative, two mode transmission network 1—36054
- Skiver, J.** *see* Correia, J.A. 1—34573
- Skjei, S.M.** *see* Ghais, A.F. 1—47615
- Sklyansky, J.**, Sankar, P.V., Katz, M., Towtig, F., Hassner, D., Cohen, A., Root, W.E. Toward computed detection of nodules in chest radiographs 1—48691
- Sklenar, J.** Mathematical models of amplitude modulations 1—37399
- Sklenar, J.** Microcomputer implementation of a codec for the Eire code 1—47133
- Sklyarevich, F.A.** *see* Andronov, A.M. 1—39633
- Sklyarov, V.A.** Minimizing the number of microoperations and logical conditions in a microprogram 1—39564
- Sklyarova, N.A.** *see* Lyubimov, I.S. 1—28250
- Sklyutovskii, V.L.** *see* Zolotovskii, V.S. 1—38093
- Skobelev, V.E.**, Paulig, E. Criterion for evaluating the influence of magnetic circuit dimensioning of DC machines on the commutation under dynamic operational conditions 1—31241
- Skoczylas, J.**, Sikora, J., Wincenciak, S. Finite-element analysis of magnetic flux distribution in DC motor 1—39006
- Skoff, A.** Variable frequency converters: continuous evolutions at fast pace 1—49580
- Skoge, K.** *see* Ahrens, P. 1—29123
- Skoge, K.** *see* Vetter, D. 1—37475
- Skogman, R.A.** *see* Kawanishi, H. 1—51464
- Skolnick, M.S.**, Cullis, A.G., Webber, H.C. Defect photoluminescence from pulsed-laser-annealed ion-implanted Si 1—36455
- Skolnick, M.S.**, Dean, P.J. Time-resolved pulsed DC electroluminescence studies in ZnS:Mn, Cu-powder phosphors 1—28569
- Skolnick, M.S.** *see* Alder, C.J. 1—41021
- Skoog, C.-G.** Roll force measurements based on the S-sensor technique 1—48242
- Skopin, I.A.** *see* Eliseev, P.G. 1—28729
- Skopin, I.A.** *see* Vasil'ev, Yu.A. 1—28583
- Skopyuk, M.I.**, Shevchenko, V.A. Using game methods to eliminate overlapping pulses in gamma spectrometry 1—30375
- Skorbun, S.D.** *see* Zverev, A.G. 1—28692
- Skorik, L.A.** Analysis of recordings of an earthquake in the region of the Chirkei hydroelectric project 1—31084
- Skorka, S.** *see* Daniel, H. 1—42899
- Skorka, S.J.** *see* Munzer, H. 1—42845
- Skorkowski, J.** *see* Cain, G.D. 1—51843
- Skorniyakov, L.G.**, Gavrilov, F.F., Kitaev, G.A. Transient conduction processes due to changes in the voltage applied to chemically deposited cadmium sulfide films 1—32648
- Skorokhvatov, A.S.** *see* Mironov, L.G. 1—30394
- Skorpik, J.R.** *see* Hutton, P.H. 1—52872
- Skoryukin, V.E.** *see* Boiko, M.E. 1—32691
- Skothem, T.** A tandem photovoltaic cell using a thin-film polymer electrolyte 1—39115
- Skowronski, J.** *see* Lechowski, Z. 1—40735
- Skrebneva, S.V.** *see* Badikov, V.V. 1—28423
- Skribanowitz, G.** Low frequency push pull output stages and the effect of their emitter resistances 1—32209
- Skribanowitz, G.** Power output stages with operational amplifiers 1—39952
- Skipka, N.J.** *see* Kovalenko, L.N. 1—37536
- Skipkin, V.A.** *see* Dolginov, L.M. 1—41089
- Skipnik, G.A.** *see* Kotelnikova, A.A. 1—27170
- Skipnik, I.Yu.** *see* Nizhenskii, A.D. 1—45576
- Sklac, W.** *see* Fill, E.E. 1—37063
- Skromme, B.J.** *see* Zinkiewicz, L.M. 1—50333
- Skrzypczak, C.** *see* Falconer, W.E. 1—52036
- Skrzypczak, J.-M.** *see* Letoquart, B. 1—42353
- Skubic, P.** *see* Mueller, J.J. 1—34441
- Skuchas, I.Yu.** *see* Bredikis, Yu.Yu. 1—30466
- Skudera, W.** *see* Klose, D.R. 1—47230
- Skuja, A.** The status of CHER 1—42786
- Skuja, A.** *see* Conetti, S. 1—42877
- Skunca, I.** Analysis of efficacy of telecommunication system maintenance method 1—41865
- Skurat, V.V.**, Sharovarov, G.A. Dynamics of start-up conditions of APS with a fast reactor and a dissociating coolant 1—30913
- Skurnick, E.** *see* Khoshnevisan, M. 1—33097
- Skurnik, E.** *see* Engler, G. 1—52661
- Skurnik, E.** *see* Shmid, M. 1—48548
- Skursky, M.** *see* Tvaruzkova, J. 1—49011
- Skvaril, J.** *see* Chernenko, S.P. 1—52725
- Skvortsov, I.N.** *see* Ismailov, T.K. 1—42623
- Slaby, J.**, Sirko, L. Essential features of the bleached silver halide holographic materials 1—37228
- Slack, L.L.**, Witsmeier, A.J. Boeing shaped scan correlator (BOSSCO) 1—48801
- Slack, L.L.** *see* Pond, C.R. 1—28545
- Slack, M.** *see* Ludwig, C.B. 1—42552
- Slade, P.G.**, Lin, C.Y., Peblar, A.R. Titanium-tungsten carbide/silver: a new electric contact material 1—32464
- Sladek, J.**, Struska, J. The statistical stability of the Preisach representation [magnetic recording model] 1—46418
- Sladen, F.M.E.** *see* Gordon, K.S. 1—28500
- Sladen, F.M.E.** *see* Kapron, F.P. 1—29767
- Sladkova, V.A.** *see* Kasherininov, P.G. 1—33115
- Sladky, K.** Bounds on discrete dynamic programming recursions I. Models with non-negative matrices 1—27038
- Slamecka, E.**, Blahous, L. Problem of synthetic circuit-breaker testing with voltage injection 1—35270

- Slamecka, E. *see* Ruhnau, W. 1-31378  
 Slamecka, E.J. High power testing 1-35295  
 Slamecka, E.J. *see* Ruhnau, W. 1-35302  
 Slamenik, F. *see* Vavrouch, D. 1-33298  
 Slana, M.F. A family of high-level software development systems for microprocessors and mini-computers 1-42109  
 Slana, M.F., Lehman, H.R. Data communication using the telecommunication network 1-37737  
 Slater, J.M. Tapered-wiggler free-electron laser optimization 1-51313  
 Slater, J.M. *see* Neilsen, I.R. 1-43322  
 Slater, P.J. On k-sequential and other numbered graphs 1-35809  
 Slater, P.N., Wagner, R.F. (editor) Image Analysis Techniques and Applications. Technical Digest (papers in summary form only received) 1-44598  
 Slater, R.D. *see* Lock, K. 1-49459  
 Slatkine, M. *see* Bigio, I.J. 1-51366  
 Slatter, P.J. Medians of arbitrary graphs 1-39585  
 Slattery, G.F., O'Riordan, P., Lambert, M.E., Green, S.M. An integrated electron and optical metallographic procedure for the identification of precipitate phases in type 316 stainless steel 1-45134  
 Slattery, P. *see* Jonckheere, A. 1-30300  
 Slaus, I. *see* Treado, P.A. 1-38416  
 Slavik, I. Transistorised AC drives 1-35409  
 Slavik, I. Determining the location of partial discharges in transformers 1-39018  
 Slavik, I. The MINIPULS pulse convertor 1-39043  
 Slavik, I. Electronics in air conditioning equipment of raid vehicles 1-39219  
 Slavik, I. Characteristics of the alternating curves 1-51564  
 Slavik, I., Dudik, V., Rydzi, R. Contactless thyristor reversal of current [application in electroplating] 1-31312  
 Slayback, J.R.B., Story, M.S. Chemical analysis problems yield to quadrupole MS/MS 1-52744  
 Slayman, C.W., Figueroa, L. Demonstration of a microwave bandwidth surface photoconductor 1-37041  
 Slayman, C.W., Figueroa, L. Frequency and pulse response of a novel high speed interdigital surface photoconductor (IDPC) 1-38200  
 Slayman, C.W., Gustafson, T.K. Metal-barrier-metal junctions for room temperature millimeter-wave mixing and detection 1-45684  
 Slayman, C.W., Lang, K. Performance characteristics of the LASL gigahertz bandwidth analog fiber-optic link 1-37930  
 Slayman, C.W. *see* Figueroa, L. 1-48083, 1-51480  
 Sleaford, B. *see* Lum, G.K. 1-34464  
 Sleat, W.E. *see* Bradley, D.J. 1-37112  
 Sleat, W.E. *see* Holbrook, M.B. 1-28735  
 Sledge, R.L. *see* Dickey, F.M. 1-46596  
 Sledkov, V.A. A fast method of synthesis of stepped, multisegment transmission lines 1-33377  
 Slegler, K.J., Dietrich, H.B., Bark, M.L., Swiggard, E.M. Low noise ion-implanted InP FETs 1-50934  
 Slemmer, W. *see* Eaton, S.S. 1-32307  
 Slemmon, G.R. A homopolar linear synchronous motor 1-49505  
 Slemmon, G.R. *see* Gumaste, A.V. 1-44406  
 Slepchenko, N.N. *see* Sheiko, P.P. 1-49836  
 Slepian, D. *see* Gaarder, N.T. 1-32007  
 Slepnyan, A.Ya. *see* Slepnyan, G.Ya. 1-51588  
 Slepnyan, G.Ya., Slepnyan, A.Ya. Diffraction of a plane wave by a nonideally conducting comb line 1-51588  
 Slesarev, E.S. *see* Veselov, G.I. 1-41184  
 Slesarevskii, S.O. *see* Korotenko, M.N. 1-38877  
 Slettemoen, G.A. First-order statistics of displayed speckle patterns in electronic speckle pattern interferometry 1-28798  
 Sletten, C.J. Numerical technique for shaping reflecting surfaces to synthesize antenna patterns 1-28988  
 Sletten, C.J. Ray tracing method for doubly curved reflector surfaces 1-37361  
 Sleutjes, J.J. Standardisation of the metal screen of MV cables with synthetic insulation 1-43689  
 Slezinger, Yu.G. *see* Pliskin, Yu.S. 1-52456  
 Sligte, G.H. *see* *de* Sligte, G.H.  
 Sliney, D.H., Moss, C.E., Miller, C.G., Stephens, J.B. Semitransparent curtains for control of optical radiation hazards 1-48755  
 Sliney, D.H. *see* Wolbarsht, M.L. 1-30484  
 Sliski, D.J. *see* Iwasa, Y. 1-28370  
 Slivitskaya, I.A. *see* Buzhinskii, O.I. 1-51373  
 Slivitskii, A.A. *see* Buzhinskii, O.I. 1-51373  
 Slivka, R.A. *see* Borovskikh, L.P. 1-27236  
 Sliwinski, A. *see* Wojciechowska, I. 1-48923  
 Sliwinski, T. *see* Glowacki, A. 1-53436  
 Slizskii, E.P., Lesnik, V.A., Mateenko, Yu.P. Mathematical model of brushless synchronous motor with synchronous exciter 1-38971  
 Sloane, N.J.A. Tables of sphere packings and spherical codes 1-41498  
 Sloane, N.J.A. *see* Conway, J.H. 1-33561  
 Sloane, N.J.A. *see* Leon, J.S. 1-37412  
 Slobodnik, A.J., Jr., Silva, J.H., Roberts, G.A. SAW filters at 1 GHz fabricated by direct step on the wafer 1-28202  
 Slobodnik, V. Frequency dependence of inhomogeneous line input impedance 1-50606  
 Slobodrian, R.J. New techniques for the production of polarized  $^3\text{He}$  ions 1-43147  
 Slobodrian, R.J. New method for the production of polarized  $^3\text{He}$  ions based on the  $2^3\text{S}_1$  state of  $^3\text{He}$  1-48544  
 Slobodyanik, V.P. *see* Bataev, V.M. 1-52242  
 Slobodyanyuk, A.V. *see* Myagchenko, Yu.A. 1-28788  
 Slobodyanyuk, V.S. *see* Mechev, V.S. 1-44535  
 Slominski, L. On statistically efficient algorithms for combinatorial optimization problems 1-44978  
 Slominski, W.R. Maintenance of explosion-proof electrical plant 1-26876  
 Slonczewski, J.C. *see* Jantz, W. 1-32968  
 Slonim, M.A., Biringier, P.B. Steady-state processes in cycloconverters. I. High-frequency cycloconverters (cycloinverters) 1-35247  
 Slonim, M.A., Biringier, P.B. Steady-state processes in cycloconverters. II. Low-frequency cycloconverters 1-35248  
 Slowik, J.H. New technique for resolving charge injection across metal-semiconductor interfaces 1-32696  
 Slowik, J.H. *see* Freeman, E.C. 1-50822  
 Sluchak, I.I. *see* Vaganov, V.I. 1-48065  
 Sluchanko, E.I. *see* Antonov, B.M. 1-31314  
 Sluiter, E.R., Rowaan, C.J., Nijboer, J.A., Jorritsma, F.F., Blom, J.A., Beneken, J.E.W. Peak-to-peak detector for the arterial pulsations in the plethysmogram. II. Results of its use during anaesthesia 1-34564  
 Sluiter, E.R. *see* Jorritsma, F.F. 1-34563  
 Slusark, W., Jr. *see* Dornan, B. 1-27325  
 Slutsky, L.S. *see* Zargaryan, I.V. 1-43751  
 Slutsky, J. *see* Taylor, B.E. 1-44698  
 Sluyt, T. *see* Kroes, F.B. 1-42968  
 Sluyters, Th. *see* Alessi, J. 1-43177  
 Sluzhneva, R.M. *see* Gubkin, E.S. 1-52713  
 Slyusarev, S.G. *see* Boitsov, V.F. 1-41121  
 Slyusarevskii, V.V. *see* Sheiko, P.P. 1-49836  
 Smaha, D.W., Rowland, C.R. Combine underfrequency and load-shed solutions 1-49162  
 Smajo, M. Control of induction motor rotation speed by varying frequency and voltage supply 1-53085  
 Small, M., Murray, D. A quality model of manufacturing and test processes [electronic equipment production] 1-26963  
 Small, M.B., Ghez, R., Reuter, W., Potemski, R.M. Al diffusivity as a function of growth rate during the formation of (GaAl)As heterojunctions by liquid phase epitaxy 1-39768  
 Small, M.B. *see* Ghez, R. 1-39778  
 Small, M.B. *see* Heiblum, M. 1-36516  
 Small, M.B. *see* Potemski, R.M. 1-40484  
 Small, R.H. *see* Margolis, G. 1-47858  
 Smart, D.L. The Joint European Tour 1-30928  
 Smead, F.W. *see* Botha, D.G. 1-52900  
 Smeds, P.A. Line digraphs and the Moore-Penrose inverse 1-39591  
 Smeers, Y. *see* Louveaux, F. 1-34799  
 Smejkal, J. Statistical properties of the sum of random failures 1-31952  
 Smelcerovic, M. *see* Drndarevic, V. 1-39956  
 Smenisty, K.S. *see* Kryshev, A.P. 1-42499  
 Smerdov, V.Yu. *see* D'yakonov, V.P. 1-36109  
 Smerek, P.L. *see* Kendall, E.J.M. 1-48069  
 Smertenko, P.S. *see* Bagratishvili, G.D. 1-46023  
 Smetannikova, L.V. *see* Bykov, A.P. 1-37350  
 Smid, M.P. The preparation of standards for 'Optical Fibres and Cables' within the International Electrotechnical Commission 1-28509  
 Smid, V. Solar electricity generating stations 1-53314  
 Smidt, W. Electrotechnology in intensive care units 1-38518  
 Smiesko, V. An apparatus for measuring large capacities 1-27630  
 Smikal, F. Induction machine with interrrings 1-49469  
 Smil, V. A new era for China's hydropower 1-43992  
 Smil, V. Energy development in China: the need for a coherent policy 1-53153  
 Smilanski, I. *see* Tenenbaum, J. 1-28634, 1-28635  
 Smilde, J.G. Power feed circuits 1-32183  
 Smilowitz, S. *see* Rawdin, E. 1-52403  
 Smircina, J.R. *see* McElroy, A.J. 1-30848  
 Smirl, A.L. *see* Moss, C.E. 1-50746  
 Smirnskii, M.A. *see* Lyubarskii, V.G. 1-31210  
 Smirnskii, V.B. *see* Akhmedov, D. 1-28731  
 Smirnov, A.A. *see* Baldin, A.M. 1-48569  
 Smirnov, A.I. *see* Kondrat'ev, I.G. 1-51624  
 Smirnov, A.M. *see* Petrenko, A.I. 1-39675  
 Smirnov, A.Ya. *see* Martyakhin, V.A. 1-33114  
 Smirnov, I.V. Dynamics and design parameters of industrial closed-loop pH autostabilisation systems 1-52600  
 Smirnov, L.S. *see* Akhmetov, V.D. 1-27790  
 Smirnov, L.S. *see* Dvurechenskii, A.V. 1-27930, 1-32665  
 Smirnov, R.A. *see* Kuz'min, Yu.G. 1-39960  
 Smirnov, V.A. *see* Maiorov, A.P. 1-37190  
 Smirnov, V.G. *see* Grasyuk, A.Z. 1-51372  
 Smirnov, V.L. *see* Barachevskii, V.A. 1-28519  
 Smirnov, V.L. *see* Bykovskii, Yu.A. 1-36965  
 Smirnov, V.L. *see* Bykovskiy, Yu.A. 1-33058  
 Smirnov, V.P. *see* Vaskina, S.I. 1-50290  
 Smirnov, V.S. Methods for reducing the divergence of lamp-excited rhodamine 6G solution lasers 1-41066  
 Smirnov, V.S. *see* Viroshchekov, G.V. 1-33264  
 Smirnova, T.I. *see* Zibov, E.A. 1-28157  
 Smit, G. Call processing software [electronic switching systems] 1-42078  
 Smit, G.N. *see* Dwyer, T.A.W., III 1-50449  
 Smit, J. Saving energy with controllable electric drives 1-31509  
 Smit, J. A breakthrough in uniform meter cabinets for dwellings 1-39470  
 Smit, W.A. Laser fusion, laser weapons and high power laser research 1-37239  
 Smith, A.A. 100-amp current-limiting fuses fit cutouts 1-53134  
 Smith, A.A. *see* Sims, W.B. 1-53247  
 Smith, A.A., Jr., Wu, C. Shorted aperture for radiation reduction 1-28935  
 Smith, A.A., Jr. *see* Wolbarsht, M.L. 1-30484  
 Smith, A.C., Jr. *see* Schultz, K.R. 1-30944  
 Smith, A.C.H. *see* Brewer, D.F.C. 1-51569  
 Smith, A.D. Computer aided design: mechanical & electronic 1-40300  
 Smith, A.D. *see* Cass, J.R. 1-37800  
 Smith, A.F.M., Makov, U.E. Unsupervised learning for signal versus noise 1-51815  
 Smith, A.G. Simple sound effects 1-52286  
 Smith, A.J. Digital aspects of in circuit test and diagnosis 1-46225  
 Smith, A.M. Feature extraction for laryngeal evaluation 1-38516  
 Smith, A.M. *see* Feller, A. 1-51025  
 Smith, A.M. *see* Lu, D.Z. 1-29142  
 Smith, A.R. Particle accelerators for radiotherapy - a review 1-38522  
 Smith, A.V., Ward, J.F. Doubly resonant four-photon interactions in cesium vapor 1-33274  
 Smith, B.J., Stephen, J., Chivers, D., Fisher, M. Annealing of ion implanted silicon 1-27936  
 Smith, B.R. The representation of variable hydro potential in long-range electricity planning models 1-34796  
 Smith, C., Looney, Q. Load-management activities jump sharply 1-52991  
 Smith, C.A.M. *see* Evans, B.G. 1-41446  
 Smith, C.E. *see* Kafetz, D. 1-45627  
 Smith, C.J. *see* Stewart, R.T. 1-37987  
 Smith, C.V. *see* Sethares, J.C. 1-36831  
 Smith, C.V. *see* Taylor, V.L. 1-36835  
 Smith, C.V., Jr. *see* Brinlee, W.R. 1-46435  
 Smith, C.V., Jr. *see* Carter, R.L. 1-46438  
 Smith, C.V., Jr. *see* Owens, J.M. 1-36829, 1-36834  
 Smith, C.W. Biological measurements with millimetre wave radiation 1-48221  
 Smith, D. *see* Apfel, R. 1-32195  
 Smith, D. *see* Cory, C. 1-34432  
 Smith, D. *see* Jochim, W.J. 1-34314  
 Smith, D.B., Undrill, P.E., Bolton, M.P. Optimising the performance of medical diagnostic displays by microprocessor assistance 1-52756  
 Smith, D.C. *see* Brambley, D.R. 1-32783  
 Smith, D.C. *see* Newman, L.A. 1-33268  
 Smith, D.C. *see* Pepper, R.L. 1-52238  
 Smith, D.G. A general method for the calculation of pipe cable pulling forces 1-30744  
 Smith, D.G. A general method for the calculation of pipe cable pulling forces 1-34880  
 Smith, D.G., Cates, C.E. A capacitive palatometer instrumentation system 1-43295  
 Smith, D.G., Cummings, J.F. Microprocessor based instrumentation for a single beam, transit time laser velocimeter 1-42752  
 Smith, D.G. *see* Kimble, S.O. 1-43294  
 Smith, D.H. *see* Yang, K.W. 1-41025  
 Smith, D.K., Marks, R.J. Closed form bandlimited image extrapolation 1-51852  
 Smith, D.K. *see* Marks, R.J., II. 1-29221  
 Smith, D.L. *see* Baker, C.C. 1-35016  
 Smith, D.L. *see* James, R.B. 1-33110  
 Smith, D.L.H. Switching-up regulator 1-27278  
 Smith, D.P. *see* Boah, J.K. 1-36576  
 Smith, D.P. *see* Freimanis, L. 1-52004  
 Smith, D.P.H., Anderson, J.C. Theory of electrical conduction in particulate systems 1-40325  
 Smith, D.P.H., Anderson, J.C. Electrical conduction in particulate thick films 1-40326  
 Smith, D.R., Whitt, W. Resource sharing for efficiency in traffic systems 1-41838  
 Smith, D.R. *see* Derman, C. 1-26970  
 Smith, D.R. *see* Hooper, R.C. 1-42273  
 Smith, D.R. *see* Stern, T.E. 1-47603  
 Smith, D.S. *see* Riccusi, H.D. 1-27885  
 Smith, D.W. *see* Cameron, K.H. 1-42275  
 Smith, D.W. *see* Malyon, D.J. 1-37159, 1-42276  
 Smith, E.K., Davis, E.W. Wind-induced ions thwart TV reception 1-37306  
 Smith, E.R.Y. Watthour meters to suit the electricity supply industry 1-43809

- Smith, F.A.** Computer-assisted fleet maintenance scheduling system 1-30641
- Smith, F.A.** *see* Sutton, D.G. 1-30415
- Smith, F.C.** Delta beams for 10 & 15 m 1-29013
- Smith, F.J.** Attribute sampling: a Bayesian approach to rejection conditions 1-35660
- Smith, F.T.J.,** Lyu, S.L. Amorphous transparent conductors: The CdO-SnO<sub>2</sub> system 1-40416
- Smith, F.W.** Correlation function for a 1/f spectrum 1-47707
- Smith, G.** *see* Dymnt, J.C. 1-37126
- Smith, G.** *see* Hamer, K. 1-42405
- Smith, G.** *see* Ingrey, S. 1-27195
- Smith, G.A.** A regenerative loading rig for electrical machines laboratories 1-26797
- Smith, G.A.** A current source inverter in the secondary circuit of a wound rotor induction motor provides sub- and supersynchronous operation 1-53434
- Smith, G.C.** *see* Bilvin, P.J. 1-34467
- Smith, G.C.** *see* Gilvin, P.J. 1-48613
- Smith, G.J.** Device for measuring the viscosity of a print fluid 1-30285
- Smith, G.R.** System X: subsystems. VII. The signalling interworking and analogue line terminating subsystems 1-29542
- Smith, G.S.** *see* An, L.N. 1-51722
- Smith, G.W.,** Rice, L.G., III Application of a 14 MeV neutron source to the detection of special nuclear material diversion 1-38540
- Smith, H.,** Constant, T., Crook, K., Fitch, J., Taylor, T. Radiation and electrical safety systems for PEP 1-43386
- Smith, H.I.** *see* Geis, M.W. 1-45087, 1-45092
- Smith, H.J.T.** Numerical procedure for determining the dynamic conductance of an electronic device 1-35896
- Smith, H.R.** Intraperitoneal transmitters in suckling white-footed mice, *Peromyscus leucopus* 1-30027
- Smith, H.S.** Solar power generation by a 220 MW photovoltaic plant 1-53324
- Smith, I.G.** Application of ADINA and ADINAT in the creep analysis of heated concrete structures 1-39656
- Smith, I.K.,** Abubaker, M. The cost of power recovery from waste heat 1-53250
- Smith, I.K.** *see* Musgrave, G. 1-49267
- Smith, I.R.** *see* Creighton, G.K. 1-49433
- Smith, I.W.,** Dorschner, T.A., Holz, M., Statz, H. Quantum noise limits in optical rotation sensors [laser gyros] 1-52887
- Smith, J.D.** *see* Bozoki, E. 1-42918
- Smith, J.D.** *see* Daly, K.J. 1-44408
- Smith, J.G.** *see* Abbasi, S.A. 1-45900
- Smith, J.G.** *see* Hampson, N.A. 1-31406
- Smith, J.G.** *see* Jobling, D.T. 1-52452
- Smith, J.G.** *see* Willars, M.J. 1-44325
- Smith, J.H.** Motor control gear and its use in hazardous locations 1-49641
- Smith, J.H.,** Robinson, D.W. Chemical pumping of pure rotational HF lasers 1-37059
- Smith, J.M.** *see* Bennett, R.S. 1-42335
- Smith, J.** MacGregor *see* MacGregor Smith, J.
- Smith, J.O.,** Allen, J.B. Variable bandwidth adaptive delta modulation 1-47096
- Smith, J.Q.,** Harrison, P.J., Zeeman, E.C. The analysis of some discontinuous decision processes 1-50120
- Smith, J.R.** Excitation control synthesis studies for turbo-generators 1-44072
- Smith, J.R.** Self-induced response analysis of interconnected synchronous-asynchronous machine systems 1-53408
- Smith, J.R.,** Stronach, A.F., Tsao, T., Goodman, K.A. Prediction of dynamic response of induction motor driven marine drives 1-44414
- Smith, J.R.** *see* Lees, P. 1-37257
- Smith, J.R.** *see* Stronach, A.F. 1-53704
- Smith, K.** Low cost programming for low cost ATE [electronic equipment testing] 1-29998
- Smith, K.A.** Temporal averaging [for radar clutter] 1-42307
- Smith, K.C.** *see* Klein, H.R. 1-49985
- Smith, K.F.** Design of stored logic arrays in 1<sup>2</sup>L 1-46288
- Smith, K.L.** *see* O'Clock, G.D., Jr. 1-48272
- Smith, K.** Oldham *see* Oldham Smith, K.
- Smith, L.** *see* Bisognano, J. 1-43009
- Smith, L.** *see* Chattopadhyay, S. 1-42995
- Smith, L.** *see* Lambertson, G. 1-48525
- Smith, L.** *see* Lambertson, G.R. 1-42997
- Smith, L.** *see* Wang, T.-S.F. 1-42999
- Smith, L.D.** *see* Craig, T.P. 1-37034
- Smith, L.J.,** Matthews, N.O. AGARD flight test instrumentation series volume 12 on aircraft flight test data processing. A review of the state of the art 1-30501
- Smith, L.N.** *see* Kroger, H. 1-51105
- Smith, L.R.,** Prazak, P.R. -55 to +200°C 12 bit analog-to-digital converter 1-36314
- Smith, L.R.** *see* Strand, E.M. 1-52785
- Smith, L.R.** *see* Zissermann, D. 1-48732
- Smith, L.W.** *see* Terwilliger, K.M. 1-42787
- Smith, M.** *see* Holmes, J. 1-49296
- Smith, M.** *see* Reginato, L.L. 1-43061
- Smith, M.D.,** Manda, M.L., Britt, E.J. Utilization of low temperature insulators and seals in thermionic converters 1-31481
- Smith, M.E.,** Robinson, K.E., Strong, W.J. Intelligibility and quality of linear predictor and eigenparameter coded speech 1-41537
- Smith, M.F.** Serial interface for the Zilog Z80 1-27430
- Smith, M.F.** A microprocessor-controlled digitizer for conductivity-temperature-depth probes 1-38595
- Smith, M.F.** A microprocessor/V MOS FET stepper motor controller 1-39012
- Smith, M.J.** Microwave vacuum devices 1-32564
- Smith, M.J.** The gyrotron 1-36432
- Smith, M.J.** Mode properties of a strip confocal unstable resonator with saturable gain 1-37173
- Smith, M.J.** *see* McDonald, C.F. 1-35003
- Smith, M.S.,** De Prunelle, G. Crosspolarisation for monopole antennas on limited ground planes 1-51655
- Smith, M.W.,** Farden, D.C. Thinning the impulse response of FIR digital filters 1-36280
- Smith, M.W.** *see* Farden, D.C. 1-37636
- Smith, N.N.** Parker *see* Parker Smith, N.N.
- Smith, O.J.** *see* Ruck, R.C. 1-48895
- Smith, P.** Improvements in single station smoke sensors helps save life 1-39350
- Smith, P.D.** *see* Liesegang, G.W. 1-50727
- Smith, P.G.** *see* Mrstik, A.V. 1-41383
- Smith, P.L.** The use of analysis of covariance to analyse data from designed experiments with missing or mixed-up values 1-44825
- Smith, P.R.,** Auston, D.H., Augusty-Niak, A.M., Johnson, M. Picosecond optical electronic evaluation of solid-state devices 1-51283
- Smith, P.R.,** Auston, D.H., Johnson, A.M. Thin film photoconductor mounting schemes for picosecond optical detectors 1-30131
- Smith, P.R.** *see* Auston, D.H. 1-28586
- Smith, P.R.** *see* Johnson, A.M. 1-33123, 1-46607, 1-46621
- Smith, P.W.,** Tomlinson, W.J. Bistable optical devices promise subpicosecond switching 1-51513
- Smith, P.W.,** Wood, O.R., Maloney, P.J., Adams, C.R. Transversely excited waveguide gas lasers 1-41046
- Smith, P.W.** *see* Bjorkholm, J.E. 1-46791
- Smith, R.** Castle Peak B-a test of project management out East [power generation] 1-43912
- Smith, R.,** Sonnevile, W. Record '81 telco construction set at \$23.5 billion, up 5.6% 1-37696
- Smith, R.** *see* Haas, L.C. 1-51819
- Smith, R.** *see* Makh, S.S. 1-36572
- Smith, R.A.,** Wilhelmsson, H. Theory of generation of coherent radiation by a combination of a free-electron laser and an active molecular medium 1-41041
- Smith, R.C.** *see* Dorey, A.P. 1-26789
- Smith, R.D.** Fast reactor safety 1-38872
- Smith, R.G.** *see* Kim, O.K. 1-51265
- Smith, R.G.** *see* Leas, J.M. 1-40498, 1-46281
- Smith, R.G.** *see* Patton, R.N. 1-34193
- Smith, R.H.** Private institutional funding for design/development consultancy projects 1-39380
- Smith, R.J.,** Rice, R.R., Allen, L.B., Jr. 100 mW laser diode pumped Nd:YAG laser 1-28691
- Smith, R.J.** *see* Abbott, R. 1-45357
- Smith, R.J.** *see* Dees, W.A., Jr. 1-45776
- Smith, R.J.** *see* Gilliland, R.G. 1-53556
- Smith, R.J.** *see* Kokkonen, K. 1-32305
- Smith, R.J.,** II *see* Brady, H.N. 1-45774
- Smith, R.J.,** II *see* Tsui, R.Y. 1-45775
- Smith, R.L.,** Jr., Stratford, R.P. Application considerations in handling effects of SCR generated harmonics in cement plants 1-38744
- Smith, R.P.** *see* Kim, S.H. 1-28371
- Smith, R.S.** *see* Koschel, W.H. 1-45084
- Smith, R.T.** Using a laser beam to substitute good cells for bad 1-45358
- Smith, R.T.** *see* Bindels, J.F.M. 1-32306
- Smith, S.A.,** Oren, S.S. Reliability growth of repairable systems 1-31905
- Smith, S.D.** Optical bistability, towards the all-optical computer 1-28773
- Smith, S.D.,** Farrell, P.G., Dimond, K.R. Bit-slice microprocessors in HF digital communications 1-42013
- Smith, S.D.** *see* Botner, O. 1-34444
- Smith, S.D.** *see* Dennis, R.B. 1-28775
- Smith, S.D.** *see* Gordon, H.A. 1-43224
- Smith, S.D.** *see* Oba, K. 1-32589
- Smith, S.R.** *see* Kapoor, V.J. 1-46163
- Smith, T.I.** *see* Lyneis, C.M. 1-48417
- Smith, T.R.** *see* Strolle, C.H. 1-45875
- Smith, T.W.** The role of polymers in optical recording media 1-34104
- Smith, W.** *see* Manvi, R. 1-31071
- Smith, W.J.** *see* Yacamini, R. 1-35249
- Smith, W.L.** *see* Rohen, J.E. 1-51085
- Smith, W.R.** SAW filters for CPSM spread spectrum communication 1-28215
- Smith, W.R.** Broadband, amplitude and phase-compensating transducers for monolithic converters 1-32934
- Smith, W.R.** *see* Joseph, T.R. 1-38161
- Smith, W.T.** Which way pay TV? 1-34041
- Smith, W.W., Jr.** The care and feeding in of a Texas Instruments speech demonstrator 1-51806
- Smith Head, W.A.** Electronic switches. [flip-flop binary codes] 1-50514
- Smith-Saville, R.J.** Buying design and development: how to assess, select and brief a consultant 1-39377
- Smither, R.K.** *see* Henning, W. 1-42856
- Smithers, B.W.** *see* Bull, D.A. 1-32093
- Smithett, R.G.** *see* Putt, A.C. 1-29288
- Smithgall, D.H.,** Frazee, R.E. Automatic detection and centering of fibers in coatings 1-36916
- Smithgall, D.H.,** Schroeder, C.M. A comparison of techniques to measure the diameter of light-guide fiber 1-28495
- Smithgall, D.H.** *see* Sanchez, J. 1-36914
- Smithrick, J.J.** Effect of positive pulse charge waveforms on cycle life of nickel-zinc cells 1-31412
- Smits, J.G.** *see* Khuri-Yakub, B.T. 1-39820, 1-50319
- Smits, W.H.** *see* Robertson, J.M. 1-33131, 1-33132
- Smode, D.** Extraction of characteristic sizes from speech signals 1-41528
- Smola, J.F.** The Magsat magnetometer boom system 1-34698
- Smolenska, H.** *see* Adamczewski, W. 1-47306
- Smolin, I.M.** *see* Brynski, E.A. 1-35132
- Smolinska, E.** *see* Baykowski, J. 1-28088
- Smolinski, W.J.** Equivalent circuit analysis of power system reactive power and voltage control problems 1-34774
- Smolinsky, G.,** Chang, R.P., Mayer, T.M. Plasma etching of III-V compound semiconductor materials and their oxides 1-32770
- Smolka, J.** ISOKOND-power capacitors with a new impregnant 1-40248
- Smolka, P.** *see* Cermak, J. 1-45086
- Smol'kova, V.S.** *see* Barkovskii, V.I. 1-35347
- Smolinger, G.J.,** Raddi, W.J. Reverse energy transfer through an AC line synchronized pulse width modulated sine-wave inverter 1-44226
- Smolya, A.V.** *see* Grosheva, L.A. 1-32088
- Smolyakov, V.N.** *see* Kolesnikov, N.K. 1-39667
- Smolyar, I.V.** Application of decision tables for the synthesis of an error-correcting algorithm 1-50248
- Smorchkov, V.N.** *see* Zemskov, K.I. 1-38146
- Smorgonskaya, E.A.** *see* Kalmykova, N.P. 1-36490
- Smrikarov, A.S.,** Vassilev, S.Y. Device for determining the tractive force of tractors 1-42590
- Smulders, P.T.** Wind energy for underdeveloped countries 1-49380
- Smykala, J.** Electric double layer capacitors 1-32421
- Smykova, S.V.** *see* Agladze, R.I. 1-32966
- Smyth, R.R.** *see* Saari, D.P. 1-31147
- Smythe, D.** Electronics for in-process gauging 1-38100
- Smythe, D.L.,** Ralston, R.W. An improved SAW time-integrating correlator with CCD readout 1-32930
- Smythe, D.L.,** Ralston, R.W. A surface-acoustic wave/metal-oxide-silicon field-effect transistor memory correlator 1-40767
- Smythe, P.** *see* Brew, J.R. 1-35475
- Snapoval, V.Z.** *see* Dolbilov, A.S. 1-28648
- Snedeker, G.J.** *see* Hartmann, C.R.P. 1-33549
- Snelgrove, W.M.,** Sedra, A.S. State-variable biquads with optimum integrator sensitivities 1-45478
- Snell, A.J.,** Mackenzie, K.D., Spear, W.E., LeComber, P.G., Hughes, A.J. Application of amorphous silicon field effect transistors in addressable liquid crystal display panels 1-34333
- Snell, A.J.,** Spear, W.E., LeComber, P.G. The lifetime of injected carriers in amorphous silicon p-n junctions 1-32677
- Snell, C.,** Vesey, D.G., Mullord, P. The application of a general finite difference method to some boundary value problems 1-39693
- Snigirev, O.V.** *see* Liharev, K.K. 1-33007
- Snoei, H.** Illumination of sports centres in Saudi Arabia made by a Berlin company 1-31657
- Snowden, K.** Crossley-Pielstick selected for Candu nuclear station in South Korea [diesel engines for standby power] 1-43831
- Snowden, T.M.** *see* Filler, R.L. 1-40765
- Snowdon, S.C.** Magnetostatic design of 85 kG superconducting dipoles [for Pentevac] 1-43119
- Snukaev, A.V.** High voltage cable bridge of the type R41270 1-50416
- Snyder, A.** *see* Behrend, H.-J. 1-43229
- Snyder, A.W.** *see* Sammut, R.A. 1-46519
- Snyder, D.E.** *see* Lundgren, R.E. 1-45437
- Snyder, D.L.,** Thomas, J., Jr., Ter-Pogossian, M.M. A mathematical model for positron-emission tomography systems having time-of-flight measurements 1-48680
- Snyder, D.L.** *see* Narayan, P. 1-33431, 1-51874
- Snyder, K.A.** Mounting substrate for bubble memory chips 1-27402
- Snyder, M.D.** *see* Rammerstorfer, F.G. 1-39659

- Snyder, R.V. Stepped-ferrite tunable evanescent filters 1-28252
- Snyman, H.C. see Lutsch, A.G.K. 1-39551
- Soares, C.G., Ehrlich, M. A thermoluminescence dosimetry system for use in a survey of high-energy bremsstrahlung dosimetry 1-38539
- Soares, R.A., de Los Reyes, Guena, J. Design of K-band slug tuners 1-40221
- Soati, P. An interesting receiver-transmitter for emergency calls. Alan K-350 BC CTE International 1-29634
- Soati, P. A simple radio direction finder 1-34019
- Soati, P. Modern electronic lifts 1-35324
- Soballa, R. see Makselson, J. 1-30998
- Sobchakov, L.A. see Gut, R.E. 1-51660
- Sobczak, R. see Badach, A. 1-37822
- Sobek, J.S. see Carr, J.R. 1-48803
- Sobhy, M.I., Hosny, E.A. Microwave filter design in the time domain 1-45219
- Sobhy, M.I. see Fahmy, M.F. 1-45528
- Sobieski, P. see Jaspers, S. 1-46905
- Sobkin, B.L. see Vostroknutov, N.N. 1-52352
- Sobolev, A.G. see Varga, P. 1-51863
- Sobolev, B.V. see Belyaev, V.N. 1-30323
- Sobolev, N.N. see Novgorodov, M.Z. 1-37079
- Sobolev, S.I., Murovannaya, S.G., Vikulina, L.M., Parshin, N.I., Bogolyubov, V.S. Electric furnaces for vacuum heat treatment with accelerated cooling 1-31674
- Sobolev, S.K. see Pak, S.K. 1-37183
- Sobolev, V.G. A method of calculating the dielectric parameters of damp insulation 1-32906
- Sobornov, O.P., Lebedev, I.A. Dependence of light yield of inorganic scintillation detectors on energy of gamma and alpha radiation 1-30318
- Sobotta, H., Riede, V. A black body for the calibration of infrared detectors 1-48036
- Socaci, V. see Iordache, M. 1-36030
- Socha, J.B. see Rees, G.J. 1-40445
- Sochacki, J. see Adamszewski, W. 1-47306
- Socher, I. Broadband coaxial cable simplifies wiring problems 1-47377
- Socino, G. see Alippi, A. 1-32943
- Soda, S. see Kusano, T. 1-49118
- Sode-Shinni Nmadu Rumula Software 'wait' enhances hardware implementation [magnetic tape storage] 1-36286
- Soderman, L. Power transistors in MOSFET: better performance from new geometry 1-32820
- Soderman, L. VHSIC a shot in the arm for the American semiconductor industry 1-32851
- Soderman, L. Quadrafet-input gives better performance 1-36100
- Soderman, L. Larger PROM on the way 1-40022
- Soderman, L. EPROM best for Sweden 1-40025
- Soderman, L. Bubble memories: the technique is changing—application is increasing 1-40830
- Soderman, L. With CCD-techniques: light sensitive TV-cameras and industrial picture processing 1-47795
- Sodermann, L. Increased interest in uncommitted logic arrays 1-27399
- Soderstrand, M.A., Kelley, J.K. Design of a low-cost adaptive FIR filter with sampling rate in excess of 10 MHz 1-50569
- Soderstrand, M.A., Kelley, J.K., Buteau, J.J. A microprocessor based, RNS arithmetic, totally adaptive, digital filter for system identification 1-36274
- Soderstrand, M.A., Vernia, C. An improved RNS digital-to-analog converter [for use in digital signal processing] 1-45591
- Soderstrom, K. see Claesson, G. 1-34492
- Sodha, M.S., Raju, G.V.R., Gupta, B. Potential drops inside MHD generators 1-53691
- Sodhi, K.S. see Hampson, N.A. 1-31406
- Sodini, D., Rigaud, D. A new approach to model DC and AC characteristics of junction gate field effect transistors 1-40609
- Sodomka, L. Triboelectricity and textile stop motions 1-34256
- Soeda, T. see Oe, S. 1-41737
- Soeda, T. see Ohmatsu, S. 1-32144
- Soeda, T. see Omatsu, S. 1-37579
- Soenen, L.J. see Goossens, J.F. 1-53362
- Soenjoto, J. see Goel, A.L. 1-44751
- Soerensen, O.H. see Christiansen, P.L. 1-51103
- Soerensen, O.H. see Dueholm, B. 1-36849
- Soerowirdjo, B. see Ashburn, P. 1-36604
- Sofer, E. see Ben Zaken, M. 1-37541
- Sofield, C.J., Bridwell, L.B., Cowern, N.E.B., Tait, N.R.S., Tolfree, D.W.L. The uniformity of carbon stripper foils 1-52629
- Sofield, C.J. see Hooper, A. 1-44344
- Sofiyansk, V.M. see Vasilev, V.B. 1-45287
- Sofrata, H., Nasser, A., Khoshaim, B., Megahed, R. A computer package for the design and optimization of an absorption air conditioning system operated by solar energy 1-53799
- Soga, H. see Sugai, T. 1-29977
- Sogabe, K. see Kawasaki, Y. 1-38763
- Sogabe, K. see Yoshioka, K. 1-37849
- Sogabe, T., Horiuchi, I. Air source heat pump air conditioning equipment 1-49812
- Sogliero, G. An innovative approach to signal detection for unknown signals 1-37568
- Sogo, T. see Nagai, S. 1-33149
- Sogor, M. Sensing of myographic signals 1-34627
- Sohler, W., Suche, H. Optical parametric oscillation in Ti-diffused LiNbO<sub>3</sub> optical waveguide resonators 1-37219
- Sohma, Y. see Itoh, T. 1-34038
- Sohrabi, M. Electrochemical etching of fast-neutron-induced recoil tracks: The effects of field strength and frequency 1-30362
- Sohrabi, M., Khajepian, E. Some electrochemical etching studies on the registration of alpha particle tracks in polycarbonate 1-48633
- Soi, I.M., Aggarwal, K.K. Computer-communication network reliability: trends and issues 1-33813
- Soi, I.M., Aggarwal, K.K. On trends in automatic testing of analog circuits 1-38098
- Soi, I.M., Aggarwal, K.K. A review of computer-communication network classification schemes 1-41966
- Soifer, V.A. see Golub, M.A. 1-41168
- Solleau, M.J. Mechanisms of laser-induced failure in antireflection-coated LiNbO<sub>3</sub> crystals 1-28759
- Soin, R.S. see Rankin, P.J. 1-45191
- Soininen, A. see Lagus, M. 1-40496
- Soitkar, V.S., Sunnapwar, K.P., Navaneeth, G.N. A solid state pulsed sing-around system for ultrasonic velocity measurements 1-42774
- Soitkar, V.S. see Sunnapwar, K.P. 1-48243
- Sojka, J.J. see Johnson, J.F.E. 1-30333
- Sokal, N.O. Power feedthrough via C<sub>60</sub> in common-emitter class C RF power amplifiers—a commonly believed fallacy 1-32199
- Sokal, N.O. Class E high-efficiency switching-mode tuned power amplifier with only one inductor and one capacitor in load network—approximate analysis 1-50433
- Sokal, N.O. see Domb, M. 1-39895
- Sokal, N.O. see Redl, R. 1-53549
- Sokei, H. see Sakai, H. 1-45868
- Sokol, B.J. Electronic lock boosts low cost and low power 1-45353
- Sokolov, A.V. see Aleksandrov, I.V. 1-28475
- Sokolov, A.V. see Kantor, L.Ya. 1-37884, 1-37885
- Sokolov, L.N. see Egorov, V.V. 1-43881
- Sokolov, L.K. see Melekhin, A.N. 1-35054
- Sokolov, M.M., Grasevich, V.N., Rubtsov, V.P. Problems in improving the drives of electrothermal installations 1-35414
- Sokolov, M.M. see Avenirov, A.K. 1-52709
- Sokolov, N.I. see Andreev, A.Ts. 1-28478
- Sokolov, S.A. see Kanavets, V.I. 1-28871
- Sokolov, S.A. see Muzyka, Z.N. 1-38015
- Sokolov, S.E. On the interaction of harmonics of the flux and field intensity nonlinearities in three-phase ferromagnetic devices 1-53515
- Sokolov, S.N. see Eliseev, P.G. 1-37148
- Sokolov, V., Bennett, R.C. A 4.5 W, 26 dB gain FET power amplifier at 4-5663
- Sokolov, V.B. see Krasnopol'skii, A.E. 1-31333
- Sokolov, V.F. see Potimkov, Yu.S. 1-34942
- Sokolov, V.G. see Zobov, E.A. 1-28157
- Sokolov, V.P. see Kozlov, V.V. 1-48056
- Sokolov, Yu.M. see Anisimov, V.I. 1-39962
- Sokolov, Y.N. see Doverman, G.I. 1-35052
- Sokolova, E.A. see Dubenskii, A.P. 1-33312
- Sokolowa, W.J. see Chriljov, L.S. 1-43836
- Sokolowska, A. see Sokolowski, M. 1-35967
- Sokolowski, M., Sokolowska, A., Rusek, A., Romanowski, Z., Gokiel, B., Gajewska, M. Properties and growth of  $\beta$ -BN (borazon) layers from a pulsed plasma under reduced pressure 1-35967
- Sokolyanskii, G.Kh. see Kostyuk, B.Kh. 1-28557
- Sokut, L.D. see Baranov, B.K. 1-31571
- Solanki, R., Boyer, P.K., Mahan, J.E., Collins, G.J. Laser photodeposition of refractory metals 1-32077
- Solbach, K., Wolff, I. Dielectric image line groove antennas for millimeter waves 1-41309
- Solbach, K., Wolff, I. Slots as new circuit-elements in dielectric image line [microwave ICs] 1-45654
- Solbach, K. see Beyer, A. 1-45626
- Solbakken, K. INTELSTAT: Development of system 1-33949
- Solbakken, K. INMARSAT: Description of system 1-33951
- Solbakken, K. INMARSAT: The Norwegian maritime Earth station on Eik 1-33952
- Soldan, D.L. A comparison of adaptive algorithms used for designing phase compensation filters 1-41744
- Soldan, D.L., Ahmed, N., Stearns, S.D. A comparison of the LMS and SER algorithms 1-36275
- Soldatov, G.E. see Komissarov, O.V. 1-38874
- Soldatov, M.M. see Bushnin, Yu.B. 1-30372
- Sole, J. see Degueurce, L. 1-48474
- Solecky, P., Panko, R.L. Test data verification—not just the final step for test data before release for production testing [for PCB's] 1-45791
- Solecky, P. see Hsu, F. 1-45435
- Solenne, T. see Forestier, B. 1-37061, 1-51338
- Solganik, B.D. see Efremov, Yu.G. 1-36347
- Solheim, R. Electrical distribution—the invisible giant 1-34845
- Soliani, G. see De Biasi, C. 1-33141
- Solie, L.P., Wohlers, M.D. Use of an SAW multiplexer in FMCW radar system 1-37969
- Soliman, A.M. Phase compensation of non-inverting voltage controlled current sources (VCCS) structures 1-27505
- Soliman, A.M. Instrumentation amplifiers with improved bandwidth 1-36111
- Soliman, A.M. Generation, classification and application of inverting amplifier structures 1-45456
- Soliman, A.M. see Atiya, F.S. 1-27515
- Solimeno, S. see Atteio, E. 1-28624
- Solina, P. see Brosio, A. 1-29732
- Solis, F.J., Wets, R.J.-B. Minimization by random search techniques 1-31992
- Solis Camba, A., Fernandez, A., Alonso, J.A. A solar-heated water desalination plant in the Canary Islands 1-53851
- Soliver, C.E. Magnetostatics of anisotropic ellipsoidal bodies 1-37258
- Sollberger, M. Speed-dependent switch in a controlled drive 1-27532
- Sollenberger, N.R. see Leland, K.W. 1-29635
- Sollman, L.C. Roll-your-own automatic test systems 1-38115
- Solmi, S. see Finetti, M. 1-45904, 1-46049
- Solnechnaya, E.V. see Khazanov, A.Sh. 1-37996
- Solnica, W., Lewinska-Romicka, A., Piskorski, S. Device for non-destructive testing of quality and marking faults in nonmagnetic wires 1-26915
- Solnica, W., Lewinska-Romicka, A., Piskorski, S. Some problems of nondestructive testing of quality of chromium steel bars 1-35996
- Solntsev, V.A., Stepanenko, A.V. Determining error in measuring linear velocity of tape materials using optronic sensor 1-52583
- Solntsev, V.A. see Kravchenko, N.P. 1-36438
- Solo de Zaldivar, J. A CMOS process with self-adjusting contacts 1-40716
- Solodikhin, G.M. see Vasil'ev, V.N. 1-48060
- Solodovnik, A.I. see Kalnibolskii, Yu.M. 1-31335
- Solodovnikov, M.A. see Martasfei, V.V. 1-51659
- Solodovnikov, V.A. see Vasil'ev, V.N. 1-48060
- Solodovnikov, V.N. see Gorelik, A.Kh. 1-31034
- Solodukhina, V.A. see Ban'kovskii, N.G. 1-50736
- Sologyan, I.Kh. see Sergeev, D.A. 1-38077
- Soloman, F.J., Helfrich, J.H., Lyon, E.F., Benoit, A.E. The 100 kW photovoltaic power system at Natural Bridges National Monument 1-31109
- Solomatina, V.S. see Komarov, S.A. 1-33284
- Solombrino, L. see Garola, C. 1-39590
- Solomon, E.E. see Reiss, M.H. 1-48070
- Solomon, H. see Zacks, S. 1-44847
- Solomon, J.C., Selvester, R.H. Myocardial assessment of inverse electrocardiography 1-48734
- Solomon, P.M. see Ning, T.H. 1-51000
- Solomon, R.D. Using the word processor as a dynamic new management tool 1-31813
- Solomonides, C., Woollett, J. Establishing the correct protocol forms 1-41967
- Solonenkin, A.A. see Gol'dmann, D. 1-53431
- Soloshchenko, V.A. Effect of finite width of the source on the instrumental function of a  $\beta$  spectrometer for measurement of the neutrino mass 1-38459
- Soloshenkov, P.S. see Aleksandrov, B.M. 1-43257
- Soloukhina, V.N. see Nikitin, A.I. 1-50462
- Soloveichik, I.E. see Vasil'yev, S.N. 1-37700
- Solov'ev, A.K. see Kuleshov, V.N. 1-36150
- Solov'ev, M.Yu. see Drugov, M.I. 1-50465
- Solov'ev, S.M. see Aleksandrov, B.M. 1-43257
- Solov'ev, V.S. see Efimov, G.V. 1-48196
- Solov'eva, E.V. see Bilenko, D.I. 1-42749
- Soloviev, L.D. see Ageyev, A.I. 1-42866
- Soloviev, N.G. Diffraction correlator for tolerance control of dimensions with inverse output characteristic 1-39410
- Soloviov, L.K. see Shnitzer, I.N. 1-35047
- Solow, D. Homeomorphisms of triangulations with applications to computing fixed points 1-27045
- Solstad, R.G. see Borken, R.J. 1-47977
- Soltan, P. see Brindle, J. 1-30208
- Soluch, W. see Lec, R. 1-32949
- Solymar, L. see Syms, R.R.A. 1-51535
- Solymar, L. see Wilson, T. 1-37205
- Solymosi, J. Programmable synthesizer for 145 MHz FM transceivers 1-29646
- Solzer, E. A fuel consumption meter 1-48039
- Som, S.C. see Datta, A.K. 1-37296
- Somasundaram, D. On a theorem of Brudno over non-archimedean fields 1-31962
- Somayajulu, Y.V. see Dabas, R.S. 1-33345
- Somenyushkin, I.N. see Baldin, A.M. 1-48569
- Somerens Greve, H.W. van see van Someren Greve, H.W.
- Somerstein, S. see Phelps, D.A. 1-48414
- Somerville, T. see MacQuigg, D. 1-39998
- Someya, H. see Kasuga, T. 1-48446
- Someyama, T. see Sunahara, Y. 1-41679
- Sominskii, G.G. see Bolotov, V.E. 1-38357
- Somlo, P.I., Hunter, J.D. Condition for reflection coefficient magnitude greater than one for passive transmission line and passive load 1-51636
- Sommer, E.M. see Denard, J.C. 1-42998

- Sommer, E.M.** *see* Le Duff, J. 1-48485, 1-48509
- Sommer, M.** *see* Chehab, R. 1-48508
- Sommer, M.** *see* Thompson, D.J. 1-48292
- Sommer, M.** *see* Tschirnich, J. 1-51340
- Sommerfeld, M.** *see* Ebeling, W. 1-48344
- Sommerud, R.** Digitalisation of telecommunication network and modern network components 1-33893
- Somova, V.M.** *see* Mikheev, M.N. 1-36000
- Somuah, C.B.** On-line computer control of a power system during an emergency 1-38686
- Somuah, C.B.** Economic dispatch reserve allocation 1-38688
- Somuah, C.B., Schweppe, F.C.** On-line computer control of a power system during emergency 1-43537
- Somuah, C.B., Schweppe, F.C.** Economic dispatch reserve allocation 1-43539
- Somuah, C.B.** *see* Burke, A.F. 1-31591
- Somuah, C.B.** *see* Schweppe, F.C. 1-48963
- Son Nguyen Van** *see* Van Son Nguyen
- Soncini, G.** The annealing of ion-implanted silicon solar cells 1-53674
- Soncini, G., Zignani, F.** Investigation on ion implantation as a technique suitable to fabricate high-efficiency silicon solar cells 1-53644
- Soncini, G.** *see* Finetti, M. 1-46049
- Sondak, N.E.** *see* Perry, J.T. 1-39310
- Sondergaard, F.** SAR imagery of sea-ice [radar measurement] 1-30562
- Sone, H., Inoue, H., Takagi, T.** Simplified circuit of a curve tracer 1-38160
- Sone, J., Takayama, T.** K-band high-power GaAs FET amplifiers 1-27616
- Sone, N., Oyama, S., Tsuda, H.** Extended DDX packet-switched network [improved D50 switching system] 1-41968
- Sone, S., Hori, Y.** Microprocessor-based universal thyristor switch and its application to a PWM inverter for traction 1-36382
- Sone, S.** *see* Kawamura, T. 1-39048
- Sone, T.** *see* Ihara, S. 1-38103
- Sone, T.** *see* Kasai, K. 1-27190
- Sone, Y.** *see* Ishikawa, K. 1-34081
- Song Wong Chi** *see* Chi Song Wong
- Song Yang-Sup** *see* Yang-Sup Song
- Song Yop Hahn, Mailfert, A., Rezzoug, A., Boyer, L.** Transient behaviour of superconducting a.c. machine 1-53376
- Song-Bae Park** *see* Gyu-Hyeong Cho 1-35251
- Song-lai Zhu** *see* Zhu Song-lai
- Soni, S.S.** *see* Gandhi, S.N. 1-53569
- Sonin, A.S.** *see* Nesrullaev, A.N. 1-51234, 1-51864
- Sonnemann, R.** Use of energy in the working process—a historical analysis 1-44390
- Sonnenborn, H.-P.** Nuclear power and economic growth 1-49227
- Sonneville, W.** A closer look at videoconferencing 1-47825
- Sonneville, W.** *see* Smith, R. 1-37696
- Sono, K., Yamasaki, T., Kishimoto, T.** Graded-index rod lenses 1-36877
- Sonobe, T.** Errors in on-line harmonic analysis for power systems 1-32009
- Sonoda, K., Tanaka, T., Enomoto, J., Sakata, K., Hirabayashi, S.** High temperature electrical insulation properties of polypropylenelitimide and aromatic polyamide fibres/epoxy resin composites 1-28183
- Sonstad, J.** *see* Westgaard, E. 1-49339
- Sontakke, T.R., Basu, T.K.** Effects of hydro turbine compensators on transient stabilities of power systems 1-34753
- Sontakke, T.R., Basu, T.K.** Improvement in the transient response of a hydrosystem by compensation and stabilising signals 1-53300
- Soo, D.** *see* Bartlett, D.F. 1-52724
- Soo Lee Sang** *see* Sang Soo Lee
- Soo-Chang Pei, Ja-Ling Wu** Fast biased polynomial transforms for two-dimensional convolutions 1-45068
- Sood, A.K.** *see* Kak, S.C. 1-41853
- Sood, A.K.** *see* LoVecchio, P. 1-47971
- Sood, A.K.** *see* Polla, D.L. 1-41016
- Sood, R.K., Panettieri, J.** A new experiment for measuring the flux of high energy iron nuclei in cosmic rays 1-48605
- Sood, S.C.** *see* Robinson, M. 1-42556
- SooHoo, J.** *see* Taur, Y. 1-41008
- SooHoo, K.M.** *see* McCarthy, P.F. 1-31894
- SooHoo, R.F.** Influence of particle interaction on coercivity and squareness of thin film recording media 1-46415
- Soonckindt, L., Bonnet, J., Lassabatiere, L.** Electronic properties of GaSb surfaces cleared under ultrahigh vacuum 1-32654
- Soong, F.K., Narayan, S.S., Peterson, A.M.** On the asymptotic behavior of a complex adaptive line enhancer (CALE) 1-37613
- Sopin, A.I.** *see* Basov, Yu.G. 1-33205
- Sopori, B.L.** A study of photovoltaic loss-mechanisms due to defects and grain boundaries in polycrystalline silicon 1-35370
- Sopori, B.L.** Structural defects in laser crystallized silicon ribbons and their influence on photovoltaic behaviour 1-40994
- Sopper, P.** A high voltage, high power pulsed TWT power supply for space application 1-50429
- Sorbello, R.M.** Multibeam antennas: a key element in high capacity geostationary platforms 1-29020
- Sorben, E.C.** *see* Mangels, R.W. 1-39384
- Sorea, N.** Contributions regarding some calculation methods for the forced oscillations, on overhead electric lines, under the action of wind. [Wind-induced forced oscillations on lines] 1-49131
- Soref, R.A.** Low-cross-talk 2X2 optical switch 1-36982
- Sorensen, D.C.** An example concerning quasi-Newton estimation of a sparse Hessian 1-39631
- Sorensen, D.F.** Overcurrent/undervoltage latching control for switching regulator 1-39904
- Sorensen, G.** Ion implantation and laser annealing 1-50870
- Sorensen, R.** *see* Gavin, B. 1-43184
- Sorenson, D.F.** Power-on detector for switching regulator 1-50410
- Sorgenfrei, J.** *see* Sieber, P. 1-40717
- Sorimachi, Y., Nishihara, H., Yui, Y., Urata, S., Yui, H., Hanaki, S.** Economical Landsat Image Analysis System (ELIAS) 1-38576
- Sorjonen, P.** Extensions of isometric and symmetric linear relations in a Krein space 1-31960
- Sorlei, Zs.** *see* Bakos, J.S. 1-46573
- Sorme, K.** *see* Nilsson, B.A. 1-42051
- Sornberger, E.A.** *see* Feavearyear, J.E. 1-28102
- Sornmo, L., Pahlm, O., Nygards, M.-E., Borjeson, P.O.** A mathematical approach to QRS detection 1-48726
- Soroka, A.M.** *see* Basov, N.G. 1-46696
- Soroka, A.M.** *see* Glotov, E.P. 1-28651
- Soroka, E.Z.** *see* Luneva, Z.P. 1-52258
- Soroker, T.G.** *see* Radin, V.I. 1-31872
- Sorokin, B.P.** *see* Torfimov, A.I. 1-38171
- Sorokovikov, V.N.** *see* Bykovskii, Yu.A. 1-36965
- Sorrentino, G.** *see* Roca, V. 1-38464
- Sorrio, B.** *see* Costa, B. 1-36925
- Sos, V.T.** *see* Simonovits, M. 1-27027
- Soskin, M.** *see* Markov, V. 1-41165
- Soskin, M.S.** *see* Bazhenov, V.Yu. 1-51471
- Sosnovets, E.N.** *see* Gerberg, A.N. 1-48850
- Sosnovski, L.** IV-VI semiconductors as materials for infrared optoelectronics 1-50809
- Sosunov, G.L., Manakov, V.F.** An unattended amplifier station for the B-2-2 system 1-37845
- Sotheran, B.** Chip capacitors for thick film hybrids 1-36364
- Sotnik, N.** *see* Kreutz, E.W. 1-36472
- Sotnikov, I.A.** *see* Ovchar, V.G. 1-31030
- Sotobayashi, T.** *see* Hashimoto, T. 1-48636
- Sotsilenkov, A.A.** *see* Balamatov, N.N. 1-27572
- Sotteau, D.** Decomposition of  $K_{m,n}$  ( $K_{m,n}$ ) into cycles (circuits) of length 2k 1-27001
- Sottovia, P.** *see* Lee, G. 1-30749
- Sottovia, P.** *see* McCourt, J.W. 1-34960
- Souchere, A.C.** *see* Aleksan, R. 1-48582
- Soudack, A.G.** *see* Brauer, F. 1-50098
- Souder, C.W.** *see* Grove, R.C. 1-41700
- Souder, P.A.** *see* Seely, M.L. 1-43165
- Soukas, A.** *see* Brown, H. 1-48364
- Soula, C.** *see* Labetoulle, J. 1-44806
- Soulliard, C., Ward, B.** A new concept in paging encoders [radiopaging] 1-33931
- Soures, J.M.** *see* Bunkenberg, J. 1-51410
- Soures, J.M.** *see* Seka, W. 1-51415
- Souriac, P.** *see* Gumowski, I. 1-27083
- Sourkes, A.M.** *see* Lee, D. 1-34613
- Sousa Pires, J.** *see* de Sousa Pires, J.
- Sousselier, Y.** Radioactive waste: from national programmes to community co-operation 1-43853
- Southard, R.K.** Interconnection system approaches for minimizing data transmission problems 1-33788
- Southard, R.K.** High-speed signal pathways from board to board 1-51635
- Southerton, K.** Factors in the design of mobile radios 1-47549
- Southwell, W.H.** *see* Scott, P.W. 1-37172
- Southwood, W.A.** *see* Thomas, G.S. 1-41312
- Souza, E.** *see* de Souza, E.
- Souza, J.** *see* Moreira de Souza, J.
- Souza, R.F.** *see* Pires, P.S.M. 1-46551
- Souza, R.F.** *see* Waldman, H. 1-29319
- Souza, W.M.** *see* de Souza, W.M.
- Sova, A.V.** *see* Shein, A.G. 1-27760
- Sova, J.** A converter exciter for the 69 E locomotive 1-31313
- Sovero, E.** *see* Khoshnevisan, M. 1-46594
- Sovero, E.A., Khoshnevisan, M.** A generalized method for designing acousto-optic tunable filters 1-33099
- Sovero, E.A.** *see* Khoshnevisan, M. 1-33097
- Sovetov, N.M., Siyakov, B.K., Yakovleva, I.B.** An extension of fundamental results of the non-linear theory of the homogeneous TWT model based on optimum planning of numerical analysis 1-45863
- Soviani, R.** Equipment for the high accuracy measurement of AC voltage, current and power of industrial and audio-frequency 1-30220
- Sovolev, A.G.** *see* Aleksanyan, A.G. 1-50848
- Sowinski, A.** Metrology of semiconductor elements in the eighties 1-36577
- Sowinski, J.** *see* Barker, M.D. 1-43164
- Sowinski, J.** *see* Haeblerli, W. 1-43150
- Soychak, F.J.** *see* Bergeron, R.J. 1-36548
- Spaar, R.** The protection of electric motors 1-49396
- Spaccavento, T.** *see* Brew, J.R. 1-35475
- Spaderna, D.W.** *see* Reese, E.A. 1-32309
- Spadtke, P.** *see* Klabunde, J. 1-48418
- Spajic, R.** *see* Nguyen, L.T. 1-53492
- Spalek, G.** *see* Lawrence, G.P. 1-42870
- Spalthoff, F.-J.** On the role of nuclear power for energy supply in the Federal Republic of Germany 1-43825
- Spandre, G.** *see* Bellazzini, R. 1-30351
- Spang, S.** *see* Lipinski, H. 1-37778
- Spangenberg, T.S., Jr.** Preliminary results of the energy control research project 1-44515
- Spaniol, O.** Analysis and performance evaluation of HYPERchannel access protocols 1-37762
- Spanos, P.-T.D.** Monte Carlo simulations of responses of non-symmetric dynamic system to random excitations 1-39687
- Spare, J.H.** *see* Mukai, H. 1-34780
- Sparks, R.H.** Nickel-cadmium battery technology advancements for geosynchronous orbit spacecraft 1-46636
- Spasojevic, Z.** *see* Tjapkin, D. 1-28032
- Spasov, A.Ya., Nemigenchev, I.N.** Study on frequency-modulated generators with a complex non-linear oscillating circuit 1-36125
- Spassov, V.D., Doushkov, I.I., Filipov, F.I.** Quick-acting photodiode with Schottky transition 1-44636
- Spath, H.** *see* Becker, K.-P. 1-35173
- Spati, H.** VTR-4—a new series of high performance vtrbochargers 1-49306
- Spavieri, G., Cavalleri, G., Spinelli, G.** Impossibility of an acyclic relativistic electric motor 1-31165
- Speake, T.C., Mersereau, R.M.** Evaluation of two-dimensional discrete Fourier transforms via generalized FFT algorithms 1-41766
- Speake, T.C., Mersereau, R.M.** An interpolation technique for periodically sampled two-dimensional signals 1-41767
- Speakman, M.** Powerfeed systems for cranes. II 1-31745
- Speakman, M.** Powerfeed systems for cranes. III 1-44577
- Spear, W.E.** The development of amorphous silicon solar cells 1-53677
- Spear, W.E., Haifa Al-Ani, Le Comber, P.G.** Photoconductivity studies of the mobility edge in amorphous silicon 1-40996
- Spear, W.E.** *see* Snell, A.J. 1-32677, 1-34333
- Specht, P.** *see* Sachs, F. 1-32386
- Speciale, R.A.** Projective matrix transformations in microwave network theory 1-45209
- Speck, D.R., Bliss, E.S., Glaze, J.A., Herris, J.W., Holloway, F.W., Hunt, J.T., Johnson, B.C., Kuizenga, D.J., Ozarski, R.G., Patton, H.G., Rupert, P.R., Suski, G.J., Swift, C.D., Thompson, C.E.** The Shiva laser-fusion facility 1-51409
- Specker, P.** Modularity and parallelism in speech recognition systems 1-37435
- Spector, M.** The  $\kappa$ -closed unbounded filter and supercompact cardinals 1-31972
- Spector, M.** *see* Kaehr, R. 1-48802
- Speed, T.P.** *see* Williams, E.R. 1-44832, 1-44832
- Speelpenning, B.** *see* Hachtel, G.D. 1-50900
- Speer, J.H., Jr.** Microprocessor control of power sharing and solar array peak power tracking for high power (2.5 kW) switching power converters 1-52916
- Speer, W.H.** *see* Duff, M.L. 1-29281
- Speers, E.A.** *see* Kruczynski, L. 1-44386
- Speidel, J.** An automatic decision feedback equalizer with variable optimum step size 1-50574
- Speiser, J.M., Whitehouse, H.J., Bromley, K.** Signal processing applications for systolic arrays 1-37542
- Spejewski, E.H.** An ohmic-heated thermal-ionization source 1-52657
- Spekreijse, H.** *see* Reits, D. 1-34629
- Spektr, A.A., Kushnir, V.I.** Distribution of duration of excursions of a discontinuous Markov process 1-31949
- Spektor, N.A.** *see* Vol'ftein, S.P. 1-41916
- Speller, P.H.** Graphical aides for PCB layout using microcomputers 1-40301
- Spellmeyer, B.** *see* Becchetti, F. 1-38330, 1-48388
- Spellmeyer, B.** *see* Busse, W. 1-43134
- Spelt, J.B.** *see* Bruinsma, P.J.T. 1-42969, 1-43063
- Spelt, J.B.** *see* Kroes, F.B. 1-42968
- Spence, A.** *see* Moore, G. 1-35872
- Spence, G.** Thick film custom designs 1-40324
- Spence, R.** *see* Apperley, M.D. 1-41984
- Spence, R.** *see* Ilumoka, A. 1-45192, 1-45476
- Spencer, C., Adam, E., Gregory, E., Hong, S.O., Koop, D.A., Reverri, G.** Development and fabrication of 12 Tesla Nb<sub>3</sub>Sn superconductors 1-28394

- Spencer, C.R. Color registration in dual-anode penetration color CRT 1-52404
- Spencer, D. R&D status report: Coal Combustion System Division [of EPRI] 1-30977
- Spencer, D. R&D status report. Advanced power systems division. [Dynamic response of a commercial oxygen plant] 1-35020
- Spencer, D. R&D status report. Advanced power systems division 1-35355
- Spencer, D. Advanced Power Systems Division 1-43866
- Spencer, D.J. *see* Herbelin, J.M. 1-28637
- Spencer, G.R. Performance of penetration color CRTs in single-anode and dual-anode configurations 1-40362
- Spencer, G.R. *see* Dallos, A. 1-40361
- Spencer, H.J. An automatic optically isolated, biphasic constant current stimulator adapter for artefact suppression 1-48710
- Spencer, H.J.C., Morgan, I.G. Controlled impedance (CZ) planning of local networks 1-42009
- Spencer, H.J.C., Wilbud, C.E., Symons, B.J. Provision of 30 channel PCM systems using two pre-connectorized 10 pair distribution type cables installed in parallel 1-33918
- Spencer, J. *see* Richter, B. 1-42876
- Spencer, J.E. *see* Brown, K.L. 1-43025
- Spencer, J.E. *see* Lee, M.J. 1-42908
- Spencer, J.W., Jr. Channel driver 1-27270
- Spencer, N. *see* Donald, M.H.R. 1-42924
- Spencer, P.A., Ott, A.H., Hughes, D.G. Data-smoothing digital interface between a high-speed transient recorder and a slow signal averager 1-42564
- Spencer, R.C. Designing double-reheat turbines 1-49271
- Spencer, T. Correlator for angles 1-49780
- Spencer, T. *see* Rao, Y.V. 1-30361
- Spencer, W.A. Overview: rehabilitation, devices, systems, orthotics and prosthetics 1-43382
- Spencer, W.J. A review of programmed insulin delivery systems 1-30468
- Spencer, W.J. Computer education in engineering courses 1-31785
- Spencer, W.J. *see* Carlson, G.A. 1-34641
- Spendal, E. *see* Frantz, R.A.J. 1-49591
- Spenske, E., Heywang, W. Silicon—the material of electronics. 25 years of silicon development at Siemens 1-27791
- Spenske, E., Heywang, W. Twenty five years of semiconductor-grade silicon 1-32618
- Sperber, R. *see* Nalos, E. 1-30677
- Sperduto, M.L. *see* Arona, N. 1-48626
- Sperka, J. *see* Penzkofer, A. 1-41143
- Sperr, P. *see* Wagner, W. 1-43127
- Sperry, R.H., Farden, D.C. A microprogrammed signal processor 1-42584
- Speziale, G. *see* Mineo, N. 1-30791
- Spicer, J. *see* Kang, S.D. 1-27472
- Spidchenko, V.K., Bulygina, T.I., Sergeev, V.V. Calculation of variations in magnetization and return permeability of SmCo<sub>5</sub> magnets 1-32980
- Spiegel, J. Ver Der *see* Ver Der Spiegel, J.
- Spiegel, M.G. Prototyping: an approach to information and communication system design 1-33834
- Spiegel, P. *see* Heltzig, M. 1-27502
- Spiegelberg, J. *see* Dietrich, M. 1-53510
- Spielman, B.E. *see* Willing, H.A. 1-45596
- Spielvogel, L.G. How to use rates when saving energy 1-48938
- Spies, R. *see* Komiya, S. 1-45913
- Spiesmacher, N. *see* Brunkhorst, J. 1-48138
- Spigarelli, D.J. Vapor phase fusion eliminates fluxing and post-cleaning of printed wiring boards 1-27706
- Spijker, M.N. *see* Hundsdoerfer, W.H. 1-32032
- Spillantini, P. *see* Baldini-celio, R. 1-27355
- Spillett, R.E. *see* Devlin, W.J. 1-51454
- Spillett, R.E. *see* Stevenson, A.G. 1-37104
- Spillmann, T. *see* Dillier, N. 1-38521
- Spina, J.F. *see* Weiner, D.D. 1-35587
- Spindler, H. Electrostatic discharges in model tests 1-28832
- Spinelli, G. *see* Spavieri, G. 1-31165
- Spinetti, M. *see* Basile, M. 1-43250, 1-43251
- Spingler, H., Voss, E. Square-frame DC machines in a torque range from 25 to 235 Nm 1-44120
- Spinhirne, J.M., Anafi, D., Freeman, R.H., Garcia, H.R. Intracavity adaptive optics. I. Astigmatism correction performance 1-28739
- Spinhirne, J.M. *see* Anafi, D. 1-41112
- Spinka, M. *see* Koudelka, V. 1-35345
- Spiralski, L. Measurement of semiconductor device noises 1-30249
- Spires, D.A., Vera, A.J. Automatic balance networks for voice frequency applications 1-47468
- Spires, D.A. *see* Auli, D.W. 1-33873, 1-52001
- Spiro, I. *see* Asenov, S. 1-30387
- Spitsyn, A.I. *see* Mende, F.F. 1-37352
- Spitsyn, B.V., Bouilov, L.L., Derjaguin, B.V. Vapor growth of diamond on diamond and other surfaces 1-39773
- Spittel, M., Spittel, T. Investigation into the deformation properties of silver terminals produced from metallic powder 1-27164
- Spittel, T. *see* Spittel, M. 1-27164
- Spitz, S.L. After subtractive semi and fully additive processes [PCB fabrication] 1-36402
- Spivak, C.W. *see* Zemel, J.N. 1-52433
- Spivak, G.V., Aleksenko, A.G., Rau, E.I., Filipov, M.N., Karelin, N.M. Scanning electron microscopy of electrical inhomogeneities in semiconductors 1-32680
- Spizzichino, F. *see* Clarotti, C.A. 1-44864
- Spizzichino, F. *see* Runggaldier, W.J. 1-44814
- Spoerlein, R.E. *see* Fessenden, T.J. 1-48557
- Spohnheimer, J.V. *see* O'Toole, J.E. 1-32292
- Spohr, R. Heavy ion nuclear tracks—an emerging technology 1-38444
- Sponagle, N.C. *see* Atherton, D.L. 1-28365
- Spong, F.W. *see* Bell, A.E. 1-42426
- Sponsler, W.L. *see* McGranaghan, M.F. 1-34866, 1-38750
- Sporck, C.R. *see* Belani, J.G. 1-46269
- Sporn, A. *see* Kobe, M. 1-35663
- Spott, S. International regulations for characteristic values of measuring instruments 1-47868
- Spracklen, C. *see* Jones, T.B. 1-48867
- Sprague, R.A., Turner, W.D. High-resolution multispectral linear focal plane using an area image sensor 1-47974
- Sprangle, P., Cha-Mei Tang Laser beam wave electron accelerator 1-48398
- Sprangle, P., Vomvoridis, J.L., Manheimer, W.M. A classical electron cyclotron quasioptical maser 1-28605
- Sprangle, P., Vomvoridis, J.L., Manheimer, W.M. Theory of the quasioptical cyclotron maser 1-41035
- Sprangle, P. *see* Cha-Mei Tang 1-51317
- Sprangle, P. *see* Gover, A. 1-37048, 1-41039
- Spreen, J.H., Argyle, B.E. Magnetic domain wall waves, parametrically excited in a stripe domain lattice in a garnet film 1-40786
- Spreen, J.H. *see* Palmucci, C.J. 1-50409
- Sprekels, J. *see* Jongen, H.T. 1-50101
- Spriggs, R.S. *see* Carlson, D.J. 1-47980
- Springate, S.R. An equipment practice concept for telecommunications 1-26899
- Springer, E. *see* Rupp, G. 1-51114
- Spronsen, C.J. *see* van Spronsen, C.J.
- Sproule, D.E., Mellor, F. Routing, flow, and congestion control in the Datapac network 1-33800
- Sprouse, G.D. *see* Ben-Zvi, I. 1-48428
- Sprouse, G.D. *see* Brennan, J.M. 1-42947
- Spurss, K.H. *see* von Essen, R. 1-52787
- Spuller, J. *see* Hargrove, C.K. 1-43237
- Spur, G., Kraft, H.-R. Image processing with associative characteristic comparison and digital image recording. II 1-29229
- Spurny, F. *see* Luck, H.-B. 1-30363
- Spurrier, J.D., Weier, D.R. Bivariate survival model derived from a Weibull distribution 1-39457
- Spycher, U. The significance of electrotechnical standards for medium voltage apparatus 1-39349
- Squarci, P. *see* D'Amore, F. 1-34708
- Squillante, M.R. *see* Entine, G. 1-34452
- Srb, M. *see* Kalousek, J. 1-41945
- Srb, N. *see* Car, S. 1-49444
- Sreedhar Murthy, Y., Murali, S., Bhimasankaram, V.L.S. A simple dynamic method for the evaluation of the piezoelectric activity of rock samples 1-52938
- Sreenivas, T.V., Rao, P.V.S. Functional demarcation of pitch 1-47154
- Sreenivasiah, I., Chang, D.C., Ma, M.T. Emission characteristics of electrically small radiating sources from tests inside a TEM cell 1-46958
- Sridhar, N., Sen, T.K., Srivastava, G.P. Control of modal amplitudes in overmoded waveguides 1-47005
- Sridhar, T., Hayes, J.P. Self-testing bit-sliced microcomputers 1-32302
- Sridhara Rao, G. *see* Venkato Rao, P. 1-44109
- Srikrishna, K., Ramaraj, N. New analytical method to optimize generation schedule 1-38669
- Srikrishna, K., Ramaraj, N. New graphical method for optimum power generation 1-38670
- Srinath, M.D. *see* Ponnusamy, J.A. 1-29209, 1-41826, 1-47115
- Srini, V.P. A reconfigurable packet switcher for interconnecting processors 1-41852
- Srinivasa Chakravarty, H.S. *see* Ananthapadmanabha, T.V. 1-41529
- Srinivasan, G. *see* Prakash, Om. 1-28234
- Srinivasan, K., Nguyen, C.T., Robichaud, Y., St. Jacques, A., Rogers, G.J. Load response coefficients monitoring system: theory and field experience 1-48956
- Srinivasan, P.S., Velayudhan, C. A solid-state tachometer for three-phase slip-ring induction motors 1-52505
- Srinivasan, P.S., Velayudhan, C., Charlu, P.K. A solid state resistance controller for 3-phase slip-ring induction motor 1-35168
- Srinivasan, R. *see* Govind, S. 1-52351
- Srinivasan, S. Fuel cells for electric utility and transportation applications 1-53608
- Srinivasan, S. *see* Russel, P.G. 1-35349
- Srinivasan, S. *see* Sethi, V.S. 1-29982
- Srinivasan, T. *see* Egger, H. 1-46672
- Srinivasan, V., Er, M.H., Er, J.P. Pulse width modulated computer generated holograms 1-51533
- Srinivasan, V.S. Locating the faulty unit of a two unit series connected system 1-39440
- Srinivasan, V.S. The active Kalman tracking sonar for estimation of target range, velocity and its course 1-52166
- Sriraghavan, S.M., Pradhan, B.D., Revankar, G.N. Three-phase pulse-amplitude and width-modulated inverter system 1-35250
- Sriraghavan, S.M., Pradhan, B.D., Revankar, G.N. A novel method of generating three-phase stepped-voltage waveforms 1-45311
- Sriram, K., Varshney, P.K., Shanthikumar, J.G. Modeling and analysis of an integrated voice-data multiplexer 1-33899
- Srivastava, A.P. *see* Kulshrestha, Y.K. 1-37002
- Srivastava, C.M. Magnetic materials and their applications 1-51075
- Srivastava, G.P. Influence of deep levels on Schottky barrier formation 1-27866
- Srivastava, G.P. *see* Montgomery, V. 1-27861
- Srivastava, G.P. *see* Sridhar, N. 1-47005
- Srivastava, G.P. *see* Srivastava, S. 1-49693
- Srivastava, J. (editor) Combinatorial Mathematics, Optimal Designs and their Applications, a Symposium 1-27007
- Srivastava, J.N., Ghosh, S. Enumeration and representation of nonisomorphic bipartite graphs 1-27028
- Srivastava, K.D. *see* Anis, H. 1-46347, 1-51041
- Srivastava, K.D. *see* Ford, G.L. 1-53571
- Srivastava, K.D. *see* Mazurek, B. 1-32526
- Srivastava, K.K. *see* Singh, S. 1-28556
- Srivastava, O.N. *see* Tiwari, B.K. 1-40402
- Srivastava, R.S. *see* Sen, K. 1-44380
- Srivastava, R.S. *see* Singh, J.P. 1-28031, 1-28031
- Srivastava, R.S. *see* Singh, R.J. 1-50842
- Srivastava, S., Swami, N.K., Srivastava, G.P. Response of Schottky barrier solar cells at higher temperatures 1-49693
- Srivastava, S.K., Singh Jhaji, H. A class of estimators of the population mean in survey sampling using auxiliary information 1-35767
- Sroka, J. *see* Sikora, J. 1-53782
- Sruogys, Yu.-L.S. *see* Zhenaitis, T.Z. 1-36061
- St-Jean, G., Castonguay, J., Landry, M., Pugh, D.R., St-Onge, H. Comparative performance of paraffinic and naphthenic insulating oils under arc-quenching conditions 1-35323
- St-Jean, G., Latour, Y. A validated high voltage arrester model for transient network analyzer applications 1-53140
- St-Jean, G., Latour, Y., Roy, M., Ostiguy, J.F. Experimental determination of the durability of HV arresters 1-38820
- St-Onge, H. *see* St-Jean, G. 1-35323
- Staa, R. *see* van Staa, R.
- Staals, R. Logic analysers. I 1-30184
- Staals, R. Logic analysers. II 1-34326
- Staas, G.C. New display station offers multiple screen windows and dual data communications ports 1-38127
- Staath, J.C. *see* De Vecchis, M. 1-37918
- Staber, E. *see* Metzger, R.M. 1-37804
- Stabile, P. *see* Caulton, M. 1-46107
- Stabnikov, M.V. *see* Kalimov, A.G. 1-48628
- Stabrowski, M. *see* Sikora, J. 1-53371
- Stacey, W.F. High burnout NIP/Schottky diodes 1-46109
- Stach, M. *see* Bauer, W. 1-52265
- Stachmann, A. *see* Rahman, M. 1-52695
- Stachurski, A. Superlinear convergence of Broyden's bounded  $\theta$ -class of methods 1-27044
- Stack, D.W. *see* Worrell, R.B. 1-39441
- Staderni, R. *see* Christoloveanu, S. 1-30111
- Stadie, K.B. Sharing safety experience in OECD countries 1-43847
- Stadje, W. The determination of mixing measures for some families of distributions 1-35734
- Stadje, W. Some problems of observing and extrapolating Poisson processes 1-44840
- Stadlin, A.H. *see* Allebach, J.P. 1-47254
- Stadnick, S.J. Nickel hydrogen battery for a spacecraft power subsystem 1-31430
- Stadnicki, W. *see* Gotszalk, R. 1-38221
- Stadnik, I.P. *see* Milyukov, V.V. 1-46826
- Stadnik, V.T., Lushchaev, G.A., Fandeev, Ye.I. Investigation of thermal conducting plate parameters and exploitation condition effects on the metrological characteristics of surface thermal converters 1-38306
- Stadtherr, K.O. The office of the future. Media mix and multi-function terminals 1-29275
- Stadtherr, K.O. Communications and security at the International Congress Centre, Berlin 1-37691
- Staebler, D.L. Interference fringe analysis of a-Si:H Schottky barrier cells 1-49672
- Staebler, H. *see* De Staebler, H.
- Staelin, D.H. Passive microwave techniques for geophysical sensing of the Earth from satellites 1-48836
- Staelin, D.H. *see* Lang, J.H. 1-29017
- Staerke, D. *see* de Staerke, D.

- Staes, K., Hayen, L. Image quality transfer through film and television 1-34071
- Staewen, W.S. Present status of requirements for isolated power systems 1-43392
- Stafeev, V.I. *see* Batalina, M.A. 1-36593
- Stafeev, V.I. *see* Vasil'ev, Yu.A. 1-28583
- Stafford, J.R. *see* Tabaddor, F. 1-39718
- Stafford, J.W. Chip carriers—their application and future direction 1-44714
- Stafford, K.A., DeWispelare, A.R. Electric vehicle energy use simulation model 1-44450
- Stafford, R.H. Digital television. Bandwidth reduction and communication aspects 1-26804
- Staff, M. *see* Hamata, V. 1-36368, 1-49448
- Stafsudd, O.M. *see* Basol, B.M. 1-32655, 1-44353
- Stafsudd, O.M., Jr. *see* Yu, J.G. 1-39757
- Stagg, D.J. *see* White, L.J. 1-42036
- Stagg, J.P., Boudry, M.R. Sodium passivation in Al-SiO<sub>2</sub>-Si structures containing chlorine 1-36531
- Stagg, L.J. GEC contribution to viewdata 1-41935
- Stagg, R.J. *see* Wharf, J.H. 1-48827
- Stagno, V. *see* Boscolo, I. 1-48309
- Stahab, I. Programmed maintenance of HV circuit breakers 1-39077
- Stahl, H. *see* Eissfeldt, E. 1-41918
- Stahl, H.J., Valdes, O. The model for a fault symmetrical binary channel based on error frequency measurement in a real channel 1-51765
- Stahl, K.J. *see* Abbott, T.D. 1-38169
- Stahl, R. *see* Pollman, K. 1-36165
- Stahl, U. *see* Schaffer, G. 1-48935
- Stahl, W.L., Jr. *see* Cases, M. 1-27542
- Stahl, W.L., Jr. *see* Kraft, W.R. 1-27413, 1-28109, 1-36198, 1-45393
- Stahler, J. *see* Moller, G. 1-52691
- Stahlie, T. *see* Elen, J.D. 1-32991
- Stahn, H. *see* Petersohn, U. 1-49942
- Staiger, D. Circuit arrangement for serially processing arbitrarily asynchronously occurring request signals 1-27544
- Stailley, J.E. Some uses of infrared (IR) sensors in meteorology 1-48857
- Stainer, F.W., Dworak, H.P. Training in satellite ground-system operations 1-34681
- Stakelon, T.S., Schweizer, R.C. Optimizing the performance of LED wavelength multiplexed systems 1-37939
- Stakelton, T.S. *see* Tomlinson, W.J. 1-36930
- Stalberg, N. *see* Sjøstedt, J. 1-49479
- Staley, P.A. *see* Murray, G.G. 1-41696
- Stalioraitis, K.K. *see* Janaviciene, N.J. 1-36582
- Stalker, K.T., Kelly, J.G. Coded aperture imaging system for nuclear fuel motion detection 1-30933
- Stall, D.S. *see* Mangold, H. 1-33575
- Stall, R. *see* Eastman, L.F. 1-50792
- Stall, R. *see* Stringfellow, G.B. 1-27115
- Stall, R. *see* Woodward, D.W. 1-50789
- Stallaert, J. 380 kV Belgian network: past, present and future developments 1-30697
- Stalony-Dobrzanski, J. *see* Shah, N.M. 1-52859
- Stamberger, A. Anti-interference screening and wiring layout practice for electronic equipment 1-27643
- Stamberger, A. Developments in power semiconductors 1-28007
- Stamberger, A. The computer technique in electro-medical applications 1-30489
- Stamberger, A. The development and planning of competitive industrial products 1-44640
- Stamberger, A. The use of new LSI and VLSI technologies in communication techniques 1-46187
- Stamenkovic, B.B. The realization of grounded active RC multiport networks with a minimum number of capacitors 1-27501
- Stamenkovic, B.B. On the least upper bound on the number of grounded VCVSs required for the realization of grounded active RC multiport networks with a minimum number of capacitors 1-45473
- Stamm, G.L. *see* May, T.H. 1-52395
- Stamm, W. *see* Rahman, M. 1-52695
- Stamon, G. *see* Zavidoviche, B. 1-27222
- Stamou, G. Characterizations of the sphere by the mean II-curvature 1-31964
- Stamps, S.J. Trip petrol meter 1-44455
- Stancampiano, C.V. *see* Mourou, G. 1-36341
- Stanchak, C.M., Morkoc, H., Witkowski, L.C., Drummond, T.J. Automatic shutter controller for molecular beam epitaxy 1-35956
- Stanchev, P.S. *see* Bondrachek, G.I. 1-32480
- Stancheva, R. *see* Zlatev, M. 1-49494
- Stancil, D.D., Morgenthaler, F.R. The effects of nonuniform in-plane fields on the propagation characteristics of magnetostatic surface waves 1-37358
- Stanciu, G.A., Popescu, I.M., Stoichita, C.M. Localization of diffusion pipes using a laser scanning digital system 1-32808
- Stanciu, G.A., Popescu, I.M., Stoichita, C.M. Characteristics of the laser scanning digital system 1-51545
- Stanciu, I., Cazacu, St., Necsoiu, T. Special optical systems used in laser apparatus 1-37189
- Stancliff, R. Balanced dual gate GaAs FET frequency doublers 1-45668
- Stanco, J. *see* Vedenev, A.A. 1-33172
- Stancu-Minasian, I.M. A survey of methods used for solving the linear fractional programming problems with several objective functions 1-44961
- Stanczak, W. *see* Polowczyk, W. 1-49628
- Standlee, A.G. *see* Harrington, J.A. 1-46549
- Standley, C.L. *see* Logan, J.S. 1-27962, 1-27963
- Stanforth, E. The use of ATE to provide data for QA and reliability prediction and confirmation 1-36667
- Stang, L.G. Environmental, health, and safety aspects of photovoltaics 1-53655
- Stange, G. A new type of pulsed air-core multipoles of simple construction 1-43079
- Stange, H.W. *see* Hassner, A. 1-36025
- Stangerup, P., Laursen, A., Birch, P.K., Petersen, J. Computer-aided prediction and optimization of climatic conditions inside compact MV/LV sub-stations 1-49631
- Stangerup, P. *see* Skelboe, S. 1-36044
- Stanivukovic, D., Zelenovic, D. The allocation of the availability of technical systems 1-44742
- Stanley, C.R. *see* Park, R.M. 1-35961, 1-50772
- Stanley, C.R. *see* Sullivan, P.W. 1-50296
- Stanley, H.E. *see* Gawinski, E.T. 1-44866
- Stanley, H.R. *see* Brown, G.S. 1-38594
- Stanley, I.W. Monomode optical fibre technology in telecom systems 1-29743
- Stanley, I.W. Errors in life prediction due to temperature inaccuracies [semiconductor devices] 1-36579
- Stanley, M. Automated frequency-response analysis in dynamic systems 1-38087
- Stanley, M. Automatic frequency analysis 1-42650
- Stanley, R.P. Decompositions of rational convex polytopes 1-27029
- Stanomir, D. A general theory of moving plate linear transducers 1-34265
- Stanomir, D. Variational analysis of nonlinear electrical networks. II. RLC networks 1-36058
- Stanomir, D., Csapo, Gh. Resonance phenomena in lossy magnetostrictive transducers. I. Resonance frequencies 1-40823
- Stanton, D.P. *see* Campbell, P. 1-35421, 1-39001
- Stanton, G.B., Jr. Health and safety challenges: the engineering manager's response 1-44633
- Stanton, R.E., Tretiak, O.J. Dose reduction in CT through variable exposure scanning: computer simulation 1-34593
- Stanton, R.H. *see* Dennison, E.W. 1-38206
- Stanton, S.E. *see* Fouad, A.A. 1-43557, 1-43558, 1-53021
- Stapfer, G., Lockwood, A. Advanced thermoelectric material development at JPL 1-31477
- Stapinski, T.E., Rodgers, A.W., Ellis, M.J. A two-dimensional photon counting array 1-38202
- Staples, E. *see* Wise, J. 1-36768
- Staples, E.J. *see* Lao, B.Y. 1-46375
- Staples, E.J. *see* Motamedi, M.E. 1-32956
- Staples, E.J. *see* Neurgaonkar, R.R. 1-32946
- Staples, E.J. *see* Schoenwald, J.S. 1-36767
- Staples, J. *see* Gavin, B. 1-43184
- Staples, J. *see* Lambertson, G. 1-48525
- Staples, J. *see* Lambertson, G.R. 1-42997
- Staples, J.W., Lancaster, H.D., Yourd, R.B. The LBL Wideroe-based heavy ion injector project 1-48425
- Stapleton, R.E. Development of an 1100°F capacitor 1-36367
- Stapleton, R.J., Wright, A.G. The development of photocathodes for photomultipliers 1-32593
- Star, J.A. *see* Vander *see* Vander Star, J.A.
- Starchik, L.P., Gorlov, Yu.I., Komova, E.N., Gilyazov, F.A. Ash-measuring device RKT-1 in a flame-proof installation 1-53856
- Starczyk, K., Zelenski, A. The effect of the average value of steam parameters on a power unit fuel consumption 1-49273
- Starikov, A.D. *see* Alekseev, V.N. 1-28764
- Starikov, V.S., Bagautinov, G.A. Capacitance compensation of dredger electric network voltage below 1000 V 1-49082
- Stark, G., Saunders, M., Lieb, D. Thermionic converter output as a function of collector temperature 1-31483
- Stark, H., Cahana, D., Webb, H. Restoration of arbitrary finite-energy optical objects from limited spatial and spectral information 1-41804
- Stark, H., Sarna, C.S. Pattern recognition of waveforms using modern spectral estimation techniques and its application to earthquake/explosion data 1-38579
- Stark, H., Woods, J.W. Polar sampling theorems and their application to computer-aided tomography 1-29184
- Stark, H., Woods, J.W., Paul, I., Hingorani, R. Direct Fourier reconstruction in computer tomography 1-33686
- Stark, H. *see* Cahana, D. 1-51853
- Stark, H. *see* O'Toole, R.K. 1-47255
- Stark, M. Two bits per cell ROM 1-27463
- Stark, M.T. Matched array processing for wide-band passive sonar 1-37975
- Stark, M.T. *see* Vural, A.M. 1-33411
- Stark, R.M. *see* Ellner, P.M. 1-31998
- Stark, W.E., Sarwate, D.V. Kronecker sequences for spread-spectrum communication 1-29047
- Starke, C.W., Mucha, J. Self-test of sequential circuits with the aid of random sequences 1-40055
- Starke, L. Compensation and its significance in the measuring technique 1-29956
- Starke, L. Safety regulations for electronic measuring equipment 1-35604
- Starke, M. *see* Zachau, H. 1-34248
- Starkermann, K. *see* Angehrn, R. 1-38918
- Starkey, R.J., Jr. The renaissance in submarine communications. IV. The ELF odyssey, continued 1-52069
- Starkovich, V.S., Bird, P.F., Dallman, J.C., Strong, R.D. Ultrasonic liquid film thickness measurements 1-30266
- Starks, S.A., Vanstrum, M.D. An algorithm for optimal linear distance-preserving mappings 1-33696
- Starks, S.A. *see* Machuzak, R.J. 1-42314
- Starks, S.A. *see* Phillips, C.L. 1-43409
- Starks, S.A. *see* Tatum, M.C. 1-42319
- Starkweather, G.K. High-speed laser printing systems 1-53848
- Starodubtsev, A.I. *see* Babichev, A.P. 1-51380
- Starosel'skii, V.I. *see* Kravchenko, L.N. 1-32887
- Starosel'skii, V.I. The shaping of high-power short pulses by means of a Gunn diode 1-40003
- Starosel'skii, V.I. *see* Brche, M.A. 1-40534
- Starostin, I.A., Vakarov, B.S. Relaxation of the photocurrent in inhomogeneous CdSe single crystals in pulsed electric fields 1-37011
- Starostin, N.I. *see* Bazarov, E.N. 1-51374
- Starr, B.G., van Loon, J.C.F. LSI circuit for AC motor speed control 1-31385
- Starshinov, N.N. *see* Babin, V.V. 1-31332
- Start, M. Testing aircraft power supply systems 1-38562
- Startsev, A.V. *see* Kruglenko, V.P. 1-28671
- Startsev, A.V. *see* Logunov, O.A. 1-28672
- Startseva, I.E. *see* Shulika, V.V. 1-40778
- Startseva, L.V. *see* Gorbunov, V.I. 1-36016
- Starzyk, J. *see* Centkowski, G. 1-27224
- Stasch, W. *see* Gallenberger, H. 1-30869
- Staselko, D.I. *see* Andreev, R.B. 1-41164
- Staselko, D.I. *see* Dukhovnyi, A.M. 1-41163
- Stasevich, R.K., Litvinenko, A.A. Economic utilization of electrical energy consumed during ventilation of mines and pits 1-31687
- Stasha, R.Ya. Dynamic response of a differential sampling-gate converter 1-40169
- Stasha, R.Ya. Noise in a differential sampling-gate converter 1-40170
- Stasiak, J.W. *see* Guernsey, R.W. 1-26935
- Stasiowski, H.E. *see* Abeles, B. 1-49670
- Stassinopoulos, E.G. *see* Danchenko, V. 1-28107
- Stasyuk, V.P., Yatsynina, N.L. Analysis of the method for reproducing and transmitting the relative permittivity unit in the range 0.2-1 GHz 1-30240
- Stasyuk, V.V. Self-balancing device for processing eddy-current transducer signals 1-48055
- Staszak, Z., Gulczynski, J. Investigation of thermal states of power semiconductor devices 1-27977
- Staten, J. *see* Raphael, H. 1-36154
- Stattel, P. *see* Frankel, R. 1-42804
- Statyukha, G.A., Bondar', A.G., Bugayeva, L.N. An algorithm for decision making in a problem with many target function 1-39630
- Statz, H. *see* Adlerstein, M.G. 1-40541
- Statz, H. *see* Smith, I.W. 1-52887
- Stauber, H. *see* Alther, G.R. 1-38921
- Staub, A. *see* Deiters, K. 1-30336
- Staudinger, W. Standardization versus innovation? [telecommunication] 1-29373
- Staudinger, W. Benefits from microprocessor application: viewpoint of a telecommunication administration [text and data communication equipment] 1-29578
- Staudte, D.M. *see* Bryant, F.J. 1-40455
- Stauss, W. *see* Bobeck, A.H. 1-46450
- Stavola, M. *see* Mourou, G. 1-28587
- Stavrinidis, C. Spacecraft structural analysis activities at ESTEC 1-52830
- Stavrovskii, D.B. *see* Basov, N.G. 1-51375
- Stax, H. Pusher furnaces for heat treatment with electric or gas heating systems 1-44483
- Stearns, J.W. *see* Schneider, P.J. 1-38396
- Stearns, R.C., Hoskins, R.H. Optically pumped far infrared lasers 1-28642
- Stearns, R.D. *see* Chartier, V.L. 1-34841
- Stearns, S.D. Tests of coherence unbiasing methods 1-29163
- Stearns, S.D. Error surfaces of recursive adaptive filters 1-37506
- Stearns, S.D., Vortman, L.J. Seismic event detection using adaptive predictors 1-43433
- Stearns, S.D. *see* Eitter, D.M. 1-41669
- Stearns, S.D. *see* Soldan, D.L. 1-36275
- Steckel, R.-D., Fertig, K. Joint boxes for transition from paper-insulated to plastic-insulated medium voltage cables. comparison of constructions with and without 'mass reserve' 1-49148

- Stecki, A. *see* Wroblewska, S. 1-43782
- Stecki, A.J., McDonald, J.F., Gutmann, R.J. VLSI design automation and interactive modeling for electron beam lithography 1-40728
- Stecki, A.J. *see* Tam, K.Y. 1-38201
- Stecki, A.J. *see* Zetterlund, B. 1-50922
- Stedman, D. *see* Arseneault, P.J. 1-26906
- Steeger, G.H. A new reliability test for the correlation analysis of cortical evoked responses using a 'maximum-likelihood detector' 1-38515
- Steel, B., Irwin, J. Piecewise linear analog temperature compensation scheme utilizing a highly interactive electrically programmable read-only memory [for crystal oscillators] 1-27530
- Steel, J.G. *see* Singleton, R.C.C. 1-31206
- Steel, J.R. Determinateness and the separation property 1-31973
- Steele, B.C.H. *see* Shemilt, J.M. 1-39112
- Steele, B.C.H. *see* Murphy, D.W. (editor) 1-44328
- Steele, D.G. *see* Guzman, A.M. 1-40791
- Steele, D.J., McFarlane, I. Process measurement in the food industry. II 1-30282
- Steele, J.B. *see* Adams, R.D. 1-50691
- Steele, P.P. *see* LeFree, M.-T. 1-34597
- Steele, R., Jayant, N.S. Statistical block protection coding for DPCM-AQF speech 1-29115
- Steele, R. *see* Evci, C.C. 1-41532
- Steele, R. *see* Haskell, B.G. 1-51845
- Steele, R. *see* Ngan, K.N. 1-29231
- Steele, R. *see* Patrick, P.J. 1-33745, 1-41585
- Steele, R. *see* Wong, W.C. 1-52248
- Steele, S.G. *see* Hamilton, C.B. 1-36294
- Steele, T.S. Terminal and cooling requirements for LSI packages 1-44712
- Steeleman, J.W.M. *see* van Cooten, P. 1-43911
- Steen, L. *see* van den Steen, L.
- Steen, L. *see* van den Steen, L.
- Steen, P.G. *see* Katz, I. 1-48775
- Steenaaert, W., Dubois, D. A low-pass-bandpass transform for arithmetical symmetry in digital filters 1-36260
- Steenaaert, W. *see* Monkewich, O. 1-45553
- Steenbergen, A. *see* van Steenbergen, A.
- Steedam, S.P. *see* Janssens, R.V.F. 1-52736
- Steensma, W. The Netherlands Radio Medical Service for navigation 1-33935
- Steeple, K. *see* Saunders, I.J. 1-27820
- Steer, B. *see* Fraser, G.W. 1-30343
- Steer, M.B., Khan, P.J. Wideband equivalent circuits for radial transmission lines 1-28950
- Steer, R.W. *see* Stephenson, F.W. 1-40156
- Steer, R.W., Jr., Stephenson, F.W. Zero location techniques for the removal of amplitude skew in narrow-band-transformed bandpass characteristics 1-32323
- Steeves, M.M. *see* Hoenig, M.O. 1-28382
- Stefanescu, F. *see* Felea, S. 1-30842
- Stefani, E.P., Gritskov, V.I. The present state and outlook for development of thermal process automatic control systems for thermal and nuclear power stations 1-35058
- Stefanini, A. *see* Amendolia, S.R. 1-43238
- Stefanko, S. Properties of squirrel cage induction motors supplied from semiconductor frequency converters 1-49400
- Stefanov, P.S., Chernokozheva, L.K., Dimov, V.V. Magnetic disc memories—current state and prospects 1-46404
- Stefanov, P.S., Dotcheva, V.I., Butchvarov, G.N., Marinova, E.L., Todorinov, E.V. Production of thin Permalloy layers of low coercive force 1-45112
- Stefanov, R.R. *see* Stoyanov, V.E. 1-28576
- Stefanov, S.R. *see* Racher, I.B. 1-52752
- Stefanovic, V.R. *see* Olivier, G. 1-49562
- Steffen, C. *see* Kobelt, C. 1-34039
- Steffen, C. *see* Schwarz, E. 1-34040
- Steffen, F. Sound reinforcement system of the Rostock Sports and Congress Hall 1-47847
- Steffen, K. Chromatically corrected mini beta interaction region with longitudinal electron spin 1-48504
- Steffen, K. *see* Degele, D. 1-43142
- Steffen, K. *see* Rossbach, J. 1-42785
- Steffen, P., Schussler, H.W., Mohringer, P. On optimum anti-aliasing filters 1-36233
- Steffens, E. Polarized heavy ion beams at tandem accelerators 1-43194
- Steffens, E. *see* Egelhof, P. 1-43163
- Steffy, D. *see* Rounds, E.M. 1-47957
- Stefik, M. *see* Blank, T. 1-46268
- Stegeman, G.L. *see* Vella, P.J. 1-37207
- Stegmann, K. Telecommunication line technology. I 1-29277
- Stegmann, K. *see* Wartmann, H. 1-29341
- Stegmuller, B. *see* Amann, M.-C. 1-33216
- Steidley, J. *see* Hoffer, P.B. 1-34614
- Steiger, F., Handschin, E., Voss, J. Management decision simulation for electrical utilities 1-30632
- Steiglitz, K. Design of FIR digital phase networks 1-32350
- Steiglitz, K. *see* Cappello, P.R. 1-37587
- Steil, E. *see* Bleicher, W. 1-48743
- Steimer, F. Branch tables [coding technique] 1-51773
- Steimer, F. Error correction with a Hamming code 1-51774
- Stein, E. Small-series fabrication of hybrid circuits for high requirements 1-36417
- Stein, G. *see* Munch, E. 1-43827
- Stein, G. *see* Patermann, C. 1-30870
- Stein, J.D. *see* Purser, K.H. 1-48666
- Stein, K.-U. Present status and trends in MOS power devices 1-28039
- Stein, M., Diaconu, S. Some specific aspects of the power equipment reserve analysis carried by means of the statistical and probability method 1-43485
- Stein, M., Diaconu, S. Modelling of the operational reliability of schemes, with a passive equipment reserve 1-49075
- Stein, M. *see* Le Quang Khue 1-38678
- Stein, P. *see* Ehrlich, R. 1-34428
- Stein, P.D. *see* Sabbah, H.N. 1-43282
- Stein, R.A. Design of recursive digital filters with continuously-variable passbands 1-45548
- Stein, S. Algorithms for ambiguity function processing 1-41670
- Stein, W. *see* Eberle, G. 1-35435
- Stein, W.E., Brau, C.A., Newman, B.E., Warren, R.W., Winston, J.G. LASL free electron laser experiments 1-37047
- Stein, W.E. *see* Hohla, K.L. 1-46673
- Stein, Yu.G. *see* Didenko, A.N. 1-46664
- Steinbach, C. *see* Boillot, J. 1-42937
- Steinbach, Ch. *see* Cappi, R. 1-43076
- Steinbach, Ch.P. *see* Cappi, R. 1-48463
- Steinbach, H.L. *see* Draheim, P. 1-40056
- Steinbauer, E. The search for optimal solutions in the power industry—yesterday, today and for tomorrow 1-38671
- Steinbeiss, E. *see* Ufert, K.D. 1-27834
- Steinberg, B., Luthra, A. Asymmetries in the diffraction pattern of an asymmetrical aperture 1-47014
- Steinberg, B.D. High angular microwave resolution from distorted arrays 1-29031
- Steinberg, D., Rodeh, M. A layout for the shuffle-exchange network with  $\Theta(N^2/\log N)$  area 1-36034
- Steinemer, N. *see* Battiwala, F. 1-35267
- Steinemer, N. *see* Kruska, M. 1-35284
- Steiner, E. *see* Besset, D. 1-42776
- Steiner, E. *see* Olivo, M. 1-48390
- Steiner, H. *see* Behrend, H.-J. 1-43229
- Steiner, J. *see* Burtcher, H. 1-38830
- Steiner, M. *see* Daniel, H.-U. 1-32720
- Steiner, R.G. Advanced computer methods for distribution load forecasting 1-43622
- Steiner, R.G. Distribution research—the last frontier 1-43675
- Steiner, R.L., Flora, A.P., Deaver, B.S., Jr., Cukauskas, E.J. Microwave properties of thin film NbN SQUIDS with granular weak links 1-28341
- Steines, L.W. *see* Wythe, S.E. 1-47292
- Steinfelder, K. *see* Schiller, S. 1-32082
- Steinfels, M., Ecklebe, P. The regulation of direct inverter-feed drives 1-31502
- Steinfels, M. *see* Ecklebe, P. 1-49722
- Steinhagen, H. Controller for the display of process data on the type ANA visual display unit 1-34239
- Steinhauer, L.C. *see* Willenberg, H.J. 1-30943
- Steinhaus, L. The repeater fork in consideration of the winding resistances 1-47509
- Steinhaus, L. Properties of some resistor lattice networks 1-50542
- Steinhoff, M.F. *see* Tsukamoto, O. 1-36850
- Steinhorn, J. *see* Salamoff, S.B. 1-47639
- Steinle, B. *see* Schwarzenbach, H.U. 1-40756
- Steinmetz, A., Versteeg, W. Discharge phenomena on closure of reed contacts 1-32477
- Steinmetz, D.L. *see* Guilfoyle, P.S. 1-51239
- Steinmetz, J.H. Flexible circuit packaging of a crystal oscillator 1-36730
- Steinmetz, M.J. *see* Martin, W.J. 1-36105
- Steinruck, K.P. Datex-P, a new data network of the Federal German Post Office in block-transmission technique 1-29468
- Steinweg, M. *see* Nestler, J. 1-26931
- Steirgerwald, R.L., Hopkins, D.C. Characteristic input harmonics of DC-DC converters and their effect on input filter design 1-32377
- Steklov, V.Yu. *see* Kartsev, V.P. 1-44416
- Steklova, I.P. *see* Klimovich, S.U. 1-27426
- Stella, A. *see* Nalesso, G.F. 1-28838
- Stellema, L. Very high performance audio power amplifier 1-38042
- Steller, G. *see* Berndt, G. 1-44418
- Stelte, D.J. *see* Cornell, R.G. 1-29364
- Stelzer, G. Electronic chargers with diagnosis ability for lead batteries of any size 1-49579
- Stelzer, H. Some recent developments in nuclear charged particle detectors 1-30335
- Stember, L.H. Reliability considerations in the design of solar photovoltaic power systems 1-44381
- Stemberger, K. What is a local area computer network? 1-51966
- Stemerdink, J.A. *see* Kerkhoff, H.G. 1-27462
- Stemp, I.J. *see* Nicholas, K.H. 1-32857
- Stenby, G. *see* Wanderer, P. 1-43097
- Stenger, F. Numerical methods based on Whitaker cardinal, or sinc functions 1-35885
- Stengl, G. *see* Derndorfer, C. 1-52680
- Stengl, G. *see* Reiter, W.L. 1-30379
- Stenholm, S.T. Single-particle theory of the free-electron laser in a moving frame 1-51303
- Stenqvist, G., Gahm, J. Aerial cables instead of overhead lines 1-34846
- Stensby, S. Teleconference systems: stability and sound volume 1-33749
- Stensgaard, R., Korsbjerg, T. An automated beam-scanner system 1-43128
- Stensland, L., Borak, G. Raman time-domain reflectometry [in optical fibres] 1-40935
- Stensland, L. *see* Thyllen, L. 1-36963, 1-42583
- Stenson, K. Fail-safe mechanical braking for AC motors 1-44033
- Stepanchuk, K.F. A linear model of failure and the analysis of short-term strength as a measure of insulation aging 1-32890
- Stepanchuk, V.I. *see* Grigor'yants, V.V. 1-33057
- Stepanenko, A.V. *see* Solntsev, V.A. 1-52583
- Stepanenko, V.E. Increasing the operational reliability of a differentiator 1-49404
- Stepanishen, P.R. Pulsed transmit/receive response of ultrasonic piezoelectric transducers 1-48920
- Stepanov, A.V. *see* Potemkin, V.V. 1-42739
- Stepanov, B.M. *see* Drazhbin, Yu.A. 1-37199
- Stepanov, E.K., Danilenko, V.N., Matveev, S.V. Metrological support to measurements with Ge(Li) spectrometers in certifying standard sources 1-38463
- Stepanov, E.K. *see* Danilenko, V.N. 1-52745
- Stepanov, N.N. *see* Drugov, M.I. 1-50465
- Stepanov, V.A. *see* Doronin, V.G. 1-33180
- Stepanov, V.A. *see* Mis'kevich, A.I. 1-33189
- Stepanov, V.D. On Fourier integral multipliers 1-50088
- Stepanov, V.I. *see* Malovichko, Yu.V. 1-52707
- Stepanov, V.V. *see* Selyanenko, V.N. 1-35538
- Stepanova, L.N. *see* Rad'ko, M.A. 1-41730
- Stepanyants, S.L. *see* Maksimov, N.P. 1-44522
- Stepanyants, S.L. *see* Maksimov, N.P.M. 1-49797
- Stepashkin, A.I. *see* Vityazev, V.V. 1-40116
- Stepchenko, S.S. *see* Petrov, N.B. 1-38287
- Stephan, R.L., Jr. *see* Berry, O.V. 1-27646
- Stephanakis, S.J. *see* Bleach, R.D. 1-48445
- Stephans, E. *see* Hoffman, H.S. 1-45713
- Stephen, J. *see* Smith, B.J. 1-27936
- Stephens, A. Prestel—a status report 1-29407
- Stephens, B.M. 25 kV multiple unit switch for Brisbane [urban railway system] 1-35464
- Stephens, C.D. *see* Kemple, W.G. 1-33728
- Stephens, C.M. *see* Weiss, J. 1-38950, 1-44053
- Stephens, G.B. *see* Hoffman, C.R. 1-27425
- Stephens, J.B. *see* Sliney, D.H. 1-48755
- Stephens, K.G. *see* Gill, S.S. 1-50771
- Stephens, K.G. *see* Wilson, I.H. (editor) 1-35565
- Stephens, W.H., McNelis, B., Naylor, A.I., Brunt, P. Photovoltaic systems for cooling applications 1-53689
- Stephenson, A.P. 6502 programming course 1-51965
- Stephenson, D.T. *see* Post, R.E. 1-29024
- Stephenson, E.J. *see* Henning, W. 1-42856
- Stephenson, F.W., Bowron, P. A new family of multiple-amplifier feedback filters 1-45522
- Stephenson, F.W., Riad, A.A. Industrial-academic partnership in hybrid microelectronics 1-40336
- Stephenson, F.W., Steer, R.W. Positive-integrator performance in the presence of finite amplifier gain-bandwidth product 1-40156
- Stephenson, F.W. *see* Riad, A.A.R. 1-40327
- Stephenson, F.W. *see* Steer, R.W., Jr. 1-32323
- Stephenson, J. *see* Glover, A.J. 1-44500
- Stephenson, W.A. *see* Humphreys, D.R. 1-38571
- Stephenson, W.A. *see* Jensen, D.H. 1-38570
- Stepien, H. From Poland: the general conception of the introduction of nuclear combined heating and power stations in Poland 1-30896
- Stepien, M. A circuit for temperature analysis in a solidification process of aluminium pressure die castings 1-52329
- Stepina, J. General conditions for summing space harmonics of different orders in electrical machines 1-49474
- Stepniewski, J. *see* Malachowski, M.J. 1-36540
- Stepio, G.G.C. Painting for protection 1-43844
- Stepura, E.F. *see* Bashnin, O.I. 1-31090
- Stepurenko, A.A. *see* Zhokhov, V.Z. 1-45910
- Sterk, T. *see* Bailey, P. 1-50404
- Sterling, M.J.H. *see* Morris, A.S. 1-35510
- Stern, E.A. Detectors for laboratory EXAFS facilities 1-34521
- Stern, E.A. Roles of laboratory versus synchrotron radiation EXAFS facilities—panel presentation 1-34543
- Stern, E.A. *see* Kun-quan Lu 1-34531
- Stern, G.J. *see* Hamilton, S.E. 1-47074
- Stern, G.J. *see* Park, P.K. 1-47003
- Stern, H. *see* Polge, R.J. 1-42303
- Stern, J.R., Beales, K.J., Todd, C.J. Fibre design studies for monomode systems 1-42271
- Stern, K. Potential for load management in selected industries. Summary report 1-53019
- Stern, R. *see* Gilman, S. 1-52291
- Stern, T.E., Gadre, J., Smith, D.R. An efficient procedure for scheduling packets in a multibeam satellite-switched TDMA system 1-47603
- Stern, T.E. *see* Ahmadi, H. 1-29713
- Stern, T.E. *see* Eng, K.Y. 1-37327

- Stern, V. *see* van der Hoek, G. 1-44965
- Sternberg, R.L., Anderson, W.A. Frequency independent beamforming 1-47066
- Sternlieb, A. *see* Bisognano, J. 1-43009
- Sterpin, E., Rosanda, L. Additional load as cause of damages on 35 kV transmission line Pazin-Pula 1-30765
- Sterrenburg, F.A.S. Westerbork radio-telescope is ten years old 1-29829
- Sterzer, F. *see* Paglione, R. 1-34637
- Sterzer, F. *see* Paglione, R.W. 1-48749
- Stetson, L.E. *see* Ewy, K.A. 1-43739
- Stette, G. Quick and cheap data transmission 1-33938
- Stetter, W. *see* Moeller, M. 1-53679
- Steudel, G. *see* Wendtlandt, B. 1-34064
- Steuer, M. *see* Becker, U. 1-30337
- Steury, T.D. *see* Hamilton, C.B. 1-36294
- Stevens, A. *see* Wanderer, P. 1-43097
- Stevens, A.J. Radiation heating from beam loss on ISABELLE ejection septa 1-48350
- Stevens, C.G., Tidy, D. The mechanism of deposition of fuel-derived sodium in gas turbines 1-43958
- Stevens, C.M. *see* Purser, K.H. 1-48666
- Stevens, E.H. *see* Kubena, R.L. 1-36630
- Stevens, F. Planning for growth pays off [telephony] 1-37698
- Stevens, F.A. *see* Westcott, B.S. 1-41341
- Stevens, H.C. *see* Baker, C.C. 1-35016
- Stevens, J.C., Brown, B.H., Franks, C.I., Turner, D.J. Detection of auditory evoked potentials by using a personal computer 1-30437
- Stevens, M.L. *see* Hirschler-Marchand, P.R. 1-29696
- Stevens, S.N. A hierarchical approach for VLSI mask verification 1-50993
- Stevens, S.N., Pen-Min Lin Analysis of piecewise-linear resistive networks using complementary pivot theory 1-32149
- Stevens, W. *see* Stoff, H. 1-34498
- Stevenson, C.A., Netzer, D.W. Primitive-variable model applications to solid-fuel ramjet combustion 1-48830
- Stevenson, J.K. Transformation for active-RC networks 1-45481
- Steventon, A.G., Spillett, R.E., Hobbs, R.E., Burt, M.G., Fiddymont, P.J., Collins, J.V. CW operation of GaInAsP stripe lasers 1-37104
- Steventon, A.G. *see* Devlin, W.J. 1-51454
- Stevin, G.O. Integrating sound level meter for the measurement of continuous and impulse noise 1-30151
- Steward, D.V. The design structure system: a method for managing the design of complex systems 1-44668
- Stewart, A. The MD 122 dual 3 mbyte flexible disk drive 1-40798
- Stewart, C., Scrivener, G., Stewart, W.J. Guided-wave acoustooptic spectrum analysis at frequencies above 1 GHz 1-36990
- Stewart, C.P. *see* Jones, T.B. 1-48867
- Stewart, C.V. *see* Martin, V.M. 1-52551
- Stewart, D. Micropower LED flasher 1-40150
- Stewart, D., Wilson, P. Recent developments in broad area field emission cold cathodes 1-32544
- Stewart, D.A. Comparison of near-millimeter wave and infrared propagation under conditions of low visibility 1-46890
- Stewart, D.L. *see* Ballard, C.P. 1-36430
- Stewart, G., Hutchins, R.H., Laybourn, P.J.R. Hybrid integration of active and passive devices 1-36970
- Stewart, G.W. Constrained definite Hessians tend to be well conditioned 1-44997
- Stewart, J.A. *see* Blackburn, T.L. 1-29525
- Stewart, J.B. *see* Jaffa, K.C. 1-30766
- Stewart, J.M. *see* Morris, R.C. 1-47503
- Stewart, J.S. Oil break switchgear 1-44308
- Stewart, L.C. Tree and trellis speech compression 1-33596
- Stewart, N.A. A multilevel Marcos integrator 1-42337
- Stewart, R.B. *see* Davis, G. 1-39329
- Stewart, R.T., Cole, T.W., Attwood, C.F., Smith, C.J. Colour display for Culgoora solar radio spectrograph 1-37987
- Stewart, R.W. *see* Hsieh, H.C. 1-46741
- Stewart, W.J. *see* Reid, D.C.J. 1-36917
- Stewart, W.J. *see* Stewart, C. 1-36990
- Steyskal, H. On the orthogonality of approximate waveguide mode functions 1-41275
- Stich, H. A long-standing tradition of international cooperation [Siemens activities in developing countries] 1-35560
- Stickford, G.H. *see* Wickersham, C.E. 1-45118
- Stiebler, M. *see* Lindner, J. 1-35178
- Stief, D. A hybrid 12-bit system 1-30028
- Stiefel, W. Fundamentals of quality assurance 1-26960
- Stiening, R. *see* Richter, B. 1-42876
- Stiene, R.F. *see* Lee, M.J. 1-42908
- Stier, M. *see* Sala, O. 1-42851
- Stiff, J.R. *see* Kearley, S.J. 1-49183
- Stiffer, J.J. Multichannel coincidence circuit 1-34227
- Stigall, P.D., Ziemer, R.E., Pham, V.T. A performance study of a microcomputer-implemented FSK receiver 1-37481
- Stiglitz, M.R. *see* Sethares, J.C. 1-46434
- Stiles, J.A. *see* Frost, V.S. 1-29788
- Stiles, P.J. *see* Lakhani, A.A. 1-46172
- Stiller, S., Mann, H., Raab, F. Microprocessor based universal dialysis calculator for individualization of artificial kidney therapy 1-43381
- Stillerman, B. The automatic voice network (AUTOVON) 1-33746
- Stillman, G.E. *see* Anderson, E.R. 1-33221
- Stillman, G.E. *see* Tashima, M.M. 1-39797, 1-45921
- Stillman, G.E. *see* Zinkiewicz, L.M. 1-50333
- Stillman, R.H. Polymer insulators for wood pole sub-transmission line structures 1-43762
- Stillman, R.H. Polymer insulators for wood pole sub-transmission line structures 1-53115
- Stillwagon, L.E. *see* Feit, E.D. 1-32745
- Stillwell, P.F.T.C. Thermal imaging 1-52386
- Stillwell, G.R., Jr. *see* Haas, L.C. 1-30123
- Stine, L.R. *see* Camana, P.C. 1-52899
- Stinehelfer, H.E., Jr., Stinehelfer, H.E., Sr. Microwave analysis using time-domain plots created from frequency-domain reflections [distributed parameter networks] 1-45220
- Stinehelfer, H.E., Sr. *see* Stinehelfer, H.E., Jr. 1-45220
- Stinehelfer, J., Rufford, R., Cater, V., Ramirez, R. 'Large ECL bipolar RAMS' 1-32291
- Stinnett, R.W. *see* VanDevender, J.P. 1-32524, 1-33376
- Stinov, M.N. *see* Anan'in, A.V. 1-42418
- Stinson, D.R. *see* Mullin, R.C. 1-27022
- Stipp, V. *see* Yanglai Cho 1-48341
- Stirbis, P.P. *see* Bredikis, Yu.Yu. 1-30466
- Stirrup, B.N. Plante—'an old dog with new tricks' [telecommunication equipment power supplies] 1-42028
- Stjernvall, J.-E. Source coding with respect to a multidimensional fidelity criterion 1-33517
- Stobart, D., Diffey, B. A comparison of some commercially available UVA meters used in photochemotherapy 1-30474
- Stocchino, G. *see* D'Amico, A. 1-27298
- Stock, W.-D. Applications of EDP programs to optimise preventive maintenance intervals in high-throughput capital equipment 1-49974
- Stockel, J.F. *see* Dunlop, J.D. 1-31399
- Stocker, D.V. Potential load management operating benefits for the Detroit Edison Company 1-53044
- Stocker, G.C. *see* Pferd, W. 1-47935
- Stocker, H. *see* Mader, W. 1-32944, 1-36782
- Stocker, H.J., Van Uiter, L.G., Loomis, T.C., Koch, F.B. An SEM study of the nature of the electrochemical deposit in reversible electrodeposition displays 1-38248
- Stocker, H.R., Bulst, W.E., Eberharter, G., Veith, R. Octave bandwidth high performance SAW delay lines 1-36796
- Stocker, H.R. *see* Kowatsch, M. 1-42309
- Stockham, N.R. *see* Bartle, P.M. 1-27196
- Stockman, G. Object detection via image registration 1-47730
- Stockman, H.E. Tellegen's theorem—some applications 1-27207
- Stockmann, M., Winzer, G., Grassl, E. Rigid reed-type routing switch for multimode optical fibers 1-29749
- Stockton, J.R. *see* Knight, R.B.D. 1-48155
- Stoddart, J. Industrial practice and trends—National Coal Board 1-44302
- Stoecker, R.R. A wind powered home heating system 1-53327
- Stoehr, R. *see* Allinger, J. 1-43104
- Stoel, F.J.M.L. *see* ten Kate, J.H. 1-34557
- Stoelinga, J.H.M. *see* van der Heijden, R.W. 1-46479
- Stoemenos, J. *see* Valassiades, O. 1-45963
- Stoenescu, A.D. One-chip alarm scares auto thieves 1-35479
- Stoev, I.G. I-V characteristics of Si<sub>3</sub>N<sub>4</sub>-passivated IMPATT diodes 1-27975
- Stoev, I.G. On some problems with anisotropic etching of silicon (100) through silicon dioxide mask 1-46068
- Stoewer, H., Kassing, D., Reinhartz, K.K. Solar satellite power system as a future European energy source 1-31459
- Stoff, H., Brandenburg, G., Kohler, M., Krafft, K., Muller, K.D., Stevens, W., Teske, M. MEMPHIS: a modular experiment multiparameter pulse height instrumentation system 1-34498
- Stoffel, J.C. Data compression ratios versus sample resolution 1-37652
- Stoffel, N.G. *see* Brillson, L.J. 1-27864
- Stoffka, M. Tester catches RAM errors at maximum speed 1-45368
- Stogni, B.S., Osadchii, A.I. On transient processes in current transformers operating with commutated loads 1-49541
- Stoica, M. *see* Sachelarie, D. 1-45984
- Stoica, M.V. *see* Pavelescu, M. 1-35009
- Stoichita, C.M. *see* Stanciu, G.A. 1-32808, 1-51545
- Stoiko, V.P. *see* Geller, A.L. 1-44529
- Stoilov, Yu.Yu. *see* Kruglenko, V.P. 1-28671
- Stoilov, Yu.Yu. *see* Logunov, O.A. 1-28672
- Stojanovic, I.S. *see* Stojanovic, Z.D. 1-47101
- Stojanovic, Z.D., Dukic, M.L., Stojanovic, I.S. A new demodulation method improving FM system interference immunity 1-47101
- Stokes, A.D., Carpenter, I.J. Arc interruption studies under free flow and blocked nozzle conditions 1-35300
- Stokes, A.D., Carpenter, I.J. Arc interruption studies under free flow and blocked nozzle conditions 1-44251
- Stokes, A.D. *see* Kovitya, P. 1-31379, 1-35309
- Stokes, G. *see* Thayer, D.R. 1-52120
- Stokes, O.L. *see* Cato, R.T. 1-33291
- Stokes, R. *see* Boicourt, G. 1-48430
- Stokes, R.H., Crandall, K.R., Hamm, R.W., Humphry, F.J., Jameson, R.A., Knapp, E.A., Potter, J.M., Rodenz, G.W., Stovall, J.E., Swenson, D.A., Wangler, T.P. The radio-frequency quadrupole: general properties and specific applications 1-48469
- Stokes, R.H., Wangler, T.P., Crandall, K.R. The radio-frequency quadrupole—a new linear accelerator 1-42886
- Stokes, R.H. *see* Hamm, R.W. 1-42880
- Stokes, R.H. *see* Wangler, T.P. 1-38335
- Stokke, K.N. *see* Furnes, N. 1-28906
- Stokking, M. *see* Maisonneuve, M. 1-42107
- Stolarczyk, L.G. The design of a cellular MF radio communication system for underground mining 1-29650
- Stolarski, E. *see* Bulacinski, A. 1-49640
- Stolarski, G. *see* Bonin, J. 1-49449
- Stolbov, B.M. *see* Kirko, I.M. 1-49713
- Stolen, R.H., Bosch, M.A., Chinnon Lin Phase matching in birefringent fibers 1-37213
- Stolen, R.H., Wagner, R.E., Pleibel, W. Linear polarization in birefringent multimode fibers 1-40942
- Stolen, R.H. *see* Ashkin, A. 1-46487
- Stolen, R.H. *see* Dziedzic, J.M. 1-33267
- Stolen, R.H. *see* Turner, E.H. 1-51185
- Stoleru, B., Voinea, D. Evolution of methods and solutions relative to the elaboration of projects for electric installations at ISPE 1-49943
- Stoll, A. *see* Hlawka, F. 1-37702
- Stoll, H.-J. *see* Opitz, R. 1-31569
- Stoll, L. Measurement of the passive circuit element 1-42514
- Stoll, M.E. Simple, fast recovery, low-noise receiver amplifier for pulsed NMR experiments 1-38156
- Stoll, P. Recycling of fuel produced by nuclear power stations. The Swiss standpoint 1-49234
- Stoll, R.L. Eddy-current losses at the joints of laminated cores 1-49420
- Stoll, W. *see* Hennines, H.H. 1-43858
- Stollberg, H. *see* Russig, W. 1-53703
- Stolle, W. *see* Sellin, N. 1-53521
- Stolpe, J. *see* Fung, K.T. 1-31139, 1-35109
- Stolt, L. *see* Boberg, G. 1-50826
- Stolte, C.A. The influence of substrate properties on the electrical characteristics of ion-implanted GaAs 1-27816
- Stolte, H.H. The problems of district heating in a large town [Hamburg] 1-49255
- Stolyarov, M.D. *see* Zherebtsov, V.A. 1-39352, 1-48753
- Stolyarov, Yu.D. *see* Karpenko, V.A. 1-28964
- Stomberg, H. *see* Sekar, S. 1-37271
- Stone, E.C. *see* Binns, W.R. 1-48604
- Stone, F.T. *see* Lin, C. 1-40893
- Stone, J. *see* Belsterling, C.A. 1-31583
- Stone, J. *see* Damen, T.C. 1-28738, 1-51405
- Stone, M. The Volker Wraase SC-422 two memory SSTV scan converter and KB-422 keyboard 1-52234
- Stone, R. *see* Mueller, J.J. 1-34441
- Stone, R.E. Khacyan's algorithm and the complexity of the linear programming problem 1-32008
- Stone, R.W. *see* Anderson, C.N. 1-53249
- Stone, S. Early operating experience with the CLEO detector 1-43228
- Stone, S. *see* Ehrlich, R. 1-34428
- Stone, W.R. Holographic reconstruction is usually a poor solution to the inverse scattering problem. A comparison between the Bojarski exact inverse scattering theory and holography as applied to the holographic radio camera 1-28806
- Stoppels, D. Frequency dependence of the complex permeability of monocrystalline MnZn ferrous ferrites 1-46398
- Storbeck, I. *see* Ufert, K.D. 1-27834
- Storchai, V.P. *see* Bukhalo, O.P. 1-36147
- Storck, K. The second generation of automatic and semi-automatic systems for combustion engine testing 1-38124
- Stordahl, K. Analysis of telecommunication data by use of ARIMA-models 1-29358
- Storey, C. *see* Abu Hassan, M. 1-48961
- Storey, J.G., Storey, R.M. Peak reading digital display 1-30167
- Storey, J.R. *see* Sablatash, M. 1-29412
- Storey, J.W.V. Simple cryogenic temperature regulator: the Zener diode 1-36632
- Storey, R.M. *see* Storey, J.G. 1-30167
- Storey, R.W. *see* Youngbluth, O., Jr. 1-43458

- Stork, J. *see* Ahrens, P. 1-29123  
 Stork, J. *see* Vetter, D. 1-37475  
 Storm, F.K. Hyperthermia 1-48751  
 Stormberg, H.-P. Axial and radial segregation in metal halide arcs 1-53762  
 Stormer, H.L., Pinczuk, A., Gossard, A.C., Wiegmann, W. Influence of an undoped (AlGa)As spacer on mobility enhancement in GaAs(AlGa)As superlattices 1-36500  
 Storms, E.K. Thermionic properties of the molybdenum boron system 1-27755  
 Storms, E.K. A contribution to the theory of high-temperature vaporization and electron emission: application to neodymium hexaboride and lanthanum hexaboride 1-45850  
 Storms, E.K., Mueller, B.A. Thermionic emission and atom vaporization of the Gd-B system 1-40344  
 Storms, H.A. *see* Purser, K.H. 1-48666  
 Storn, R. Square and triangular waveforms from two op.-amps 1-50453  
 Storti, R. *see* Bruschi, L. 1-36144  
 Story, M.S. *see* Slayback, J.R.B. 1-52744  
 Stothart, P., Bosch, R. B-format update—recent technical improvements to the BCN series 1-42435  
 Stothart, P. *see* Poetsch, D. 1-29892  
 Stothers, J.K. *see* Barnett, T.G. 1-45346  
 Stotlar, S. *see* Ahrenkiel, R.K. 1-32756  
 Stotlar, S.C., McLellan, E.J. Developments in high-speed pyroelectric detectors 1-48089  
 Stotlar, S.C., McLellan, E.J., Gibbs, A.J., Webb, J. Developments in high-speed pyroelectric detectors 1-48101  
 Stott, F.R. *see* Timoc, C.C. 1-36230  
 Stottlemire, J.A., Cooley, C.H. Temperature-induced permeability alterations in unconsolidated and consolidated aquifer media 1-31490  
 Stouder, G. The control of flatness by means of a laser 1-35642  
 Stouder, G. A new generation switching technique 1-39087  
 Stouder, G. The laser and its use in technology 1-41178  
 Stoughton, N. *see* Man-Loong Chan 1-34778  
 Stout, C.C.R. *see* Allgaier, G.R. 1-29321  
 Stout, D.F. Handbook of microcircuit design and application 1-49861  
 Stovall, J. *see* Hansbrough, L. 1-38338  
 Stovall, J.E., Crandall, K.R., Hamm, R.W. Performance characteristics of a 425-MHz RFQ linac 1-38337  
 Stovall, J.E. *see* Hamm, R.W. 1-42880  
 Stovall, J.E. *see* Stokes, R.H. 1-48469  
 Stovall, T.K. *see* Fuller, L.C. 1-31022  
 Stover, H.L. Stepping into the 80s with die-by-die alignment 1-40668  
 Stover, S.L. *see* Kulemeier, K.V. 1-48686  
 Stowell, W.K., Orazio, F., Jr., Silva, R. Evaluation of ring laser gyro mirrors and substrates using a variable angle scatterometer 1-51495  
 Stowers, I.F. *see* Bradley, L.P. 1-36724  
 Stoyanov, D.V. Method for measuring small-phase differences by transforming them into frequency differences 1-30229  
 Stoyanov, G.S., Prytkov, S.N. A pulse-width DC stabilizer 1-39913  
 Stoyanov, V.E., Stefanov, R.R., Dimova, D.I., Baltov, I.K., Lakova, M.S. Thin-film photocells based on n-CdS and p-Cu<sub>2</sub>-S obtained by solid-state reaction between CdS and CuI 1-28576  
 Stracca, G.B. Historical evolution of engineering education in Italy 1-49885  
 Stracca, G.B. *see* Paganuzzi, G.M. 1-45598  
 Strachan, D.C. *see* Rosenfeld, J.L.J. 1-27747  
 Strachan, J.D. *see* Zankl, G. 1-48602  
 Stradling, R.A. Quantum transport in narrow-gap semiconductors 1-36498  
 Strajblava, J. Characteristics of InP electroluminescent diodes 1-28593  
 Stranak, F. Digital information transmission in satellite links 1-37883  
 Strand, D. Optical recording with amorphous materials 1-40883  
 Strand, E.M., Smith, L.R., Turner, M.E., Jr., Mantle, J.A. A comparison of simple and template variable models for discrimination between normal and PVC waveforms 1-52785  
 Strand, E.M. *see* Zissermann, D. 1-48732  
 Strand, L.D., Magiawala, K.R., McNamara, R.P. Microwave measurement of the solid-propellant pressure-coupled response function 1-34673  
 Strand, R.C. *see* Borenstein, S.R. 1-34435, 1-43227  
 Strandhagen, T. *see* Kindien, E.K. 1-47346  
 Strandhagen, T. *see* Thommessen, I. 1-47345  
 Strange, M.G. Smoothing output of oscillator with Wien bridge using filter [motor speed control application] 1-31188  
 Stranovsky, G. *see* Olken, M.I. 1-42559  
 Straskraba, I. *see* Vejvoda, O. 1-35908  
 Strasler, H.J. Modular high-density large focal plane concepts 1-47976  
 Strasser, P. *see* Richter, R. 1-53231  
 Strasz, W. *see* Styblinski, M.A. 1-45189  
 Straten, D. Integrated machine groups for the production of cores 1-35649  
 Stratford, R.P. Analysis and control of harmonic current in systems with static power converters 1-39059  
 Stratford, R.P. *see* Smith, R.L., Jr. 1-38744  
 Stratova, C., Dobrozemsky, R., Weinzierl, P. A coincidence-type ion-electron counter detector with low background for low-energy protons 1-38411  
 Stratton, C.C. *see* Regehr, J.L. 1-36206  
 Stratton, D.H. The Reed jointless track circuit 1-35465  
 Stratton, L.J. *see* Bzura, J.J. 1-31180  
 Stratton, T.F. *see* Carlson, R.L. 1-51347  
 Straube, B. *see* Elst, G. 1-39674  
 Strauch, R.G. *see* Gossard, E.E. 1-46884  
 Straus, J. *see* Conradi, J. 1-37937  
 Strauss, E. *see* Broer, M.M. 1-28750  
 Strauss, G.E. *see* Haines, A.A. 1-48018  
 Strauss, J.P., Mintzer, L. Optimal roundoff noise cancellation in distributed arithmetic filters 1-36266  
 Strauss, M.G., Brenner, R., Lynch, F.J., Morgan, C.B. 2-D position-sensitive scintillation detector for neutrons 1-34460  
 Strauss, S.D. Dealing with nuclear-accident effects 1-43878  
 Strauss, S.D. Interest grows in RO water treatment 1-43941  
 Strauss, S.D. Recycling air-preheated wash water solves supply, purity, and NPDES problems 1-53248  
 Straver, W.G.M. *see* Nordholt, E.H. 1-42495  
 Stravroulakis, P., Paraskevopoulos, P. Reduced-order feedback law implementation for 2D digital systems 1-41640  
 Strawe, D.F. Electromagnetic shielding characteristics of advanced composites 1-32091  
 Strawn, J. Approximation and syntactic analysis of amplitude and frequency functions for digital sound synthesis 1-29149  
 Strazicky, B. *see* Deak, I. 1-48933  
 Streater, R.W. *see* Baraff, D.R. 1-42692  
 Strebkov, D.S. *see* Afyay, V.V. 1-49345  
 Streck, J.P. Interlaced access of high density memory arrays 1-46197  
 Strecke, H. Electroplating and electronic data processing GO-IN. IV 1-35532  
 Streckenbach, W.-C. *see* Dahms, J. 1-29884  
 Street, M.A., Borys, S.F., Rasmussen, R.D. Automatic performance monitoring of FDM remodulation microwave systems 1-42180  
 Street, R. Notions of topos 1-31963  
 Street, R.A. *see* Johnson, N.M. 1-45941  
 Street, R.A. *see* Knights, J.C. 1-32075  
 Street, R.A. *see* Rosenblum, M.P. 1-45107  
 Street, R.L. *see* Crooks, W. 1-36821  
 Streetman, B.G. Ion implantation in compound semiconductor research 1-36552  
 Streetman, B.G. *see* Bhattacharyya, A. 1-46065  
 Streetman, B.G. *see* Drummond, T.J. 1-45973  
 Strehl, P., Englert, G., Hartung, M., Horneff, H. A new emittance measuring device of the Unilac 1-42927  
 Streifer, W., Burnham, R.D., Scifres, D.R. Channeled substrate nonplanar laser analysis. I. Formulation and the plano-convex waveguide laser 1-37124  
 Streifer, W., Scifres, D.R., Burnham, R.D. Channeled substrate nonplanar laser analysis. II. Lasers with tapered active regions 1-51457  
 Streifer, W. *see* Burnham, R.D. 1-37157  
 Streifer, W. *see* Fekete, D. 1-33224  
 Streifer, W. *see* Scifres, D.R. 1-37160, 1-41082  
 Streit, P. *see* Menth, A. 1-27629  
 Streit, U. On the iterative solution of nonlinear difference schemes for one-dimensional Stefan's problems 1-39702  
 Strekalev, A.A. *see* Zinov'ev, E.V. 1-33785  
 Strel'tsov, A.M. *see* Marchenko, V.F. 1-37334  
 Strel'yakov, S.I. *see* Kuzmin, M.P. 1-39886  
 Strel'yuk, M.I., Sergei, I.I. The effect that phase splitting in the flexible conductors of outdoor switchgear has on the dynamics of their parameters during short circuits 1-49612  
 Strel'yuk, M.I., Zaratskii, E.F. Electromagnetic stresses in reactors with disc windings 1-31287  
 Stremel, J.P. Generation system planning under load forecast uncertainty 1-30614  
 Stremel, J.P. Maintenance scheduling for generation system planning 1-30661  
 Stremel, J.P. Sensitivity study of the cumulant method of calculating generation system reliability 1-34783  
 Stremel, J.P. Maintenance scheduling for generation system planning 1-34804  
 Stremel, J.P. Generation system planning under load forecast uncertainty 1-34809  
 Stremel, J.P., Jenkins, R.T. Maintenance scheduling under uncertainty 1-34807  
 Stremovskii, A.N. Study of leakage currents in single-phase domestic mains 1-49160  
 Stretton, A.M. Distinctive features of project management: a comparison with conventional management 1-49918  
 Streubler, R. *see* Schmidt, W. 1-36399  
 Streuber, D.W., Jr., Bailis, E.I. Imaging charge-coupled devices for deep-space surveillance 1-38204  
 Streuber, M., Volland, H. Short-circuit problems during the application of low-voltage three-phase generators in the island network 1-49426  
 Strezoski, V.C. *see* Calovic, M.S. 1-30691  
 Strickland, A.B. *see* Berg, E.J. 1-33606  
 Strickland, B.R., Edlin, G.R., ShumPERT, T.H. Design, construction, and calibration of pseudo-transparent, non-interfering electric and magnetic field sensors 1-42612  
 Strickland, R.N., Burke, J.J. Geometrical rectification of spin-scan images from Pioneer 11 1-37646  
 Strien, J.J.A. van *see* van Strien, J.J.A.  
 Striffler, C.D. *see* Destler, W.W. 1-32552, 1-45857  
 Striffler, C.D. *see* Grossmann, J.M. 1-42817  
 Strikha, V.I. *see* Levandovsky, V.G. 1-40544  
 Stringer, F.S. (editor) AGARD Conference Proceedings. No.283. Electromagnetic Effects of (Carbon) Composite Materials upon Avionics Systems 1-31768  
 Stringer, J. Towards a theory for the management of large engineering projects 1-49924  
 Stringer, L.F. Synchronous motor adjustable frequency drive systems for large mechanical draft fans 1-35412  
 Stringfellow, G.B., Stall, R., Koschel, W. Carbon in molecular beam epitaxial GaAs 1-27115  
 Stringfellow, M.S. *see* Durkin, M.F. 1-47738  
 Striny, K.M., Schelling, A.W. Reliability evaluation of aluminum-metallized MOS dynamic RAMs in plastic packages in high humidity and temperature environments 1-46339  
 Stritzker, B. *see* Lau, S.S. 1-36524  
 Striz, V. The A 290 D integrated stereophonic decoder 1-34070  
 Striz, V. TV receivers digitisation 1-42401  
 Strizhak, V.Ya., Kokovskii, I.Ya. Electrical table clock with radio-correcting device and piezoelectric motor 1-48245  
 Strmen, P. *see* Janik, R. 1-36093  
 Strnad, A. *see* Rohls, H. 1-39076  
 Strobel, P., Greenblatt, M. Crystal growth and electrical properties of lithium, rubidium and cesium molybdenum oxide bronzes 1-35939  
 Strobl, I. RESPIRATRON an equipment for pulmonary diagnosis 1-34566  
 Strodioit, J.-J., Hien Nguyen, V., Heukemes, N. Characterisation of  $\epsilon$ -solutions in convex programming 1-44962  
 Stroe, V.A. *see* Venikov, V.A. 1-53009  
 Stroganova, G.V. *see* Geller, A.L. 1-44529  
 Strogii, B.S. *see* Petunin, Yu.I. 1-39390  
 Strohbehn, J.W. *see* de Sieyes, D.C. 1-34638  
 Strohe, J. Safety against electromagnetic interference 1-28931  
 Stroher, H. *see* Ries, H. 1-48603  
 Strohle, D. Humidity problems in LSI circuits 1-40661  
 Stroikovskii, A.K., Pershin, A.A., Sheikin, A.N. New devices for measuring the moisture content of charge materials in ferrous metallurgy 1-34402  
 Stroikovskii, A.K., Sazhin, M.V., Dombrovskii, V.P., Ryashchikov, V.I. Selection of a detector of ionizing radiation for speed of response 1-30322  
 Stroink, G., Blackford, B., Brown, B., Horacek, M. Aluminum shielded room for biomagnetic measurements 1-38479  
 Stroinski, M. *see* Krolkowski, Cz. 1-32489  
 Strojwas, A. *see* Maly, V. 1-46233  
 Strolle, C.H., Reitzeier, G.A., Smith, T.R. Rotation of instrumentation images on a raster-scanned display utilizing polar coordinate transformation 1-45875  
 Strom, S. Simple but thorough flat-cable test detects 'open' and 'short' defects 1-40258  
 Strom, S. Controlling noise in high speed digital circuits 1-50666  
 Strom, U. *see* Weiser, K. 1-51139  
 Stromsmoe, K.A. *see* Filanovsky, I.M. 1-50478  
 Stromsta, R. *see* Klevesahl, B. 1-46420  
 Stromsta, R. *see* Lopez, O. 1-40801  
 Stromswold, D.C. Comparison of sodium iodide, cesium iodide, and bismuth germanate scintillation detectors for borehole gamma-ray logging 1-34426  
 Strona, P. *see* Alemanni, M. 1-39251  
 Stronach, A.F., Santos, R. On-site testing and prediction of performance of large off-shore drives 1-44413  
 Stronach, A.F., Smith, J.R., Tsao, T. Dynamic simulation techniques in the determination of response of special marine systems 1-53704  
 Stronach, A.F. *see* Smith, J.R. 1-44414  
 Stronach, C.E. *see* Lankford, W.F. 1-48609  
 Strong, R.D. *see* Starkovich, V.S. 1-30266  
 Strong, W.J. *see* Smith, M.E. 1-41537  
 Stronge, W.J., Schulz, J.C. Projectile impact damage analysis 1-39647  
 Strongman, C.P. *see* Argent, G.G.R. 1-53311  
 Stroock, D.W. The Malliavin calculus and its application to second order parabolic differential equations. I 1-39501  
 Stroock, D.W. The Malliavin calculus and its application to second order parabolic differential equations. II 1-50100

- Strope, D.H.**, Tobin, B.M., Trudgen, G.A., Zevotek, R.L. Optical inspection system 1-32501
- Strothmann, W.** *see* Sieg, H.-C. 1-44421
- Stroud, R.O.**, Drumm, D.B. Comment on overflow in two's complement addition 1-47201
- Stroughton, N.** *see* Man-Loong Chan 1-38663
- Strozak, R.** *see* Adaszewski, W. 1-47306
- Strub, R.A.** Air storage peak load plants 1-31076
- Struby, E.** *see* Baeggli, H. 1-35423
- Struchkov, A.I.** Contact wear during cathode spot formation 1-27649
- Struckman, K.A.** Correlation of masquerading multitime [antennas] 1-51691
- Struckmeier, J.** *see* Klabunde, J. 1-48418
- Struczinski, W.** *see* Deutschmann, M. 1-34480
- Struczinski, W.** *see* Ludlum, T. 1-34481
- Struk, J.R.** *see* Dorler, J.A. 1-40685, 1-40689
- Struk, J.R.** *see* MacFarland, J. 1-40688
- Strukov, I.A.** *see* Baulin, V.I. 1-36331
- Strum, R.C.** *see* White, L.D. 1-42677
- Strumban, E.E.** *see* Donu, V.S. 1-42617
- Strumia, F.** *see* Inguscio, M. 1-37065
- Strumpf, J.** *see* Schiller, S. 1-32082
- Strunk, H.** *see* Kolbesen, B.O. 1-36469
- Struska, J.** *see* Sladek, J. 1-46418
- Strutt, L.** Post synchronising sound 1-29941
- Struve, K.W.** *see* Briggs, R.J. 1-48400
- Struve, K.W.** *see* Fessenden, T.J. 1-48557
- Struven, W.C.** Tunnel radio communications system at Stanford Linear Accelerator Center 1-29649
- Struzak, R.G.**, Pietranik, M. On two methods of measurement of ignition RFI suppressor effectiveness 1-37323
- Strychenko, V.A.** Construction features of video terminal facilities for operative interaction 1-48168
- Stryutskov, V.K.** *see* Bronshtein, E.L. 1-38175
- Strzalkowski, I.**, Kozanecki, A., Majewski, Z. The method for determining the mean free path of electrons at SiO<sub>2</sub>-Si interface from photocurrent-voltage characteristic 1-50835
- Strzelczyk, F.** Analysis of chosen problems of the functioning of coupled control systems of steam power pressure and temperature of a boiler-turbine system 1-43952
- Strzelczyk, F.**, Wawszczak, A. The analysis of influence of non-linearity of cooling water valves on the quality of the steam control of power boiler 1-43951
- Stuart, D.B.** *see* Woodfine, J.J. 1-38116
- Stuart, R.A.** *see* Childs, P.A. 1-32816
- Stuart, R.W.** *see* Walker, M.S. 1-28287
- Stuart, T.** *see* King, R. 1-32171
- Stubbe, M.** Study of signalling and control equipment policy for medium voltage distribution networks 1-49092
- Stubbe, P.** Modifying effects of a strong electromagnetic wave upon a weakly ionized plasma: a kinetic description 1-41245
- Stubberud, A.R.** Acquisition probability for a correlation algorithm 1-37390
- Stubbins, W.F.** Orbit properties from the first integral of the Lorentz force 1-43039
- Stubblebine, J.B.** *see* Moore, D.S. 1-50131
- Stubbs, J.F.L.** *see* Sellars, O.P. 1-41892
- Stubbs, P.W.R.** *see* Ironside, J.M. 1-31626
- Stuber, W.** *see* Klopff, P. 1-52727
- Stubin, R.J.**, Dieffenbacher, G.W. A flexible approach to automated wire bonding 1-32519
- Stubbjaer, K.**, Asada, M., Arai, S., Suematsu, Y. Spontaneous recombination, gain and refractive index variation for 1.6  $\mu$ m wavelength InGaAsP/InP lasers 1-51468
- Stubbjaer, K.E.** *see* Asada, M. 1-37105
- Stuchebnikov, V.M.**, Sukhanov, V.N., Khasikov, V.V. Strain-gauge sensitive elements based on 'silicon-on-sapphire' structures used in pressure transducers for high temperatures 1-48061
- Stuchly, M.A.** *see* Bahl, I.J. 1-48750
- Stuchly, S.S.** *see* Bahl, I.J. 1-47042, 1-48750
- Stuck, B.W.** A teletraffic performance analysis of a digital communications link 1-33714
- Stuck, B.W.** *see* Arthurs, E. 1-29250, 1-29449
- Stuck, R.**, Fogarassy, E., Muller, J.C., Hodeau, M., Wattiaux, A., Siffert, P. Laser-induced diffusion by irradiation of silicon dipped into an organic solution of the dopant 1-36501
- Stuck, R.** *see* Fogarassy, E. 1-39125
- Stucke, R.F.** Test fixture for thin film measurement 1-30041
- Stuckert, P.** The IEEE/IEC pulse standards - basic tools for waveform analysis 1-52371
- Stucki, P.** *see* Fox, S.J. 1-37422
- Studenskii, O.V.** Contemporary state of the electrical energy industry of Colombia and the prospects of its development up to year 2000 1-53007
- Studna, A.A.** *see* Aspnes, D.E. 1-32711
- Studniarz, S.A.** The effect of barriers in the low field regions of non-uniform fields on oil breakdown 1-36721
- Studniarz, S.A.** The effect of barriers in the low field regions of non-uniform fields on oil breakdown 1-36725
- Studnicka, M.** The Magion experiment 1-43431
- Stuefflotten, S.** *see* Holte, N. 1-29592
- Stuer, H.** *see* Siemers, D. 1-35977
- Stukan, V.A.** *see* Martyakhin, V.A. 1-33114
- Stuke, J.** *see* Harbeck, G. 1-27145
- Stukov, O.I.** *see* Repenko, E.V. 1-30330
- Stulen, F.B.**, De Luca, C.J. Frequency parameters of the myoelectric signal as a measure of muscle conduction velocity 1-43336
- Stults, B.R.** Workshop on X-ray sources. Summary 1-34524
- Stults, B.R.** Relation of roles of EXAFS facilities in laboratory and at synchrotron radiation sources - panel presentation 1-34542
- Stultz, T.J.** *see* Crowley, J.L. 1-46003
- Stulz, L.W.** *see* Kaminow, I.P. 1-33230
- Stummer, B.** *see* Pospischil, R. 1-42137
- Stump, K.B.** *see* Hedin, R.A. 1-38722, 1-38785
- Stumper, U.** Prospects for a six-port reflectometer working at submillimetre wavelengths 1-48222
- Stumpers, H.M.** *see* Louis, F. 1-29266
- Sturge, D.P.** *see* Grant, R.J. 1-49332
- Sturgis, J.P.** Electronic voice substitute 1-52298
- Sturlini, C.P.**, Tanca, S., Tardini, C. International telephone exchanges: modern solution using SPC digital switching 1-42087
- Sturmer, A.** *see* Kohn, J. 1-46319
- Sturridge, H.** Viewdata moves in 1-29395
- Sturtz, J.P.** *see* Miller, H.C. 1-32550
- Sturzenegger, Ch.** *see* Schotzau, H.J. 1-31369
- Sturzing, C.** Low speed diesels for high efficiency 1-53286
- Stutius, W.** Preparation of low-resistivity n-type ZnSe by organometallic chemical vapor deposition 1-27138
- Stuwe, K.-P.** House-emergency call facility helps elderly and handicapped persons 1-37890
- Stverak, J.** A management information system in the Central Dispatching Organisation 1-43497
- Styblinski, M.A.**, Ogrodzki, J.T., Opalski, L.J., Strasz, W. New methods of yield estimation and optimization and their application to practical problems 1-45189
- Styczinski, D.A.** *see* Henning, L.R. 1-50504
- Styczynski, Z.** *see* Bujko, J. 1-43607, 1-53080
- Styles, J.R.**, Barrett, J.R. Technicians to support specialist engineers - an impossible education problem? 1-26811
- Stys, R.D.**, Quade, A.W. A cogeneration overview by a large electric and gas utility 1-44619
- Stys, Z.S.** *see* Zaugg, P. 1-31051
- Su, C.B.** An analytical solution of kinks and nonlinearities driven by near-field displacement instabilities in stripe geometry diode lasers 1-46740
- Su, K.Y.**, Wade, G. The fabrication of an opto-acoustic transducer for real-time diagnostic imaging 1-36737
- Su, L.M.** *see* Beneking, H. 1-32798
- Su Ching-shen** *see* Ching-shen Su
- Su Hai-zheng** *see* Gao Pei-juan 1-33269
- Su Hai-zheng** *see* Yang Tian-long 1-28437
- Su Zong-he** *see* Zheng You-dou 1-27869
- Suares, J.** *see* Lobachevskiy, L.A. 1-51606
- Subachev, V.G.** Expanding production and improving technical level of electrothermal equipment 1-26917
- Subachev, V.G.** *see* Borodachev, A.S. 1-31712
- Subba Rao, B.V.S.** Alumina and ceramics for electronic applications 1-50338
- Subba Rao, S.** *see* Singh, R. 1-33830
- Subba Rao, S.M.** Bus differential protection - principles and application of moderate impedance schemes 1-38814
- Subba Rao, V.** *see* Rao, D.P. 1-53317
- Subba Rao, V.S.** *see* Bandopadhyaya, R.N. 1-35147
- Subbiah, V.** *see* Palanichamy, S. 1-32378
- Subbiah, V.** *see* Palanichamy, S. 1-49564
- Subbotin, F.M.** *see* Mikolaitis, V.A. 1-37017
- Subdo, A.S.**, Loy, M.M.T., Roland, P.A., Beigang, R. High peak power F<sub>1</sub>(II) color center laser for time-resolved infrared spectroscopy 1-41074
- Suberluqa, G.** *see* Baribaud, G. 1-42934
- Subhadra Dutta, Jackson, H.E.**, Boyd, J.T., Hickernell, F.S., Davis, R.L. Scattering loss reduction in ZnO optical waveguides by laser annealing 1-51159
- Subhani, K.F.** *see* Shaw, M.P. 1-32664
- Subotowicz, M.** *see* Mojejk, K. 1-35957
- Subrahmanyam, S.V.** *see* Anil Kumar, K. 1-36133
- Subrahmanyeswara Rao, B.V.P.** *see* Maitra, A. 1-41235
- Subramaniam, P.**, Krishnaparandhama, T. Corrosion and protection of buried structures - a review 1-53096
- Subramaniam, P.** *see* Raghurami Reddy, D. 1-49621
- Subramanian, K.S.** Determination of tin in geological materials by AA 1-30532
- Subramanian, R.**, Natarajan, R., Ravichandran, N. Complex two-unit system with preventive maintenance 1-50051
- Subramanian, R.**, Ravichandran, N. Interval reliability of an n-unit system with single repair facility 1-35674
- Subramanian, R.**, Ravichandran, N., Natarajan, R. Stochastic models of 2-unit systems 1-35685
- Subramanian, R.**, Sarma, Y.V.S. A complex two-unit parallel system 1-35699
- Subramanian, R.**, Sarma, Y.V.S. A redundant system with non-instantaneous switchover and 'preparation time' for the repair facility 1-50057
- Subramanian, S.** Rapid calculation of defocused partially coherent images 1-37638
- Subramanian, S.**, Arora, B.M., Guha, S. An investigation of the origin of the main electron trap in GaAs 1-36482
- Subramanyan, C.G.** A note on high purity materials synthetic quartz, hybrid circuit technology, battery power supplies and associated materials 1-50273
- Subrata, T.** *see* Bruinsma, P.J.T. 1-48387
- Sucharczuk, M.** *see* Rowe, C. 1-29774
- Suche, H.** *see* Sohler, W. 1-37219
- Suchodolski, V.** *see* Baltz, A. 1-46387
- Suchy, U.** *see* Giesler, H.P. 1-38104
- Suckert, B.** *see* Kaplan, B.-Z. 1-45316
- Suckling, C.** Microwaves [plotting microwave paths] 1-33356
- Suckling, C.W.** *see* Pengelly, R.S. 1-27626
- Sud, R.**, Hardee, K.C. Designing static RAMs for yield as well as speed 1-45356
- Suda, T.**, Miyahara, H., Hasegawa, T. Group random access-TDMA integrated transmission technique in a satellite communication channel 1-42218
- Sudakov, O.A.** Correcting antenna radiation pattern using the filtering method 1-41301
- Sudakov, R.S.** On interval estimation 1-35669
- Sudarkin, A.N.** *see* Garibyan, O.V. 1-46589
- Sudarshan, T.S.** *see* Bulinski, A. 1-28170
- Sudbury, R.W.** *see* Atwater, H.A. 1-45692
- Sudbury, R.W.** *see* Chu, A. 1-28082
- Suddeth, D.E.**, Volk, G.J. The rapid cycling synchrotron extraction kicker magnet drive system 1-48375
- Suddeth, D.E.** *see* Hogrefe, R.L. 1-42992
- Suddeth, D.E.** *see* Rauchs, A.V. 1-42959
- Sudhakar Rao, K.** Collimation error in a space-fed phased array 1-51728
- Sudo, S.**, Kawachi, M., Edahiro, T., Chida, K. Transmission characteristics of long-length VAD fibers 1-40914
- Sudo, S.** *see* Kawachi, M. 1-33042
- Sudo, T.** *see* Sugiyama, Y. 1-40079
- Sudo, Y.** *see* Obata, O. 1-49535
- Sudoh, T.**, Naganuma, M., Senoo, T., Inaba, F., Gotoh, S. CRT multi-color graphic display 1-47946
- Sudworth, J.L.** *see* Hames, M.D. 1-31404
- Suematsu, Y.** Future optical fibre communication systems 1-37909
- Suematsu, Y.** *see* Asada, M. 1-37105, 1-46729
- Suematsu, Y.** *see* Hirota, O. 1-51482
- Suematsu, Y.** *see* Itaya, Y. 1-37108
- Suematsu, Y.** *see* Kambayashi, T. 1-46755
- Suematsu, Y.** *see* Kobayashi, K. 1-41084
- Suematsu, Y.** *see* Stubbjaer, K. 1-51468
- Suematsu, Y.** *see* Utaka, K. 1-37111, 1-37171, 1-41085
- Suematsu, Y.** *see* Yamada, M. 1-46739
- Suemune, I.**, Yamanishi, M., Mikoshiba, N., Kawano, T. Theory of acoustic distributed feedback lasers with stripe active regions 1-41100
- Suen, C.Y.** *see* Chan, W.Y. 1-30059
- Suen Lai-Chering** *see* Lai-Chering Suen
- Suenaga, H.** *see* Matsushima, H. 1-34156
- Suenaga, M.**, Sampson, W.B., Luhman, T.S. Fabrication techniques and properties of multifilamentary Nb<sub>3</sub>Sn conductors 1-28283
- Suenaga, Y.** *see* Nagura, M. 1-33774, 1-41818
- Sueta, T.**, Izutsu, M. High-speed guided-wave optical components 1-36933
- Sueta, T.** *see* Izutsu, M. 1-36968, 1-40924
- Sueta, T.** *see* Matsushima, T. 1-46527
- Sueta, T.** *see* Morimoto, A. 1-46787
- Sueta, M.** *see* Kasuga, T. 1-48446
- Suetens, P.**, Dierckx, P., Piessens, R., Oosterlinck, A. A semiautomatic digitization method and the use of spline functions in processing line drawings 1-45032
- Sueur, M.** *see* Clement, C. 1-34517
- Suffel, C.L.** *see* Boesch, F.T. 1-39581
- Suffert, M.** *see* Alard, J.P. 1-52717
- Suffolk, J.R.** *see* Pengelly, R.S. 1-45691
- Sufletel, N.** *see* Ivas, D. 1-49076
- Suga, T.** *see* Gotoh, H. 1-45091
- Sugahara, H.** *see* Uesaka, T. 1-50729
- Sugai, K.** *see* Tsubouchi, K. 1-32953
- Sugai, M.** *see* Iwamura, J. 1-27476
- Sugai, T.**, Soga, H., Motegi, M., Minamida, K., Kanno, H., Ookubo, K., Ishikawa, S., Hayakawa, H. Laboratory automation system FLANC-II 1-29977
- Sugak, V.M.** *see* Zuevich, A.V. 1-34733
- Sugamura, N.**, Itakura, F. Line spectrum representation of linear predictor coefficients of speech signal and its statistical properties 1-41546
- Suganami, T.**, Tomisawa, M., Tokaku, S., Nakamura, T., Yokota, M. Studies of lateral vibrations in vertical motors 1-53368
- Sugano, K.** *see* Hanson, J. 1-34445
- Sugano, K.** *see* Sakai, Y. 1-34448

- Sugano, T. Material and device research for VLSI in Japan 1-46209
- Sugano, T., Koshiga, F., Yamasaki, K., Quoc Vu Ho, Hirayama, Y. Anodization of GaAs and Si in oxygen plasma and its application to the fabrication of devices and integrated circuits 1-32773
- Sugano, T., Yeh, C.-F. Generation of defects at Si-SiO<sub>2</sub> interface in electron beam lithography 1-40474
- Sugano, T. *see* Hirayama, Y. 1-50947
- Sugano, T. *see* Sakurai, T. 1-40465
- Sugano, T. *see* Vu Quoc Ho 1-50836
- Suganuma, R. *see* Takci, T. 1-52114
- Suganuma, T. *see* Katsuyama, T. 1-40896
- Sugawara, S. *see* Sugawaga, K. 1-50859
- Sugawara, T. *see* Horiike, Y. 1-32769
- Sugawara, Y. *see* Iijima, T. 1-41052
- Sugaware, H. *see* Saito, Y. 1-32433
- Sugerman, A. Reducing radioactive species in evaporated aluminum films by shutting off the initial vapor stream 1-50973
- Sugerman, A. Purifying aluminum of alpha particle producing contamination 1-50976
- Sugerman, A. *see* Kumar, A.H. 1-27966
- Sugeta, T. *see* Urisu, T. 1-51351
- Sugi, M., Fukui, T., Iizima, S., Iriyama, K. Effect of chromophore aggregation in the Langmuir multilayer photoconductors 1-37006
- Sugihara, Y. *see* Murazumi, Y. 1-39657
- Sugii, K. *see* Kubota, E. 1-39733
- Sugii, K. *see* Nakano, J. 1-39746
- Sugimori, K. A microcomputer controlled diesel engine generator 1-43970
- Sugimori, K. *see* Kawamoto, H. 1-38937
- Sugimori, Y. Expectations of physical oceanography to acoustic engineering for ocean study 1-48875
- Sugimoto, M., Konagai, M., Takahashi, K. Formation of GaAs thin films for photovoltaic applications by peeled film technology 1-39118
- Sugimoto, M. *see* Endo, N. 1-46313
- Sugimoto, M. *see* Morimoto, M. 1-40050
- Sugimoto, M. *see* Suzuki, K. 1-51021
- Sugimoto, N. *see* Yoshinaga, T. 1-46976
- Sugimoto, S., Kobayashi, K. Optical passive components for communications 1-37944
- Sugimoto, T. An interactive simulation program for the wiring of transmission line with discontinuity of impedance 1-50374
- Sugimoto, T. *see* Sunaga, Y. 1-38786, 1-43643
- Sugimoto, Y. Advances in digital technology and applications in VLBI 1-50513
- Sugimoto, Y. *see* Shinoda, T. 1-45881
- Sugimura, A. Band-to-band Auger effect on the output power saturation in InGaAsP LEDs 1-33162
- Sugimura, A. Band-to-band Auger recombination effect on InGaAsP laser threshold 1-37107
- Sugimura, A. Band-to-band Auger recombination in InGaAsP lasers 1-46726
- Sugimura, A. *see* Itakura, Y. 1-51231
- Sugino, T., Itoh, K., Shimizu, H., Wada, M., Teramoto, I. Reduction of threshold current in GaAlAs terraced substrate lasers 1-37125
- Sugino, T. *see* Shimizu, H. 1-37129
- Sugino, T. *see* Wada, M. 1-37131
- Sugioka, R., Fudemoto, I., Tsuda, T. DTS-1 digital telephone system for a toll office 1-42053
- Sugita, E., Ibaragi, O., Momoi, S. High density Multiwire circuits using thinner wires 1-45759
- Sugita, K., Miura, T., Iida, M., Ueda, H., Tsukakoshi, N., Nishijima, Y., Tsukumo, J., Hoshino, Y. Development of Bi-functional OCR 1-38155
- Sugita, Y. *see* Ikeda, T. 1-32069
- Sugiura, H., Yamaguchi, M. Si molecular beam epitaxy with ion doping 1-39802
- Sugiura, T. *see* Yotsumoto, K. 1-44242
- Sugiyama, F., Nakamura, M. An LPC vocoder for efficient implementation 1-41551
- Sugiyama, F. *see* Asakawa, S. 1-47099
- Sugiyama, H. *see* Hashimoto, T. 1-48636
- Sugiyama, K., Hayashida, K. Inter-layer insulated Milliken type conductor with low skin effect for power cables 1-49115
- Sugiyama, K. *see* Asai, H. 1-50285
- Sugiyama, K. *see* Oe, K. 1-32067
- Sugiyama, M., Shikano, K. LPC peak weighted spectral matching measures 1-47157
- Sugiyama, S., Takahashi, N. Optical measuring device for interior dimensions of automobiles 1-30264
- Sugiyama, S. *see* Kayanuma, A. 1-29940
- Sugiyama, T. High performance automatic calibration systems 1-38095
- Sugiyama, T. *see* Nakamura, M. 1-40748
- Sugiyama, Y., Kasahara, M., Inoue, T., Hirasawa, S., Namekawa, T. A type I erasures-and-errors decoder for majority-logic-decodable codes 1-33552
- Sugiyama, Y., Suzuki, M., Kobayashi, Y., Sudo, T. A subnanosecond 12k gate bipolar 32-bit VLSI processor 1-40079
- Sugiyama, Y. *see* Hirasawa, S. 1-41500
- Sugiyama, Y. *see* Mori, M. 1-33844
- Sugiyama, Y. *see* Tanaka, K. 1-52313
- Sugrobov, A.M. *see* Ledovskii, A.N. 1-44116
- Suguro, K. *see* Ohdomari, I. 1-46051
- Suh, C.H., Van der Ziel, A., Jindal, R.P. 1/f noise in GaAs MESFETS 1-40614
- Suh, Si., Olsen, T.O. Optimal cogeneration in an integrated kraft mill 1-53845
- Suh Chung Ha *see* Chung Ha Suh
- Suhara, S. *see* Tsuji, M. 1-40205
- Suhara, T., Nishihara, H., Koyama, J. Integrated hologram memory device using optical guide and liquid crystal switch matrix 1-37237
- Suichinska, M. *see* Bovzhik, Ya. 1-48622
- Suiverveld, J. *see* Herron, L.W. 1-27897
- Suikkola, R. *see* Lehto, S. 1-41361
- Sujan, S. Channels with additive asymptotically mean stationary noise 1-33417
- Sukegawa, K., Sugawara, S. A new high resolution negative electron resist chloromethylated poly- $\alpha$ -methylstyrene ( $\alpha$ M-CMS) 1-50859
- Sukegawa, T. *see* Hatanaka, Y. 1-40345
- Sukhanov, I.I. *see* Sametov, A.R. 1-28653
- Sukhanov, V.L. *see* Ivanov, E.I. 1-32693
- Sukhnikov, V.N. *see* Stuchebnikov, V.M. 1-48061
- Sukhatme, S. *see* Ghosh, M. 1-39539
- Sukhin, S.A. *see* Baryshnikov, F.F. 1-33168
- Sukhinin, V.P. *see* Kosyak, Y.F. 1-30910
- Sukhoruchkin, I.V., Kiryukhin, B.F. A light flasher employing a single electromagnetic relay 1-45737
- Sukhorukov, A.N. *see* Kreslo, E.A. 1-40163
- Sukhorukov, A.V. *see* Bashkirkii, N.N. 1-53239
- Sukhov, A.V. *see* Garibyan, O.V. 1-46589
- Sukhov, A.V. *see* Pilipetskiy, N.F. 1-41141
- Sukhov, I.Ya. *see* Gromov, V.S. 1-31709
- Sukhoverkhov, A.A. *see* Simonik, A.G. 1-35540
- Sukhovskiy, Ye.S. *see* Koroza, V.I. 1-37349
- Sulakshin, S.S. *see* Bystritskii, V.M. 1-28652, 1-37088
- Sulc, V. Some experiences with pulse semiconductor converters in driving battery trucks 1-53518
- Suleiman, A.T. *see* Aliyu, U.O. 1-49364
- Suleimanov, N.A. *see* Semileto, S.A. 1-32070
- Suliciu, I. *see* Mihailescu-Suliciu, M. 1-49135
- Suller, V.P. *see* Thompson, D.J. 1-48292
- Sullivan, D.J., Godfrey, B.B. EM wave electron acceleration 1-48407
- Sullivan, D.R. Active 10.6  $\mu$ m image processing 1-47955
- Sullivan, J.A. *see* Beattie, W.H. 1-28828
- Sullivan, J.A. *see* Cure, J.R. 1-49335
- Sullivan, J.P. *see* Wasynczuk, O. 1-44011
- Sullivan, L.J. *see* Bottrell, G. 1-31150
- Sullivan, M.R., Toth, J.B. Hybrid A/D converter for 200°C operation 1-36315
- Sullivan, P.W., Farrow, R.F.C., Jones, G.R., Stanley, C.R. MBE growth of InP and epitaxial aluminium contacts 1-50296
- Sullivan, R.L. *see* Ranade, S.J. 1-43619
- Sullivan, R.M. *see* Wingate, C.A., Jr. 1-34686
- Sullivan, R.S., Hayya, J.C. Control variate simulation of stochastic project networks 1-35732
- Sullivan, T.M. *see* Phillips, P.J. 1-52202
- Sulpis, M. *see* Grenier, Y. 1-41599
- Sultan, M.A. *see* Shinaishin, M.A. 1-34995
- Sultanem, F., Bleijs, C.A., Rioux, C., Rioux-Damida, F. Study of a pulsed generator based on an iron-free asynchronous machine 1-53435
- Sultanov, A.Kh. *see* Aminev, A.M. 1-50951
- Sultanov, A.Kh. *see* Bakirov, N.K. 1-26987
- Sultanov, F.N. *see* Bagirzade, E.F. 1-46615
- Sulyaev, A.S., Fedotov, V.M. Rotation-rate sensor employing pulse-width modulation 1-30096
- Sulyaev, R.M. *see* Alekseev, A.V. 1-52742
- Suma, K. *see* Tsuji, T. 1-38477
- Sumarokov, A. *see* Deutschmann, M. 1-34480
- Sumarokov, A. *see* Fabjan, C.W. 1-48585
- Sumarokov, A. *see* Ludlam, T. 1-34481
- Sumerin, V.V. *see* Abil'slitov, G.A. 1-37083
- Sumi, M. *see* Imoto, K. 1-46508
- Sumi, Y., Harumoto, Y., Hasegawa, T., Yano, M., Ikeda, K., Matsuura, T. New static VAR control using force commutated inverters 1-53526
- Sumida, S., Kunitomo, K., Kaboragi, M., Obara, M., Fujioka, T., Sato, K. Effect of preionization uniformity on a KrF laser 1-46678
- Sumida, S. *see* Nakano, T. 1-42450
- Sumihara, H. *see* Tanada, Y. 1-41515
- Sumioka, A. *see* Okamoto, Y. 1-34344
- Sumita, S. *see* Nunotani, Y. 1-47270, 1-52027
- Sumitani, M. *see* Takagi, Y. 1-47207
- Sumiyoshi, M., Sekiya, S., Motosugi, K., Uozumi, J., Ando, T., Takeuchi, U., Minoura, M. Electronic mass-flow carburettor (EMC) system 1-38318
- Sumiyoshi, T. *see* Aihara, H. 1-43211
- Summa, A. Electronic key with resistive balancing 1-27540
- Summa, A. Electronic pen for the blind 1-30390
- Summa, A. Extremely economical vehicle anti-theft unit 1-31604
- Summa, G.M. *see* Harper, J.M.E. 1-40516
- Summa, W.J. *see* Reynolds, M.J. 1-45789
- Summers, J.E. *see* Clarke, J. 1-44664
- Sumner, D. WARC-79 decisions affecting radio amateurs 1-52209
- Sumner, J.F. *see* Hamant, B.L. 1-35612
- Sumrov, V.V. *see* Pirogov, F.B. 1-28555
- Sumski, S. *see* Capasso, F. 1-50299
- Sumski, S. *see* Kalnitsky, A. 1-51254
- Sun, C. *see* Chang, K. 1-45649
- Sun, C.Y. *see* Hwang, H.L. 1-27118, 1-45099
- Sun, D.F. *see* Evans, J.E. 1-29795
- Sun, D.I. *see* Athay, T.M. 1-53032
- Sun, H.J., Gutmann, R.J., Borrego, J.M. Optical tuning in GaAs MESFET oscillators 1-45656
- Sun, R.K. *see* Turko, B.T. 1-34231
- Sun, S.C., Salowe, S., Taylor, E.R., Jr., Mumert, C.R. A subsynchronous oscillation relay-type SSO 1-43795
- Sun, S.C., Salowe, S., Taylor, E.R., Jr., Mumert, C.R. A subsynchronous oscillation relay-type SSO 1-49180
- Sun, T. *see* Lee, M.J. 1-42908
- Sun, Y.C., Sah, C.T. Interface edge effect and its contribution to the frequency dispersion of metal-oxide-semiconductor admittance 1-46025
- Sun An-na, Zhao Shu-luan. Gettering effect of aluminium for silicon epitaxial layer 1-27783
- Sun Bing-rong *see* Liu Yi-xian 1-41064
- Sun Bogeng *see* Changyan, C. 1-47789
- Sun Chang, Blumstein, S.E. The role of onsets in perception of stop place of articulation: effects of spectral and temporal discontinuity 1-47149
- Sun Shan *see* Shan Sun
- Sun Tian-duo A model on the coercivity of the hardened 2-17 rare earth-cobalt permanent magnets 1-46429
- Sun Tian-duo *see* Xiao Wen-tao 1-46428
- Sun Yuping, Han Jieping, Liang Junhou, Ge Huang, Liang Jiuchun A lithographic technique of scanning electron beam without development 1-32729
- Sun-Yuan Kung, Bhaskar Rao, D.V. Highly parallel architectures for solving linear equations 1-37586
- Sunaga, Y., Amano, Y., Sugimoto, T. Electric field and ion current at the ground and voltage of charged objects under HVDC lines 1-38786
- Sunaga, Y., Amano, Y., Sugimoto, T. Electric field and ion current at the ground and voltage of charged objects under HVDC lines 1-43643
- Sunahara, Y., Kubo, A., Someya, T., Ohsumi, A., Nagayama, Y., Kawabe, K. Studies on the signal detection via real-time data processing 1-41679
- Sunahara, Y., Sekiguchi, T. Ray theory of diffraction by a half-sheet parallel to a flat Earth 1-28918
- Sunak, H.R.D. The wavelength dependence of pulse dispersion in multimode fibre optical waveguides 1-28471
- Sunak, H.R.D., Ayres Neto, J.B. De M. Intermodal pulse dispersion in multimode optical fibres and its measurement with a nanosecond test facility 1-28472
- Sunami, H. *see* Wada, Y. 1-36692
- Sunanto, Kolesnik, Yu.I., Rozanov, Yu.A. Analysis of rectifier with artificial commutation 1-39069
- Sunda, J. Miniature condensers (capacitors) for HF decoupling 1-45719
- Sunda, J.A. Miniature decoupling capacitors for HF applications 1-32413
- Sundaram, V.S. *see* Sickafus, E.N. 1-27167
- Sundaramurthy, M., Bhattacharyya, B.B., Swamy, M.N.S. A simple technique for precise voltage control of oscillator frequencies 1-45317
- Sundaramurthy, M. *see* Bhattacharyya, B.B. 1-36136
- Sundararajan, N. Comments on 'Minimum sensitivity controllers with applications to VTOL aircraft' 1-34661
- Sundberg, C.-E. Sequences for spread spectrum multiple-access systems generated from cyclic error-correcting codes 1-33530
- Sundberg, C.-E. *see* Aulin, T. 1-33443, 1-47106
- Sundberg, C.-E. *see* Cedervall, M. 1-37416
- Sundberg, C.-E.W. *see* Anderson, J.B. 1-29062, 1-33527
- Sundberg, C.-E.W. *see* Aulin, T. 1-29063, 1-29064
- Sundelin, R., Billing, M., Kaplan, R., Kirchgessner, J., Meller, R., Morse, D., Phillips, L., Rice, D., Seeman, J., von Borstel, E. CESR RF system 1-43084
- Sundelin, R. *see* Billing, M. 1-42862
- Sundelin, R. *see* Kirchgessner, J. 1-48534
- Sundelin, R. *see* Padamsee, H. 1-43106
- Sundelin, R. *see* Seeman, J. 1-43023
- Sundelin, R.N. *see* Moore, R.A. 1-36803
- Sunderhauf, H. *see* Wichmann, H. 1-49122
- Sundquist, M.E. *see* Norton, G.A. 1-42847
- Sundstrom, D.L., Edwards, J.A. Inside MIL-STD-1553: efficient embedded protocols 1-51978
- Sundstrom, G.J. *see* Tucker, C.J. 1-43461
- Sundstrom, V., Gillbro, T. Pulse properties of a synchronously mode-locked, cavity dumped, picosecond dye laser system 1-28665
- Sunduchkov, K.S., Kazimirenko, V.Ya. Parasitic channels of receiver input circuits 1-41473
- Sung, C.C. Effects of the H<sub>2</sub>O molecular interactions on the absorption line shape 1-46891
- Sung, P. *see* Han, M.-K. 1-49682
- Sung Hun Yang, Choochun Lee. Thermoelectric powers of amorphous semiconductor alloys 1-45950

- Sung J. Chung**, Murty, K.G. Polynomially bounded ellipsoid algorithms for convex quadratic programming 1-44946
- Sung Ma Dong** *see* Dong Sung Ma
- Sung Mo Kang** A design of CMOS polycells for LSI circuits 1-46308
- Sung-Han Park**, Nian-Chyi Huang, Aggarwal, J.K. One-dimensional linear time-varying digital filtering using two-dimensional techniques 1-45546
- Suni, I.** *see* Maenpaa, M. 1-50895
- Sunnapwar, K.P.**, Soitkar, V.S., Dutt, R.S., Navaneeth, G.N. Automated pulse repetition time measurements in a sing-around system in ultrasonics 1-48243
- Sunnapwar, K.P.** *see* Soitkar, V.S. 1-42774
- Sunshine, C.A.** *see* Postel, J.B. 1-51955
- Sunter, S.K.**, Girczyk, E.F., Chowanec, A. A programmable transversal filter for voice-frequency applications 1-50550
- Suntola, T.** Performance of atomic layer epitaxy devices [electroluminescent structures] 1-46650
- Sunu, W.G.** *see* Burrows, B.W. 1-31409
- SUott, P.D.** *see* Nikias, C.L. 1-37630
- Suozzi, J.J.** *see* Goldstein, M. 1-42089
- Superczynski, M.J.** *see* Waltman, D.J. 1-28399
- Superti Furga, G.** *see* Farini, A. 1-53425
- Suprovic, P.** *see* Priscu, R. 1-35080
- Sura, P.** *see* Tokarcik, M. 1-30233
- Surakampontorn, W.** Wide-band voltage-controlled and current-controlled resistance circuits 1-27570
- Surawatpunya, C.**, Tsutsumi, M., Kumagai, N. The filter characteristics of millimeter wave in a permittivity-modulated dielectric slab waveguide 1-40213
- Surda, V.** Thermal balance on closely ranged electrodes in flowing argon glow discharge 1-27740
- Surdu, M.N.**, Voichenko, G.I. Certain bridge networks with quick acting high precision displacements controllers 1-30193
- Sureau, J.-C.** *see* Keeping, K.J. 1-47737, 1-52160
- Suresh, B.R.**, Sheno, B.A. New results in two-dimensional Kalman filtering with applications to image restoration 1-33609
- Suresh, M.S.** Power supply with stable current limit 1-27284
- Surgoychev, S.I.** Pulse tract for photomultipliers in satellite photometer 1-30120
- Suri, R.** Existence of optimal Lagrange multipliers for certain nonconvex allocation problems 1-39624
- Suris, P.L.** *see* Izrailev, Y.L. 1-35056
- Suris, R.A.** *see* Bragin, N.V. 1-32692
- Suris, R.A.** *see* Masloboev, Yu.P. 1-28733
- Suris, R.A.** *see* Nechaev, V.M. 1-33128
- Surjon, C.** High-capacity video switching matrices 1-29583
- Surleau, P.** *see* Gatefait, J.P. 1-42115
- Surov, O.I.** *see* Aleksandrov, A.F. 1-45849
- Surridge, R.K.** *see* Sander, I.R. 1-28044
- Surtani, K.** *see* Penz, P.A. 1-46591
- Surutka, J.** *see* Bozilovic, G. 1-51748
- Suryanarayana, C.V.** *see* Chockalingam, M.J. 1-44383
- Suryanarayana Rao, S.V.**, Murali, S., Bhimasankaram, V.L.S. A T-shaped four-electrode configuration for resistivity profiling over thin vertical conducting veins 1-52937
- Surzhik, T.M.** *see* Gilman, B.I. 1-33145
- Susa, N.**, Yamauchi, Y. Vapor phase epitaxial growth of InP on liquid phase epitaxial  $\text{In}_{0.53}\text{Ga}_{0.47}\text{As}$  1-27124
- Susa, N.**, Yamauchi, Y., Kanbe, H. Continuous growth of high purity InP/InGaAs in InP substrate by vapor phase epitaxy 1-32065
- Susa, N.** *see* Ando, H. 1-27927, 1-33136
- Susa, N.** *see* Shirai, T. 1-46632
- Susaki, S.** *see* Matsushita, T. 1-35008
- Susaki, W.**, Ikeda, K., Shirahata, K. Wideband frequency modulation with a reduced resonance-like peak in TJS lasers 1-37167
- Susaki, W.**, Takamiya, S. Visible semiconductor laser 1-46743
- Susaki, W.** *see* Nakamura, M. 1-37904
- Susaki, W.** *see* Namizaki, H. 1-37135
- Susaki, W.** *see* Oomura, E. 1-33245, 1-37110, 1-41111
- Susaki, W.** *see* Shirahata, K. 1-47696
- Sushko, A.F.**, Akimov, A.A., Zharkov, Yu.N. Machine method for functional adjustment of precision voltage dividers type R-2R 1-32366
- Sushko, B.I.** *see* Akhtyrskii, V.V. 1-31442
- Sushkov, V.P.** *see* Golovanov, V.A. 1-32692
- Sushkov, V.P.** *see* Bragin, N.V. 1-41029
- Susinno, G.** *see* Basile, M. 1-43250, 1-43251
- Suski, G.J.** *see* Speck, D.R. 1-51409
- Suskind, B.** *see* Noto, R. 1-50510
- Suskind, B.A.**, Borgini, F. The CMOS/SOS Automated Universal Array 1-40078
- Susman, L.** *see* Cronson, H.M. 1-30038
- Susse, R.**, Schagelmann, B.M. On the invariants of the sensitivity function 1-39863
- Sussenbach, H.** *see* Schiekel, M. 1-27772
- Susskind, A.K.** Testing by verifying Walsh coefficients 1-51792
- Sussman-Fort, S.E.** Inductor-capacitor one-ports and inverse eigenvalue problems 1-45212
- Sussman-Fort, S.E.** Inductor-capacitor one-ports and inverse eigenvalue problems 1-50386
- Susta, J.** *see* Neesemann, H. 1-48313
- Sustman, J.E.** *see* Taylor, L.L. 1-49015
- Sutanto, D.** *see* Wong, K.P. 1-53056, 1-53057
- Sutcliffe, G.R.**, Courduvelis, C.I. Getting the best from electroless copper solutions [PCB manufacture] 1-27701
- Sutcliffe, H.**, Wong, C.Y. Operational amplifier with compensation pole as basis for active networks 1-45285
- Suter, J.** *see* Namkung, W. 1-43206
- Suteu, V.** *see* Buzatu, C. 1-52577
- Sutherland, A.D.** *see* Gong, J. 1-28582
- Sutherland, R.** *see* Fazio, M.V. 1-48345
- Sutherland, R.G.**, West, D.B., Wood, L.A. Interface testing 1-39385
- Sutherland-Smith, U.** *see* Vivian, P.G.L. 1-26928
- Sutotskii, G.P.** *see* Vasilenko, G.V. 1-49275
- Sutsch, A.** *see* Bammer, K. 1-53312
- Sutter Safety** precautions in the use of a cable test car 1-53091
- Sutton, A.J.** *see* Bossen, D.C. 1-33488
- Sutton, A.J.** *see* Sagar, G.S. 1-33489
- Sutton, D.C.** *see* Axel, P. 1-42900
- Sutton, D.G.**, Smith, F.A., Elliott, A.T. A multiaperture collimator for use at 511 keV 1-30415
- Suwa, I.**, Kubitz, W.J. A computer-aided-design system for segmented-folded PLA macro-cells 1-45423
- Suwa, M.** *see* Tsukiyama, T. 1-48012
- Suyama, K.** *see* Kusakawa, H. 1-46316
- Suyama, M.**, Ogasawara, N., Ito, R. Transient temperature variation of injection lasers 1-41097
- Suyama, R.M.**, Machen, D.R., Johnson, J.A. The FMIT facility control system 1-42935
- Suydam, B.R.** *see* Fisher, R.A. 1-41144
- Suyderhoud, H.G.**, Onufry, M., Yatsuzuka, Y., Virupaksha, K. Digital speech interpolation with nearly instantaneous companding or ADPCM [satellite communications] 1-47162
- Suyderhoud, H.G.** *see* Ghais, A.F. 1-47615
- Suyderhoud, H.G.** *see* Szarvas, G.G. 1-47577
- Suzaki, T.** *see* Morita, H. 1-33317
- Suzhen Zhu** *see* Zhu Suzhen
- Suzuki, A.** A mathematical programming model for assessing advanced oil technologies 1-32006
- Suzuki, A.**, Kyuragi, H., Matsumura, S., Matsunami, H. LPE growth and photoluminescence of  $\text{In}_{1-x}\text{Ga}_x\text{P}_{1-y}\text{As}_y$  on GaAs 1-45089
- Suzuki, A.**, Mamenko, K., Furui, N., Matsunami, H. C-V characteristics of SiC metal-oxide-semiconductor diode with a thermally grown  $\text{SiO}_2$  layer 1-50829
- Suzuki, A.-I.** *see* Morimoto, M. 1-40050
- Suzuki, F.** *see* Katoh, S. 1-37848
- Suzuki, F.** *see* Yamamoto, T. 1-34321
- Suzuki, H.**, Sato, K. Program Controlled Centralized Supervisory and Control Unit (PCSC) 1-29540
- Suzuki, H.** *see* Gotoh, H. 1-45091
- Suzuki, H.** *see* Hasuo, S. 1-28319, 1-40861
- Suzuki, H.** *see* Kuriki, K. 1-30529
- Suzuki, H.** *see* Obata, Y. 1-34775
- Suzuki, H.** *see* Oguchi, K. 1-38985
- Suzuki, H.** *see* Tsujikawa, A. 1-32431
- Suzuki, J.**, Kanno, M., Tanabe, K., Yamaguchi, K. FM radio front end IC 1-34058
- Suzuki, J.** *see* Ogawa, K. 1-27393
- Suzuki, J.** *see* Tsuboi, T. 1-42629
- Suzuki, K.**, Ishibashi, T., Satoh, M., Isogai, T. A multiplexed phase-change-type color LCD 1-42689
- Suzuki, K.**, Morimoto, M., Endo, N., Sugimoto, M., Iida, Y., Kurogi, Y., Mori, K. Electron beam direct writing technology applied to 512 kbit ROM with 1  $\mu\text{m}$  geometry 1-51021
- Suzuki, K.**, Yamawaki, T., Noguchi, S., Gotoh, T. High density multiwire board 1-45762
- Suzuki, K.** *see* Arai, K. 1-29392
- Suzuki, K.** *see* Endo, N. 1-46313
- Suzuki, K.** *see* Izumi, K. 1-29362
- Suzuki, K.** *see* Kobayashi, K. 1-37852
- Suzuki, K.** *see* Murakami, K. 1-38761
- Suzuki, K.** *see* Ono, K. 1-41971
- Suzuki, K.** *see* Satou, M. 1-29939
- Suzuki, M.** Moments of linearly truncated multivariate normal distribution 1-44868
- Suzuki, M.**, Maekawa, T., Okano, S., Bandow, T. Effects of RF-bias on properties of sputtered silicon films 1-45948
- Suzuki, M.**, Nakao, A., Maekawa, T., Kumeda, M., Shimizu, T. Doping and adsorption effects in amorphous silicon prepared by high pressure RF sputtering 1-40424
- Suzuki, M.**, Sakagami, I., Miki, N., Nagai, N. Digital filter representation of constant-resistance distributed-line networks and their applications 1-45539
- Suzuki, M.**, Sakagami, I., Miki, N., Nagai, N. A consideration on time domain analysis of the open-circuited cascade of transition lines 1-46979
- Suzuki, M.** *see* Buus, J. 1-46986
- Suzuki, M.** *see* Hanabusa, M. 1-27139
- Suzuki, M.** *see* Hanaki, S. 1-47456
- Suzuki, M.** *see* Koshiba, M. 1-33378, 1-40960, 1-41273, 1-51058
- Suzuki, M.** *see* Nagai, K. 1-32047, 1-32048
- Suzuki, M.** *see* Oguchi, T. 1-30023
- Suzuki, M.** *see* Okano, S. 1-27886, 1-27886
- Suzuki, M.** *see* Sakagami, I. 1-40199
- Suzuki, M.** *see* Sha, K. 1-47060, 1-47061
- Suzuki, M.** *see* Sugiyama, Y. 1-40079
- Suzuki, M.** *see* Washisu, T. 1-33306
- Suzuki, M.** *see* Yoshizaki, K. 1-29586
- Suzuki, N.**, Ikeda, N., Suzuki, S., Kurihara, S. FICS-1 storage and conversion program system (STOC-101) 1-33768
- Suzuki, N.** *see* Kamac, T. 1-33760
- Suzuki, N.** *see* Yoshikawa, M. 1-28718
- Suzuki, O.** *see* Adachi, S. 1-51665
- Suzuki, R.**, Umez, K., Takuma, H., Shimizu, F. Multiple sampling digital boxcar integrator, an efficient signal averager 1-29186
- Suzuki, S.** 100 MHz storage oscilloscope 1-42659
- Suzuki, S.**, Irie, G. Influence of some reconstruction methods in computed tomography on the forming of motion artifacts 1-38493
- Suzuki, S.** *see* Hirata, M. 1-36112
- Suzuki, S.** *see* Hori, Y. 1-39138
- Suzuki, S.** *see* Kirihiara, Y. 1-33762
- Suzuki, S.** *see* Nantou, Y. 1-47891
- Suzuki, S.** *see* Saito, H. 1-42660
- Suzuki, S.** *see* Shirakawa, H. 1-49650
- Suzuki, S.** *see* Suzuki, N. 1-33768
- Suzuki, T.** On the coupling impedance of a resonant cavity 1-42816
- Suzuki, T.**, Ishii, T., Mitsui, S. Failure analysis and improvement in the reliability of GaAs FETs 1-40600
- Suzuki, T.**, Kato, H., Taira, Y., Adachi, Y., Konishi, N., Kasuya, T. Full-automatic broad-band wavelength control of a pulsed dye laser 1-33195
- Suzuki, T.**, Kobiki, M., Wataze, M., Segawa, K., Irie, M. Plated source bridge (PSB) GaAs power FET with improved reliability 1-46178
- Suzuki, T.**, Miyake, K., Kishizima, I. Study on experimental simulation of lightning strokes 1-34936
- Suzuki, T.**, Miyake, K., Kishizima, I. Study on experimental simulation of lightning strokes 1-43784
- Suzuki, T.**, Miyake, K., Shindo, T. Discharge path model in model test of lighting strokes to tall mast 1-43760
- Suzuki, T.**, Murakami, H., Saito, Y., Yamagishi, A., Inaba, H. Research and development of a compact REB generator for exciting shorter wavelength lasers 1-33257
- Suzuki, T.**, Shirasu, H. Recent work on switched capacitor circuits in Japan 1-50398
- Suzuki, T.**, Tsubono, K., Kuroda, K., Hirakawa, H. Calibration of gravitational radiation antenna by dynamic Newton field 1-47054
- Suzuki, T.**, Yamagishi, A., Inaba, H. Ultraviolet laser emission at 337 and 358 nm by collisional energy transfer in fast electron-beam-pumped, high-pressure Ar-N<sub>2</sub> mixtures 1-33183
- Suzuki, T.** *see* Akeyama, A. 1-29371
- Suzuki, T.** *see* Arai, I. 1-45495
- Suzuki, T.** *see* Kamimura, K. 1-35352
- Suzuki, T.** *see* Kitani, Y. 1-42105
- Suzuki, T.** *see* Kobayashi, Y. 1-32616
- Suzuki, T.** *see* Kojima, T. 1-28208
- Suzuki, T.** *see* Kumata, N. 1-36633
- Suzuki, T.** *see* Naruse, Y. 1-34572
- Suzuki, T.** *see* Saiga, N. 1-52962
- Suzuki, T.** *see* Satou, M. 1-29939
- Suzuki, T.** *see* Togashi, S. 1-52531
- Suzuki, T.** *see* Utsunomiya, T. 1-30454
- Suzuki, T.** *see* Yamakido, K. 1-33870, 1-52005
- Suzuki, T.** *see* Yoshikawa, M. 1-28718
- Suzuki, Y.** The structure and stability of nonlinear networks 1-39877
- Suzuki, Y.** The stability and separability of autonomous nonlinear electrical-mechanical networks 1-45226
- Suzuki, Y.** Observations on characteristics required of VLB system antennae 1-51686
- Suzuki, Y.**, Ikeda, K., Tomita, Y., Honda, S. The low distortion power amplifier 1-45298
- Suzuki, Y.**, Kikkawa, S., Ohara, H. Identification of an unknown pattern with variable amplitude asynchronously generated in noise 1-33690
- Suzuki, Y.**, Miyano, N., Chiba, T. Expanding the frequency bandwidth of a microstrip antenna 1-51714
- Suzuki, Y.**, Noguchi, Y., Takahei, K., Nagai, H., Iwane, G. 1.5  $\mu\text{m}$  region BH laser array 1-28720
- Suzuki, Y.** *see* Fujimura, T. 1-34911
- Suzuki, Y.** *see* Kawaguchi, H. 1-46722
- Suzuki, Y.** *see* Obata, O. 1-49535
- Suzuki, Y.** *see* Saegusa, T. 1-39991
- Suzuki, Y.** *see* Yamaguchi, K. 1-33990
- Suzuki, Z.** *see* Kobayashi, K. 1-37852
- Suzumura, N.**, Noda, H. Concurrent and quantitative evaluation of neuronal activity and eye movement signals in behavioral experiments 1-32374

- Suzumura, N. see Ishii, N. 1-37538  
 Suzuoki, Y. see Ieda, M. 1-32919  
 Suzuyama, T., Asaba, S., Sekino, A. Rack-adhesion diesel electric locomotive 1-44428  
 Svagr, V. Measuring deformations by a He-Ne laser beam using electronic detectors 1-30259  
 Svakhin, A.S. see Belovolov, M.I. 1-37942  
 Svatos, P. Radiofrequency interference due to controlled thyristor sources for manual arc welding 1-51629  
 Svec, A. Transient phenomenon in a circuit comprising a condenser and MOSFET 1-36358  
 Svec, A. A subtraction circuit for periodic pulse sequences 1-50515  
 Svechnnik, D.V., Osipov, Yu.M. Graph plotters with linear electric drive 1-48149  
 Svechnikov, S.V. Electroluminescent image transformers and amplifiers 1-51287  
 Svechnikov, S.V. see Kaganovich, E.B. 1-32727  
 Svedlov, M. Evaluation of scene-matching concepts for autonomous acquisition terminal homing 1-48809  
 Svendsen, P. see Winfrey, R.C. 1-40796  
 Svenson, A.N. see Gazdaika, B.P. 1-30554  
 Svenson, E.B., Jr. see Arnold, H.S., Jr. 1-53151  
 Svenson, T. Toroidal transformers—construction, advantages of use, and basic circuits 1-31284  
 Svensson, A. see Carlsson, K.-G. 1-42004  
 Svensson, B. see Hedman, L. 1-49147  
 Svensson, B. see Linder, G. 1-42110  
 Svensson, G.K. see Chin, L.M. 1-34633  
 Svensson, L. see Henning, S. 1-43243, 1-43244  
 Svensson, S., Mortensen, K. Damping of subsynchronous oscillations by an HVDC link. An HVDC simulator study 1-30705  
 Svensson, S., Mortensen, K. Damping of subsynchronous oscillations by an HVDC link. An HVDC simulator study 1-38728  
 Sverak, J.G., Dick, W.K., Dodds, T.H., Heppie, R.H. Safe substation grounding. I 1-38797  
 Sverdluk, M.B. see Koshevoy, V.M. 1-47208  
 Sverdllov, B.N. see Aarik, J.A. 1-33239  
 Sverdllov, B.N. see Bogatov, A.P. 1-37146  
 Sverdllov, B.N. see Dolginov, L.M. 1-41089  
 Sverkunov, Yu.D. Measurement of multidimensional transfer functions using a nonlinear system 1-39874  
 Sverkunov, Yu.D. Representation of combination harmonics at the output of a nonlinear system with a parabolic characteristic 1-41729  
 Svetlakov, V.P. see Miroshnikov, M.M. 1-38145  
 Svetlichnyi, A.M., Klindukhov, V.G. Estimate of the role of the polarization of the space charge of dislocations and the appearance of microplasma breakdown in a p-n junction in silicon 1-36511  
 Sviatoslavsky, L.N. see Baker, C.C. 1-35016  
 Svidzinskii, A.V. see Makeev, A.I. 1-40871  
 Svilans, M.N. see Beneking, H. 1-33156  
 Svilo, E.V. see Tolkunov, V.P. 1-49477  
 Svircevic, S. Calculation of the waiting system with limited availability 1-47277  
 Svircevic, S. see Burus, I. 1-37682  
 Sviridov, K.N. see Bakut, P.A. 1-33359  
 Svirshcheva, E.A. see Sinitskaya, M.P. 1-36053  
 Svoboda, J., Prochazka, J. Semiautomatic equipment for wire wrapping 1-40262  
 Svoboda, V. Application of new fire regulations in designing and building power plants 1-43920  
 Swab, P. see Krishnaswamy, S.V. 1-40405  
 Swaffield, J.J.E. see Sellars, O.P. 1-41892  
 Swain, G. Build this 6-amp battery charger 1-44190  
 Swain, G. see De Jong, R. 1-49959  
 Swain, P.H. see Landgrebe, D.A. 1-52934  
 Swain, R.S. see Pilgrim, M. 1-42173  
 Swain, T.E. A synchrotron frequency splitting cavity—Qs cavity—for the SRS storage ring 1-43040  
 Swale, M. Joystick control 1-38050  
 Swami, N.K. see Srivastava, S. 1-49693  
 Swaminathan, V. Microwave frequency measurement on pulsed RF bursts 1-30246  
 Swaminathan, V., Kimerling, L.C., Wagner, W.R. The effect of electron irradiation on the low-temperature emission spectra from Ge-doped  $\text{Ga}_{0.60}\text{Al}_{0.40}\text{As}$  grown by liquid phase epitaxy 1-45920  
 Swaminathan, V., Schumaker, N.E., Zilko, J.L. Photoluminescence of thermally treated  $\text{n}^+$  Si-doped and semi-insulating Cr-doped GaAs substrates 1-45932  
 Swaminathan, V., Tsang, W.T. Effect of growth temperature on the photoluminescent spectra from Sn-doped  $\text{Ga}_{1-x}\text{Al}_x\text{As}$  grown by molecular beam epitaxy 1-28564  
 Swaminathan, V. see Anthony, P.J. 1-32752, 1-37158  
 Swaminathan, V. see Pawlik, J.R. 1-46725  
 Swamy, M.N.S. see Bhattacharyya, B.B. 1-36136  
 Swamy, M.N.S. see Karivaratharajan, P. 1-45543  
 Swamy, M.N.S. see Lam, J.W.K. 1-40136  
 Swamy, M.N.S. see Raghurami Reddy, D. 1-45541  
 Swamy, M.N.S. see Reddy, C.H. 1-37544  
 Swamy, M.N.S. see Reddy, H.C. 1-40122  
 Swamy, M.N.S. see Roytman, L.M. 1-27223, 1-32129, 1-36049, 1-40114, 1-40127, 1-40130, 1-45206, 1-45453  
 Swamy, M.N.S. see Sundaramurthy, M. 1-45317  
 Swan, D.W. see Diver, K.J. 1-29543  
 Swan, H.J.C. see Garcia, E. 1-52771  
 Swaney, P. Custom designed analog ATE 1-52014  
 Swann, D.A. see Larsen, E.V. 1-43546, 1-43547, 1-43548, 1-43592, 1-43593, 1-43594  
 Swann, T. see Appert, O. 1-46780  
 Swannack, C.E. see Elliott, J.C. 1-43188  
 Swansborough, R.H. see Gelsthorpe, R.V. 1-53323  
 Swanson, A.L. see Bates, B.D. 1-35232  
 Swanson, E.B. see Mason, R.O. 1-44626  
 Swanson, L.H. see Cato, R.T. 1-33291, 1-38168  
 Swanson, L.W., Gesley, M.A., Davis, P.R. Crystallographic dependence of the work function and volatility of  $\text{LaB}_6$  1-45855  
 Swanson, L.W. see Chen, H.K. 1-31486  
 Swanson, L.W. see Davis, P.R. 1-31485  
 Swanson, S. see Ward, C. 1-31132  
 Swanson, W.P. An effective radiological safety program for electron linear accelerators 1-38538  
 Sward, W. Four chips generate pseudorandom test data 1-30138  
 Swart, J.W., Charry, E. Achievement of high lifetime by a combination of HCl oxidation and POGO gettering techniques 1-46045  
 Swart, M. Video test signal generator with stored information 1-47797  
 Swartjes, H.M. see van der Heijden, R.W. 1-46479  
 Swartz, A. Purifying the power line 1-30817  
 Swartzlander, E.E., Jr., McKay, J.M. Digital beam forming processor 1-41710  
 Swarup, P., Jain, R.K., Verma, S.N., Charan, S., Tandle, D.M. Preparation and properties of  $\text{GaAsSb}$  and  $\text{GaAlAsSb}$  epi-layers 1-45097  
 Swatowski, A., Witkowski, A. Laser technique in geodesy, mining and building 1-46819  
 Sweaney, D. The role of the engineer in a changing society. II 1-31794  
 Sweat, R.H., Jr. see Polk, D.R. 1-39903  
 Sweatt, W. see Appert, O. 1-46780  
 Sweatt, W.C. Alignment and focusing device for a multibeam laser system 1-46781  
 Sweet, D.A. see Floyd, R.E. 1-34194  
 Sweet, M.D. see Habich, A.B. 1-27660  
 Sweeting, D.K., Ferrier, R.I. The location of insulation faults in buried 415 volt tee-jointed power cables 1-43714  
 Sweeting, M. UOSAT—the AMSAT scientific and educational amateur spacecraft 1-29684  
 Sweeting, M.N. The AMSAT amateur scientific and educational spacecraft "UOSAT" 1-43396  
 Sweil-Yam Yu The self-consistent analysis of the on-set of strong inversion in an MOS transistor with double-layer substrate impurity profile 1-40615  
 Swenson, D. see Hansborough, L. 1-38338  
 Swenson, D.A. see Hamm, R.W. 1-42880  
 Swenson, D.A. see Penner, S. 1-38340, 1-42871  
 Swenson, D.A. see Stokes, R.H. 1-48469  
 Swenson, G.W., Jr. Data processing in synthetic-aperture radio astronomy 1-47757  
 Swiatek, K., Dumania, P. The effect of boron redistribution on the threshold voltage of n-channel MOS transistors in CMOS structures 1-50929  
 Swift, C.D. see Speck, D.R. 1-51409  
 Swift, G.W. see Yunik, M. 1-52281  
 Swift, R.M. see Hoge, F.E. 1-34717  
 Swigert, C.J., Forward, R.L. Electronic damping of orthogonal bending modes in a cylindrical mast—theory 1-45568  
 Swiggard, E.M. see Slegier, K.J. 1-50934  
 Swimm, R.T. see Dumas, K.A. 1-35371  
 Swindell, W. see Gmitro, A.F. 1-30424  
 Swingle, W.L., Edge, J.T. The electric Orbiter 1-52840  
 Swinstead, N.D. The effect of technology on industrial design: Packaging 1-42509  
 Swiontek, T.J. see Sances, A., Jr. 1-39355  
 Swoboda, C. see Hornstra, F. 1-31438  
 Swope, G.R. see Owsley, N.L. 1-41661  
 Swords, D.D. Regulation of a solar-powered steam generator in the presence of clouds 1-38934  
 Sy, W.N.-C. Magnetic field due to helical currents on a torus 1-46833  
 Syachenko, A.A. see Aleksandrov, I.V. 1-28475  
 Syamal, P.K. see Pekau, O.A. 1-39643  
 Syamalamba, Y., Naidu, B.S., Reddy, P.J. Preparation and characterisation of  $\text{In}_{0.5}\text{Ga}_{0.5}\text{Sb}$  films 1-35971  
 Sybert, L. see Folz, D.J. 1-53281  
 Sychugov, D.Yu. see Popov, A.M. 1-50257  
 Sychugov, V.A., Tishchenko, A.V., Khakimov, A.A. Thin-film laser based on a Bragg waveguide 1-28673  
 Sychugov, V.A. see Belovolov, M.I. 1-37942  
 Sychugov, V.A. see Parriaux, O. 1-28477  
 Syeinska, A. see Malcher, J. 1-37282  
 Sydenham, P.H. Mechanical design of instruments. III. Fundamental concepts of systems nature (Part B) 1-29965  
 Sydnor, D. Multiplying DAC stabilizes PLL parameters 1-39988  
 Syed Javed Ashraf see Nagrial, M.H. 1-44026  
 Sykora, J. Transmission properties of a non-conventional coaxial line 1-46967  
 Sykulka, E. Mathematical models of HVDC transmission links for study on the steady-state stability of power systems 1-43649  
 Syler, R.L. see Anzelone, T.A. 1-44709  
 Syler, R.L. see Rupe, D.E. 1-28205  
 Symes, J. A range of metal-ceramic travelling wave tubes from 100 mW to 100 W, using a common vacuum envelope 1-32566  
 Symons, B.J. see Spencer, H.J.C. 1-33918  
 Symons, F.W., Jr. Use of linear prediction in detecting narrowband signals in colored noise 1-37611  
 Symons, R.S., Jory, H.R., Hegji, S.J. An experimental gyro-TWT 1-32569  
 Symons, R.S. see Ferguson, P.E. 1-45861  
 Syms, R.R.A., Solymar, L. Localized one-dimensional theory for volume holograms 1-51535  
 Synek, S. see Chobola, Z. 1-51277  
 Synorov, V.F. see Sysoev, B.I. 1-27883  
 Syrova, I.V. see Nizhenskii, A.D. 1-45576  
 Syslo, M.M. On the family of all fundamental cycle sets of a graph 1-44903  
 Sysoev, A.A. see Ivanov, V.P. 1-43254  
 Sysoev, B.I., Bezryadin, N.N., Synorov, V.F., Martynova, N.A. Effect of interface states on the electrostatic characteristics of MS<sup>2</sup>S structures 1-27883  
 Sysoeva, E.P. see Tsirlin, Yu.A. 1-52712  
 Sytin, A.N. see Alekseev, A.V. 1-52742  
 Sytin, A.N. see Bushnin, Yu.B. 1-30372  
 Syversrud, D. see Avery, R. 1-42826  
 Syversrud, H.K. see Leemann, B.T. 1-43073  
 Szabados, L., Toth, I., Vigassy, J. Problems of the safety operation of VVER type nuclear power plants regarding thermohydraulics 1-53184  
 Szabadvary, L. see Adam, A. 1-48839  
 Szablya, J.F. see Sances, A., Jr. 1-39355  
 Szabo, A., Dokic, B. Analysis of the one-capacitance square-wave generator made by bipolar transistors of the same type 1-45329  
 Szabo, B. The TLD 04B thermoluminescent dosimeter evaluation equipment for laboratory usage 1-30486  
 Szabo, B.A. see Babuska, I. 1-45022  
 Szabo, G. see Racz, B. 1-28753  
 Szabo, I., Zsebik, A. Heat storage in the return pipe of long-distance heat supply systems 1-43885  
 Szabo, J. see Hunyar, M. 1-44396  
 Szabo, P.P. see Vagvolgyi, J. 1-38535  
 Szabo, R., Lanc, J., Eppeldauer, G. Control of MNOS memory units on the basis of their charge storing capacity 1-40711  
 Szadzinski, L. see Antonik, A. 1-37197  
 Szajnowski, W.J. Estimation of time-varying coordinates of ion beams 1-46837  
 Szakallas, C. see Martini, T. 1-31577  
 Szalai, S. see Nagy, J. 1-36213  
 Szalay, I. Power-stage of TV transmitter equipment 1-34044  
 Szalmassy, Z. see Badics, G. 1-45998  
 Szamoskozi, Z., Vener, P. Testing of ROMs 1-40052  
 Szanto, L. Design methodology of integrated circuits 1-40628  
 Szarka, F., Lightstone, A., Hughes, R. A review of biconical taper couplers 1-28460  
 Szarka, L. see Adam, A. 1-48839  
 Szarvas, G.G., Suyderhoud, H.G. Enhancement of FDM-FM satellite capacity by use of companders 1-47577  
 Szasz, F.A. see Amin, I.A. 1-50069  
 Szatmari, S. see Racz, B. 1-28753  
 Szczepanski, J. see Konefal, T. 1-51401  
 Szczepanski, Z. Development trends in hybrid circuits 1-27728  
 Szczepbakow, A. see Karczewski, G. 1-46754  
 Szczucki, F. Automatic transportable thyristor station 1-53531  
 Szczuk, K. see Baykowski, J. 1-28088  
 Sze, D.K. see Baker, G.C. 1-35016  
 Sze, D.T. see Crauwels, G.L. 1-47676  
 Sze, S.M. Semiconductor device development in the 1970s and 1980s—a perspective 1-50896  
 Sze-Bi Hsu On a resource based ecological competition model with interference 1-50097  
 Szeci, L. see Bauer, W. 1-43110  
 Szeifert, M. Commutation improvement by auxiliary devices 1-31168  
 Szeliga, A. Measuring apparatus used in antiexplosion pressurized enclosures 1-52330  
 Szemerédi, E. see Ajtai, M. 1-39567  
 Szendrenyi, T. see Nemeth, J. 1-41963  
 Szendzielorz, A. see Piatek, B. 1-43718  
 Szente Varga, H.P., Hoegg, P. Single pressure SF<sub>6</sub> circuit breaker up to 525 kV rated voltage for interruption of extra high short-circuit currents 1-35320

- Szente-Varga, H.P.** 550 kV SF<sub>6</sub> gas-insulated switchgear for the Itaipu hydro power station 1-49594
- Szentesi, G.** The Saliut-6 universal space station 1-38544
- Szentirmai, G.** Synthesis vs. approximate design [passive filters] 1-45211
- Szentirmai, L.** New concept on teaching of basic principles of generalized electrical machine theory 1-49896
- Szentivanyi, T.** Teleinformatics 1-37684
- Szentkuti, B.** Electromagnetic compatibility-EMC 1-46960
- Szepieniec, A.A.** A graph-to-layout correspondence in single layer routing 1-27710
- Szeto, L.H.** *see* Silfvast, W.T. 1-51333
- Szeto, L.H.** *see* Wood, O.R. 1-51383
- Szeto, R., Hess, D.W.** Conduction mechanism in plasma-polymerized tetramethylsilane films 1-32718
- Szeto, R., Hess, D.W.** Correlation of chemical and electrical properties of plasma-deposited tetramethylsilane films 1-36697
- Szikora, S.** *see* Bakos, J.S. 1-46573
- Szilagy, M.** *see* Fodor, G. 1-30234
- Szklarski, L., Zajac, M., Dziadecki, A.** Problems bound with the reduction of rope oscillations when controlling hoisting machines 1-53749
- Szklarz, G.** *see* Augustin, J.E. 1-43230
- Szkudlinski, W.** Relationship for FET differential amplifier 1-27290
- Szkutnik, J.** *see* Horak, J. 1-52999
- Szmidt, J.** *see* Duszak, M. 1-46001
- Szmilewska, A.** Automatic generation of combinational unit layout 1-50512
- Szmulowicz, F., Chandler, T.C., Jr.** Proposal for a new cylindrical geometry for transverse infrared photodetectors 1-42619
- Szoke, A.** *see* Monchalín, J.-P. 1-28758
- Szoplik, T.** *see* Chalasinska-Macukow, K. 1-33289
- Szostak, D.J.** *see* Dresner, J. 1-46604
- Szostak, D.J.** *see* Goldstein, B. 1-53615
- Szpankowski, W.** *see* Zientalski, M. 1-29239
- Szpiro, O.** *see* Allen, P.H.G. 1-31285
- Szpiett, D.** *see* Sargious, M.A. 1-53741
- Szreter, M.** *see* Barycka, I. 1-27909
- Szreter, M.** *see* Halas, A. 1-32848
- Sztajer, J.** *see* Krzysztofik, W. 1-27565
- Szuhar, M.A.** Two-dimensional MOS transistor simulation 1-36642
- Szustakowski, M.** New trends in integrated optics 1-33079
- Szustakowski, M., Masternak, S.** Application of fiber optics in radiolocalization technique 1-42242
- Szweicer, T.** *see* Pawluk, K. 1-51556
- Szydło, N., Kaplan, D., Poirier, R.** Post-hydrogenation of CVD amorphous silicon: a promising preparation process for solar cells 1-50334
- Szydłowski, M.** *see* Lenarczyk, J. 1-44038
- Szyke, J.** About the regional organization of the power system management 1-38641
- Szymanska, W.** *see* Dubowski, J.J. 1-40404
- Szymanski, M., Karolczak, J., Kaczmarek, F.** Temporal studies of intensity dependent laser and spontaneous emission in NdLaP<sub>5</sub>O<sub>14</sub> monocrytals 1-51407
- Szymanski, S.** The capacity factor of transformers supplying urban communal consumers 1-39024
- Szymczak, J.** TELZES 2/5 series telephone sets 1-33854
- T. Chang Zung** *see* Zung T. Chang
- \*t Hooft, G.W.** The radiative recombination coefficient of GaAs from laser delay measurements and effective nonradiative carrier lifetimes 1-51446
- \*t Veld, S.H.K.** *in see* in \*t Veld, S.H.K.
- Tabaddor, F., Stafford, J.R.** Nonlinear vibration of cord-reinforced composite shells 1-39718
- Tabaka, A.** *see* Czarnota, I. 1-52564
- Tabakova, V.** Spectral study on indium-doped barium dichloride single crystals 1-37024
- Tabarnyi, V.G., Mironchenko, V.A., Lobak, M.I.** Features of using peripherals for automated design of integrated circuits 1-50984
- Tabarov, T.S.** *see* Andreev, V.M. 1-28552
- Tabarovskii, L.A.** Physical principles for geometric focusing in induction logging by transverse dipoles 1-38578
- Tabata, J.** *see* Kaneko, N. 1-52539
- Tabata, N.** *see* Yagi, S. 1-46700
- Tabata, O.** *see* Toyama, J. 1-43357
- Tabata, S.** *see* Nagami, K. 1-49610
- Tabata, Y.** *see* Ueguri, S. 1-44551
- Tabatabai, A.J.** *see* Mitchell, R.O. 1-37572
- Tabatabaie, N.** *see* Tashima, M.M. 1-45921
- Tabatabaie-Alavi, K., Perea, E.H., Fonstad, C.G.** Nearly equilibrium growth of In<sub>1-x</sub>Ga<sub>x</sub>As<sub>1-y</sub>P<sub>y</sub> (0≤y≤1) lattice-matched to (100) InP 1-39804
- Tabbara, W.** Reconstruction of perfectly conducting bodies of simple shape 1-51577
- Tabbara, W.** *see* Bolomey, J.-C. 1-41203
- Tabbe, M., Arai, K., Nakamura, H.** Effect of growth temperature on Si MBE film 1-32064
- Taber, L.** Digital phase error detector 1-47126
- Tabeta, M.** *see* Haneishi, M.N. 1-47055
- Tabiryan, N.V., Zel'Dovich, B.Ya.** The orientational optical non-linearity of liquid crystals. I. Nematics 1-37211
- Tabiryan, N.V.** *see* Garibyan, O.V. 1-46589
- Tabiryan, N.V.** *see* Pilipetski, N.F. 1-41141
- Taboada, J.** *see* Venable, D.D. 1-46774
- Tabock, J.** *see* Sickafus, E.N. 1-27167
- Tabors, R.D., Finger, S., Cox, A.J.** Economic operation of distributed power systems within an electric utility 1-53008
- Tabrizi, M.** *see* Owen, E.W. 1-36143
- Tabuchi, T.** *see* Hikita, M. 1-36785
- Tacer, E.** The new parameters and minimum realization of double excited synchronous machine 1-49438
- Tachi, S.** *see* Tokuyama, T. 1-35955
- Tachi, S.I., Miyake, K., Tokuyama, T.** Chemical and physical sputtering in F<sup>+</sup> ion beam etching of Si 1-46072
- Tachi, T.** *see* Maeda, M. 1-43372
- Tachibana, M.** *see* Ito, Y. 1-27390
- Tachibana, M.** *see* Kanada, H. 1-36211
- Tachibana, M.** *see* Sato, K. 1-46338
- Tachibana, M.** *see* Tanaka, C. 1-46266
- Tachigami, S.** *see* Ogai, M. 1-36944
- Tachikawa, K.** *see* Imura, O. 1-29312
- Tachikawa, K.** *see* Inoue, K. 1-40844
- Tachikawa, K.** *see* Sekine, H. 1-32989
- Tachikawa, K.** *see* Sharma, R.G. 1-32990
- Tachikawa, K.** *see* Togano, K. 1-28298
- Tachikawa, Y., Ohnishi, K., Fujii, Y., Nagata, Y.** Digital transmission experiment using LED and PIN-PD arrays 1-52105
- Tachikura, M.** Fusion mass-splicing for optical fibres by discharge heating 1-51171
- Tada, A., Kawakami, A., Miyazima, T., Nakagawa, T., Yamanaka, K.-i., Ohtaki, K.** 4 kV, 1500 A light triggered thyristor 1-40572
- Tada, A., Nakagawa, T.** The influence of boron concentration in p-emitter region on characteristics of a thyristor 1-46125
- Tada, E.** *see* Shimamoto, S. 1-28369, 1-51118
- Tada, K.** *see* Yamaguchi, T. 1-37236
- Tada, O.** *see* Tominaga, K. 1-27148
- Tadano, H.** *see* Nishizawa, J. 1-40397
- Taddei, A.** *see* Macerata, A. 1-30463
- Taddei, A.** *see* Marchesi, C. 1-48739
- Tadeusiewicz, M.** A-stable algorithms for solving dynamic networks 1-27209
- Tadeusiewicz, M.** On the solvability and computation of DC transistor networks 1-45224
- Tadiini, P.** A simple pulse generator 1-50461
- Tadokoro, Y., Higuchi, T.** Another discrete Fourier transform computation with small multiplications via the Walsh transform 1-37617
- Tadokoro, Y., Koyama, K., Higuchi, T.** A measurement system for magnetic characteristics based on a microcomputer (experimental examination of the hysteresis loop measurement) 1-34186
- Taev, I.S., Kuznetsov, V.N.** On the choice of lead time for the opening of contacts of low-voltage synchronous apparatus 1-49611
- Taev, I.S., Namitokov, K.K., Akimov, E.G.** A synchronous contactor 1-35276
- Taft, E.A.** *see* Shoch, J.F. 1-51957
- Tag, I.A.** *see* Manson, E.J. 1-53648
- Taga, A.** *see* Takagi, H. 1-49813
- Taga, Y.** *see* Yoshida, N. 1-49819
- Tagaki, N.** *see* Shirasaki, M. 1-40977
- Tagami, M.** *see* Ohkubo, M. 1-48038
- Taghizadeh, M.R.** *see* Gupta, P.K. 1-46671
- Taghizadeh, M.R.** *see* Harrison, R.G. 1-51393
- Tagiev, B.G., Mustafaeva, S.N., Ibragimova, E.N.** Current relaxation in Ga<sub>2</sub>Se<sub>3</sub> amorphous films 1-40419
- Tagiev, B.G.** *see* Abdullaev, G.B. 1-32723
- Tagiev, B.G.** *see* Aliev, I.M. 1-33104
- Tagiev, B.G.** *see* Bagir-zade, E.F. 1-37013, 1-40990
- Tagiev, B.G.** *see* Bagirzade, E.F. 1-46615
- Tagirov, V.I.** *see* Abdullaev, G.B. 1-33116, 1-37010
- Tagirov, V.I.** *see* Aliev, A.O. 1-40433
- Tagirov, V.I.** *see* Ismailov, I.M. 1-32669
- Tagirov, V.I.** *see* Kyzym-Zade, A.G. 1-50827
- Taglietti, V.** *see* Tanzi, F. 1-30439
- Taguchi, K., Sao, K.** Fluctuations of Decca hyperbolae influenced by meteorology 1-42355
- Taguchi, K., Sao, K.** Errors of hyperbolae of Decca Navigator System due to metal work of a ship's hull 1-42356
- Taguchi, K.** *see* Matsushima, H. 1-34156
- Taguchi, M.** *see* Koga, H. 1-33387, 1-47511
- Taguchi, T., Mima, K., Mochizuki, T.** Saturation mechanism and improvement of conversion efficiency of the free-electron laser 1-28611
- Taguchi, T., Mima, K., Mochizuki, T.** Quasi-linear saturation in free electron lasers 1-37049
- Taguchi, T., Mima, K., Mochizuki, T.** Nonlinear effects and conversion efficiency of free electron laser in Compton regime 1-41042
- Tague, J.** The success-breeds-success phenomenon and bibliometric processes 1-44867
- Taguena-Martinez, J.** *see* Myszkowski, A. 1-53629
- Tahir, M.B.** *see* Mohan, C. 1-32017
- Tahira, K.** *see* Fukatsu, T. 1-40998, 1-40999
- Tahira, K.** *see* Sasaki, M. 1-41000
- Tai, A.** Design concept for an optical numerical computer based on the residue number system 1-30054
- Tai, A., Chen, Kh., Yu, F.** Single-step white-light holography and holographic interferometry 1-41150
- Tai, A., Yu, F.** Wide bandwidth spectral analysis of signals using silhouette recording 1-41791
- Tai, A.** *see* Cindrich, I. 1-51827
- Tai, I., Shirayama, S., Horiguchi, N.** Neutron detector development 1-49246
- Tai, K.C.** A review of technical education trend in Malaysia; 1956 to 1980 1-26806
- Tai, S.** *see* Kyuma, K. 1-51540
- Tai Tsun Wu** *see* King, R.W.P. 1-37324
- Tai-Jin Kim, Firouztale, E., Ultman, J.S.** Simultaneous measurement of liquid velocity and oxygen tension with catheter-tip electrodes—the dual cathode polarographic method 1-30442
- Tai-qian Dong** *see* Dong Tai-qian
- Tai-Yang Hwang** A relation between the row weight and column weight distributions of a matrix 1-37417
- Tai-Yi Huang** *see* Huang Tai-Yi
- Taimr, V.** *see* Pasek, Z. 1-49598
- Taiocchi, G.** *see* Guazzoni, P. 1-48643
- Taira, K.** *see* Kasahara, J. 1-51014
- Taira, Y.** *see* Suzuki, T. 1-33195
- Tairov, Yu.M., Tsvetkov, V.F.** General principles of growing large-size single crystals of various silicon carbide polytypes 1-35934
- Tait, B.L.** *see* Baker, C. 1-51358
- Tait, N.R.S.** A review of the performance and physical characteristics of carbon stripper foils made by the glow discharge process 1-43129
- Tait, N.R.S.** *see* Sofield, C.J. 1-52629
- Taiuti, M.** *see* Corvisiero, P. 1-48600
- Taiuti, S.** *see* Capellini, V. 1-37574
- Tajima, J.** *see* Kawakami, A. 1-39849
- Tajima, T., Dawson, J.M.** Laser beat accelerator 1-48299
- Tajima, T.** *see* Murakami, H. 1-34086
- Tajima, Y.** *see* Vorhaus, J.L. 1-32217
- Tak-shing P. Yum** The design and analysis of a semidynamic deterministic routing rule 1-33703
- Tak-shing P. Yum, Schwartz, M.** The joint-biased-queue rule and its application to routing in computer communication networks 1-33704
- Taka, S.** *see* Inada, T. 1-36563, 1-40509, 1-50874
- Takaba, T.** *see* Takahara, M. 1-46457
- Takacs, J.** *see* Barratt, P.J.S.B. 1-43124
- Takacs, P.Z.** *see* Blewett, J.P. 1-51299
- Takacs, S.** *see* Kovacs, G. 1-53445
- Takacs Judit** *see* Judit Takacs
- Takada, A.** *see* Ohyama, T. 1-47421
- Takada, J.** *see* Iwata, S. 1-30350
- Takada, S.** *see* Shinoki, F. 1-32994
- Takada, T., Toriyama, Y., Sakai, T.** Detection of electric field at the interface of dielectrics and electrode by measuring electric stress 1-30222
- Takagi, A.** *see* Fukumoto, S. 1-43049
- Takagi, A.** *see* Mori, Y. 1-43151, 1-43186
- Takagi, H., Taga, A.** Multiple control system with microcomputer for air-to-water heat pump chillers 1-49813
- Takagi, H.** *see* Nishiya, K. 1-38648
- Takagi, J.** The image of nonlinear problems 1-49854
- Takagi, K.** Application of the theory of communications traffic. IV. Applications to switching network design 1-29238
- Takagi, K.** *see* Shimodaira, M. 1-31427
- Takagi, M.** *see* Ogura, M. 1-41033
- Takagi, M.** *see* Sakaue, K. 1-41797
- Takagi, N.** *see* Ishikawa, H. 1-41092
- Takagi, N.** *see* Shirasaki, M. 1-47695
- Takagi, T.** Ion sources for microfabrication 1-50695
- Takagi, T., Yamada, I., Takaoka, H.** Film formation technique by ionized-cluster beam 1-45125
- Takagi, T., Yamakoshi, Y., Baba, J., Uemura, K., Sakaguchi, T.** A new algorithm of an accurate fault location for EHV/UHV transmission lines. I. Fourier transformation method 1-30826
- Takagi, T., Yamakoshi, Y., Baba, J., Uemura, K., Sakaguchi, T.** A new algorithm of an accurate fault location for EHV/UHV transmission lines. I. Fourier transformation method 1-34963
- Takagi, T.** *see* Furuya, T. 1-43101
- Takagi, T.** *see* Kishimoto, Y. 1-42083
- Takagi, T.** *see* Nakano, T. 1-42450
- Takagi, T.** *see* Sone, H. 1-38160
- Takagi, Y., Sumitani, M., Yoshihara, K.** High-speed image processor for picosecond time-resolved spectroscopy 1-47207
- Takahara, M., Izumi, K., Takaba, T.** Rotating field coil design method for magnetic bubble memory 1-46457
- Takahara, M.** *see* Amemiya, M. 1-32325
- Takahashi, E.** *see* Mizuno, T. 1-29539

- Takahashi, F.**, Kawano, N., Koike, K. Axle drive correction of azimuth style large antennae 1-51685
- Takahashi, H.** Losslessness and passivity in nonlinear n-ports theory 1-45228
- Takahashi, H.**, Kakinuma, Y., Uchida, K., Mochizuki, S., Ito, H., Iwahashi, T. Experimental packet communication system via K-band Japanese communication satellite 1-47600
- Takahashi, H.**, Matsuda, K., Hosoba, M. Trends in Hitachi air conditioning and refrigerating equipment 1-49818
- Takahashi, H.** see Akimaru, H. 1-47319
- Takahashi, H.** see Honma, T. 1-31688
- Takahashi, H.** see Iwahana, T. 1-44431
- Takahashi, H.** see Ozawa, T. 1-44934
- Takahashi, I.**, Nakatani, Y., Ohsako, S. Signal transfer equipment in FICS-1 STOC [facsimile] 1-33766
- Takahashi, I.** see Adachi, T. 1-33772
- Takahashi, I.** see Hanabe, K. 1-33765
- Takahashi, K.** Creating sensors to surpass our human abilities 1-30070
- Takahashi, K.** Photovoltaic solar energy generators 1-35361
- Takahashi, K.** Collision between satellites in stationary orbits 1-48773
- Takahashi, K.**, Miyazaki, M., Hori, T. Magnetic field analysis by finite method element method [application to loudspeakers] 1-34367
- Takahashi, K.** see Kitagawa, F. 1-27132
- Takahashi, K.** see Morimoto, M. 1-40050
- Takahashi, K.** see Nagai, S. 1-33149
- Takahashi, K.** see Naruse, M. 1-37911
- Takahashi, K.** see Sugimoto, M. 1-39118
- Takahashi, M.**, Araki, K., Yamamoto, Y., Ikeda, M., Matsui, Y. LANDSAT image data recording system 1-43423
- Takahashi, M.**, Araki, K., Yamamoto, Y., Ohta, H., Ihara, H. LANDSAT Image Data Processing System 1-43424
- Takahashi, M.**, Makino, K., Sato, T., Fujisaki, H. Crystal growth of CdS, ZnS using induction furnace 1-50274
- Takahashi, M.**, Yanaka, M., Fushimi, H., Maeda, M., Kashio, J., Mitsuoka, H. Optical fiber data freeway system—a loop network for distributed computer control 1-33991
- Takahashi, M.** see Akiyama, S. 1-43287
- Takahashi, M.** see Hirabayashi, T. 1-43949
- Takahashi, M.** see Ogawa, K. 1-27393
- Takahashi, M.** see Watanabe, M. 1-38954
- Takahashi, N.** see Sugiyama, S. 1-30264
- Takahashi, N.** see Watanabe, M. 1-38954
- Takahashi, O.** see Lio, K. 1-44514
- Takahashi, O.** see Yoshida, N. 1-49819
- Takahashi, R.** Planning and experimentation for an operational broadcasting satellite for Japan 1-29856
- Takahashi, S.**, Koura, N. Al/FeS<sub>2</sub> secondary cells using organic electrolytes 1-35343
- Takahashi, S.**, Shimokawa, O., Inoue, H., Uehara, K., Hirose, T., Kikuyama, A. A liquid crystal display panel using polymer films 1-52544
- Takahashi, S.** see Edahiro, T. 1-36903
- Takahashi, S.** see Kawakami, A. 1-39849
- Takahashi, S.** see Nakamura, T. 1-28098
- Takahashi, S.** see Shibata, S. 1-27182
- Takahashi, S.** see Yamaguchi, K. 1-32822, 1-40592
- Takahashi, T.** The present state and future development of NTT's data communication services 1-29286
- Takahashi, T.** Two types of drift mobilities in amorphous Se-Bi and Se-As-Te-Bi systems 1-50800
- Takahashi, T.**, Itoh, H., Kuroda, M. Structure and properties of CVD-BN thick film prepared on carbon steel substrate 1-35968
- Takahashi, T.**, Takeda, F., Mori, T. Crystal structure of AlN films fabricated on stainless steel substrate by reactive sputtering 1-39818
- Takahashi, T.**, Yamada, O. Electrical switching in cadmium borate single crystals 1-39072
- Takahashi, T.** see Komatsu, M. 1-38320
- Takahashi, T.** see Minemoto, T. 1-51245
- Takahashi, T.** see Takeda, F. 1-27149
- Takahashi, T.** see Yamashita, Y. 1-43358
- Takahashi, Y.**, Ito, T., Oizumi, T., Nakayama, T. A numerically controlled electrical-discharge machine with planetary-motion capabilities 1-44549
- Takahashi, Y.**, Uchida, T., Wada, M. The effect of various parameters on TN-LCDs 1-52534
- Takahashi, Y.** see Ito, Y. 1-27391
- Takahashi, Y.** see Ogasawara, T. 1-28294, 1-28366
- Takahashi, Y.** see Okutsu, N. 1-44278
- Takahashi, Y.** see Shimamoto, S. 1-28369, 1-51118
- Takahashi, Y.** see Takasaki, Y. 1-42247
- Takahashi Shin-ichi** see Shin-ichi Takahashi
- Takahei, K.**, Nagai, H. LPE growth of 1.5-1.6  $\mu\text{m}$   $\text{In}_{1-x}\text{Ga}_x\text{As}_{1-y}\text{P}_y$  crystals by a modified source-seed method 1-27125
- Takahei, K.**, Nagai, H. Instability of In-Ga-As-P liquid solution during low temperature LPE of  $\text{In}_{1-x}\text{Ga}_x\text{As}_{1-y}\text{P}_y$  on InP 1-32068
- Takahei, K.** see Ishikawa, H. 1-41086
- Takahei, K.** see Kawaguchi, H. 1-33236, 1-46722
- Takahei, K.** see Nakano, Y. 1-50286, 1-51453
- Takahei, K.** see Suzuki, Y. 1-28720
- Takahei, K.** see Tokunaga, M. 1-28713
- Takai, A.** see Hagiwara, Y. 1-27475
- Takai, M.**, Tsou, S.C., Tsien, P.H., Roschenthaler, D., Ryssel, H. Nd:YAG laser annealing of gallium-implanted silicon 1-32753
- Takai, M.** see Tsien, P.H. 1-27929
- Takai, N.**, Iwai, T., Asakura, T. Laser speckle velocimeter using a zero-crossing technique for spatially integrated intensity fluctuation 1-37242
- Takai, S.**, Mishima, T., Sakuraba, I. Impulse response of a contradirectional coupler 1-46544
- Takai, Y.** see Ieda, M. 1-32919
- Takaji, H.** see Endo, Y. 1-52382
- Takakubo, Y.** see Mayata, T. 1-45588
- Takakuwa, E.**, Yasoshima, S., Yamazaki, T. Question-answer service to all member physicians with telephone-fax operated by the Hokkaido Medical Association 1-47362
- Takakuwa, S.** Crystal clock oscillators are indispensable for digital equipment age 1-39970
- Takami, A.** see Nakaoka, M. 1-32163
- Takami, I.**, Sakino, E. Reliability of abnormality detecting sensor systems 1-26972
- Takami, K.** see Watanabe, M. 1-42822
- Takami, N.** Ash handling system for coal-fired power plants 1-43893
- Takamiya, S.** see Nagai, S. 1-33149
- Takamiya, S.** see Susaki, W. 1-46743
- Takamizawa, H.**, Utsumi, K., Yonezawa, M., Ohno, T. Large capacitance multilayer ceramic capacitor 1-45721
- Takamizawa, K.**, Nishizeki, T., Saito, N. Combinatorial problems on series-parallel graphs 1-27000
- Takamo, M.** see Kitada, K. 1-52418
- Takamura, M.** see Tsukui, T. 1-31162
- Takanaka, M.** see Katayama, T. 1-48382
- Takanaka, M.** see Noda, A. 1-43038
- Takanashi, H.**, Dazai, K., Fujimoto, M. Progress of optical devices for transmission in the longer wavelength region 1-29769
- Takanashi, H.**, Kunita, M. Photodetectors and fiber optics 1-37905
- Takanashi, Y.**, Horikoshi, Y. Required donor density of epitaxial layers for Al<sub>0.5</sub>Ga<sub>0.5</sub>Sb avalanche photodiodes 1-46642
- Takanashi, Y.**, Horikoshi, Y. InGaAs/InGaAsP avalanche photodiodes and analysis of internal quantum efficiency 1-46643
- Takano, E.** see Shioya, H. 1-37881
- Takano, H.** see Kumamoto, T. 1-29403
- Takano, S.** see Masugata, K. 1-43192
- Takano, S.** see Satoh, S. 1-46315
- Takano, T.** see Nagata, K. 1-26951
- Takano, T.** see Yamada, T. 1-33404
- Takao, K.**, Kawamura, O., Komiyama, K., Hashimoto, K., Kimura, I. Experiment of a hybrid-type implementation of an adaptive array under directional constraint 1-37378
- Takao, K.** see Hashimoto, K. 1-41408
- Takaoka, H.** see Fujioka, H. 1-45402
- Takaoka, H.** see Takagi, T. 1-45125
- Takaoka, M.** see Sakamoto, Y. 1-34885, 1-43696
- Takasago, H.**, Katayama, T. New photocouplers for general purposes 1-41018
- Takasaki, E.** see Fukumoto, S. 1-43049
- Takasaki, E.** see Kato, T. 1-48435
- Takasaki, M.** see Ikeda, H. 1-42966, 1-42967
- Takasaki, M.** see Ninomiya, S. 1-48464
- Takasaki, Y.**, Tanaka, M., Nagano, K., Takahashi, Y. Fundamental properties of asynchronous multiplexing for fiber optic adaptive digital transmission 1-42247
- Takase, F.** see Kuramitsu, M. 1-45325
- Takase, I.** see Akaia, Y. 1-47564
- Takase, M.** see Yamamura, S. 1-45661
- Takashi, S.** see Hosoba, M. 1-43326
- Takashima, H.**, Uematsu, H., Sekiguchi, A., Sato, M., Iijima, Y., Okuyama, K., Yano, K., Furuya, S., Kazuki, T., Kajita, Y. Video Information Control Cable Burying System 1-37853
- Takashima, H.** see Iwasaki, M. 1-42239
- Takashima, T.**, Nakae, T., Ishibashi, R. High frequency characteristics of impedances to ground and field distributions of ground electrodes 1-38812
- Takashima, T.**, Nakae, T., Ishibashi, R. High frequency characteristics of impedances to ground and field distributions of ground electrodes 1-38819
- Takasu, K.**, Goto, T., Hattori, S. Excitation mechanism to the upper state of the Zn II 589.4 nm laser line in the positive column 1-37072
- Takasu, S.I.**, Otsuka, H., Yoshihiro, N., Oku, T. Wafer Bow and Warpage 1-40489
- Takata, H.**, Murata, H., Kurauchi, N., Inada, K. Review of VAD fiber performance and processing 1-46547
- Takata, H.** see Horiguchi, M. 1-33065
- Takata, K.**, Inagaki, S., Nakanishi, H., Kitagawa, K., Ishimaru, H., Yamazaki, Y., Grand, P. Disk and washer structure for an electron storage ring 1-48337
- Takata, K.** see Tanaka, J. 1-48571
- Takata, K.** see Yamazaki, Y. 1-48348
- Takata, M.** see Yanagida, H. 1-27172
- Takata, S.** see Ueda, R. 1-34769, 1-43531
- Takata, Y.** see Itoga, M. 1-52254
- Takatani, O.** see Akatsuka, T. 1-30433
- Takato, N.**, Kurokawa, T., Katayama, Y. Tapered fiber-optic sheet formation and its image-guiding properties 1-33025
- Takatsuki, H.** see Sakabe, S. 1-35179
- Takatsuki, T.** see Kato, M. 1-41868
- Takawashi, T.** see Sakaguchi, T. 1-44550
- Takayama, S.** see Hiramatsu, T. 1-27880
- Takayama, T.** see Sone, J. 1-27616
- Takayama, Y.** see Honjo, K. 1-36104, 1-40232
- Takayanagi, H.** see Nagata, K. 1-28327, 1-51018
- Takechi, M.** see Shibuya, Y. 1-35111
- Takeda, F.**, Mori, T., Takahashi, T. Effect of hydrogen gas on c-axis oriented AlN films prepared by reactive magnetron sputtering 1-27149
- Takeda, F.** see Takahashi, T. 1-39818
- Takeda, H.**, Nishida, H., Onuki, M., Ishikawa, K. FICS-1 switching system 1-33761
- Takeda, H.** see Fenster, S. 1-43027
- Takeda, H.** see Kamae, T. 1-33760
- Takeda, H.** see Yanglai Cho 1-48380, 1-48381
- Takeda, K.**, Kimura, N. Portable digital multimeter and thermometer 1-42656
- Takeda, K.** see Masuda, K. 1-31722
- Takeda, K.** see Nakano, K. 1-27159
- Takeda, K.** see Togashi, J. 1-27160
- Takeda, M.**, Kanatani, Y., Kishishita, H., Inoguchi, T., Okano, K. Practical application technologies of thin-film electroluminescent panels [with MOS IC drive electronics] 1-41028
- Takeda, M.** see Kayanuma, A. 1-29940
- Takeda, N.** see Izumi, T. 1-52949
- Takeda, R.** see Izumi, M. 1-43877
- Takeda, S.** Capacitive humidity element using polystyrene thin films formed by plasma polymerization 1-48051
- Takeda, S.**, Yoda, H., Utsumi, T. Cloud region identification by adaptive thresholding 1-33650
- Takeda, S.** see Ikeda, H. 1-42967
- Takeda, S.** see Kasuga, T. 1-48446
- Takeda, S.** see Obata, Y. 1-34775
- Takeda, T.** see Murakami, K. 1-53219
- Takeda, Y.**, Kanno, R., Yamamoto, O., Rama Mohan, T.R., Chia-Hao Lee, Kroger, F.A. Cathodic deposition of amorphous silicon from tetraethylorthosilicate in organic solvents 1-50762
- Takeda, Y.**, Littlejohn, M.A., Hauser, J.R. Electron Hall mobility calculations and alloy scattering in  $\text{Ga}_{0.47}\text{In}_{0.53}\text{As}$  1-40391
- Takeda, Y.**, Littlejohn, M.A., Hutchby, J.A., Trew, R.J. Electron concentration and alloy composition dependence of Hall factor in  $\text{Ga}_{1-x}\text{In}_x\text{As}_{1-y}\text{P}_y$  1-50774
- Takeda, Y.**, Pearsall, T.P. Failure of Matthiessen's rule in the calculation of carrier mobility and alloy scattering effects in  $\text{Ga}_{0.47}\text{In}_{0.53}\text{As}$  1-45924
- Takeda, Y.**, Sasaki, A. Low EPD and high avalanche multiplication of lattice-mismatched  $\text{In}_{0.52}\text{Ga}_{0.48}\text{As}$  on InP substrate [photodiodes] 1-45929
- Takeda, Y.** see Iwata, A. 1-35196
- Takeda, Y.** see Mochui, K. 1-40490
- Takeda, Y.** see Ooishi, A. 1-41101
- Takegahara, K.** see Kasaya, M. 1-27844
- Takeguchi, Y.** see Goshima, S. 1-47930
- Takehana, Y.**, Miyauchi, K., Tsuruta, K., Tsuboi, K. A saturation velocity magnetic sensor 1-30112
- Takei, T.**, Miyake, Y., Saito, M., Suganuma, R., Adachi, A. Video- and digital-signal multiplex transmission by optical-wavelength-division multiplexing 1-52114
- Takei, T.** see Kondo, S. 1-52109
- Takekawa, Y.** see Tani, C. 1-46587
- Takekoshi, Y.**, Sasahara, H., Watanabe, M., Kanazawa, S., Futami, T., Yano, T., Muto, H. Mass production of pole electromechanical channel filter 1-45446
- Takemori, E.** see Matsuda, J. 1-51914
- Takemori, E.J.** see Matsuda, J. 1-47326
- Takemoto, T.** see Fujita, T. 1-46286
- Takemura, T.**, Izaki, K., Tohyama, K., Furukawa, Y. Microprocessor's application for electric power system equipment 1-30609
- Takenaka, A.**, Hamada, N. Sensitivity calculation algorithm in the time domain based on the state-variable method 1-32132
- Takenaka, E.** see Honma, K. 1-48688
- Takenaka, K.** see Hariu, T. 1-50330
- Takenaka, T.**, Yoshida, Y., Saito, J., Watanabe, N. Considerations of a multi-address message delivery system consisting of multiple centers 1-47318
- Takenaka, T.** see Fukumoto, S. 1-43049
- Takenoshita, H.**, Nakau, T. The Hall measurement of heat-treated  $\text{CuInSe}_2$  1-45960

- Takeshima, A.** *see* Tsuchiya, Y. 1-41098
- Takeshima, M.,** Ishida, Y. Aging characteristics of coated optical fibers at high temperature 1-28453
- Takeshima, M.,** Ishida, Y., Yamanishi, T. Aging characteristics of coated optical fibers at high temperature 1-46543
- Takeuchi, F.,** Okazaki, A., Kawasaki, K., Yamada, H. On the crosstalk in direct-driving of large area TN-LCDs 1-52533
- Takeuchi, H.** *see* Ito, Y. 1-32945, 1-51049
- Takeuchi, H.** *see* Jyomura, S. 1-51048
- Takeuchi, I.** Technical progress in video cassette tape recorder 1-47815
- Takeuchi, K.** *see* Murota, K. 1-35738
- Takeuchi, M.,** Igarashi, I. Magnetic sensors for automotive electronics 1-39186
- Takeuchi, M.,** Sakakibara, I., Kase, I., Ohnishi, M. Traffic congestion control system in the commercial test phase and its improvement 1-42022
- Takeuchi, M.,** Shimizu, H. Theoretical analysis of grating couplers for surface acoustic waves 1-28209
- Takeuchi, M.** *see* Izumi, K. 1-51912
- Takeuchi, M.** *see* Kishi, G. 1-31986, 1-35822
- Takeuchi, N.** *see* Shimizu, H. 1-42710
- Takeuchi, S.** *see* Usujima, A. 1-45961
- Takeuchi, T.** *see* Goto, H. 1-29574
- Takeuchi, U.** *see* Sumiyoshi, M. 1-38318
- Takeuchi, Y.** *see* Hiramatsu, T. 1-27880
- Takeuchi, Y.** *see* Hosokawa, T. 1-28849
- Takeuchi, Y.** *see* Kumagi, N. 1-52645
- Takeuchi, Y.** *see* Ninomiya, S. 1-48464
- Takeuchi, F.** *see* Kuroda, K. 1-38436
- Takeuti, Y.** *see* Noguchi, T. 1-32999
- Takeya, Y.** *see* Minami, S. 1-48855
- Takeyama, S.** *see* Narita, S. 1-46161, 1-46162
- Takhirov, A.** Joint distributions of certain characteristics of a single-line queueing system with bounded queue 1-44802
- Taki, K.** *see* Miyazaki, Y. 1-40978
- Takiguchi, K.** *see* Furuta, T. 1-30608
- Takikawa, K.** 6.3 Mbit/s color TV CODEC using dot-interlace 1-47805
- Takikawa, M.,** Ikoma, T. Photo-excited DLTS: measurement of minority carrier traps 1-32656
- Takimoto, H.** *see* Mukunashi, H. 1-37914
- Takita, I.** *see* Watanabe, K. 1-52060
- Takiyama, K.** *see* Tsuji, M. 1-40205
- Takizawa, K.** Fresnel light modulator with an array of channel waveguides 1-40966
- Takizawa, K.** *see* Okada, M. 1-33083
- Takleh, O.** *see* Abbasi, S.A. 1-45900
- Tako, T.** *see* Siio, I. 1-42531, 1-46682
- Tako, T.** *see* Tsuchida, H. 1-46745
- Takuma, H.** *see* Suzuki, R. 1-29186
- Takusagawa, M.** Long-wavelength lasers 1-37165
- Takusagawa, M.** *see* Hanamitsu, K. 1-41088, 1-51436
- Takusagawa, M.** *see* Imai, H. 1-51458
- Takusagawa, M.** *see* Ishikawa, H. 1-41086, 1-41092, 1-46724
- Takusagawa, M.** *see* Shima, K. 1-33223
- Takusagawa, M.** *see* Yano, M. 1-37106, 1-51459
- Tal-Ezer, H.** *see* Harten, A. 1-39699
- Tala, N.S.** *see* Milto, A.A. 1-37240
- Talalaev, G.A.** Methodic error in measuring force with a group of parallel-loaded transducers 1-34169
- Talbert, W.L., Jr.,** Sawyer, G.A. Accelerator development for heavy ion fusion 1-38326
- Talbot, A.** *see* Kader, A. 1-45171
- Talbot, D.B.** Ultra-high-performance amplitude and frequency modulation and demodulation 1-47107
- Taler, J.** Temperature distribution modelling in boiler membrane walls 1-38897
- Talisa, S.H.,** Bolle, D.M. Performance characteristics of magnetoplasmon based submillimeter wave nonreciprocal devices 1-45675
- Talkhan, E.A.** Compensation of the switched-capacitor integrator 1-45239
- Tallant, D.** Fanning the cost of energy [space heating] 1-39218
- Tallerico, P.J.** Status of the Los Alamos gyrocon 1-43074
- Tallerico, P.J.** *see* Hoeberling, R.F. 1-48279
- Tallerico, P.J.** *see* Penner, S. 1-38340, 1-42871
- Talman, R.** *see* Billing, M. 1-42862
- Talman, R.** *see* Ehrlich, R. 1-34428
- Talman, R.** *see* Peggs, S. 1-48519
- Talman, R.** *see* Rice, D. 1-42989
- Talman, R.** *see* Seeman, J. 1-43023
- Talmon, J.L.,** Hasman, A. An evaluation of algorithms for QRS-typification 1-43355
- Talmon, J.L.** *see* van Lingene, A. 1-52788
- Talou, J.C.** *see* Ferrer, M. 1-51552
- Talpey, T.E.** *see* Francis, S.H. 1-47516
- Talukdar, S.N.,** Giras, T.C., Kalyan, V. Barrier functions for design centering and security enhancement [power systems] 1-48977
- Talukdar, S.N.,** Kalyan, V., McNitt, M. Models for assessing energy management options 1-34768
- Talukdar, S.N.** *see* Giras, T.C. 1-30690
- Taiwai, A.S.** *see* Raju, T.A. 1-50839
- Talykov, V.A.,** Chernichkina, A.S., Shagalov, S.B. Choosing optimal hardening conditions for silicone compounds 1-32913
- Talyzin, N.V.** *see* Kantor, I.Ya. 1-37884
- Tam, K.C.,** Perez-Mendez, V. Limits to image reconstruction from restricted angular input 1-33603
- Tam, K.Y.,** Steckl, A.J. Integrated PbS-Si IR detector read-out 1-38201
- Tamagawa, K.** *see* Miyata, T. 1-45586
- Tamain, J.C.** *see* Alard, J.P. 1-52717
- Tamaki, K.** Comments on an isomorphism between crossed products of von Neumann algebras by finite groups 1-44926
- Tamaki, Y.,** Isomae, S., Mizuo, S., Higuchi, H. Evaluation of dislocation generation at Si<sub>3</sub>N<sub>4</sub> film edges on silicon substrates by selective oxidation 1-32767
- Tamama, T.,** Sakaue, M., Mizushima, Y. 'Bipolar-mode' transistors on a voltage-controlled scheme 1-40584
- Tamama, T.** *see* Sakaue, M. 1-38130
- Tamamoto, H.,** Narita, Y. Analysis of fault detection probabilities of logic circuits in case of applying randomly-generated input signals 1-40062
- Tamamura, T.** *see* Beaumont, S.P. 1-36544
- Tamari, N.,** Ballman, A.A. Low threshold current density InGaAsP/InP lasers grown in a vertical liquid phase epitaxial system 1-51440
- Tamari, N.** *see* Eger, D. 1-27852
- Tamari, N.** *see* Zemel, A. 1-36495
- Tamaru, T.** *see* Segawa, T. 1-31010
- Tamati, T.** *see* Kawaguchi, E.W. 1-34716
- Tamburello, M.** *see* Osterfield, J.R. 1-33984
- Tamendarov, M.F.** *see* Mukashev, B.N. 1-32624
- Tamesada, T.** Sequential machines having quasi-state states and their state reduction 1-40060
- Tamilarasam, R.,** Natarajan, P. Photovoltaic conversion by macromolecular thionine films 1-46645
- Tamir, M.,** Halavee, U., Azoulay, E. Power fluctuations caused by laser beam wandering and shift 1-28757
- Tamir, T.** Guided-wave methods for optical configurations 1-46498
- Tamm, L.L.,** Huntzinger, B.C. Sound barrier solves transformer noise complaint 1-35233
- Tamonis, M.M.** *see* Gerashchenko, O.A. 1-42625
- Tamori, M.,** Kawai, K. Syntheses of arbitrary frequency characteristics based on the sampling function 1-40085
- Tamoshynas, S.I.** *see* Kulemin, L.G. 1-42711
- Tamura, A.** *see* Shirafuji, J. 1-50776
- Tamura, F.** An experimental study on detection impedance of the pacemaker electrodes 1-30476
- Tamura, H.** *see* Kaneko, M. 1-41796
- Tamura, H.** *see* Sakane, S. 1-41798
- Tamura, H.** *see* Sakaue, K. 1-41797
- Tamura, H.** *see* Tamura, M. 1-39809
- Tamura, H.** *see* Tomita, F. 1-41799
- Tamura, H.** *see* Yokoya, N. 1-41800
- Tamura, J.** *see* Yamamoto, S. 1-41257
- Tamura, M.** Vacuum fluorescent displays increasing sophistication 1-42701
- Tamura, M.,** Tamura, H., Miyao, M., Tokuyama, T. Oriented crystal growth of Si on SiO<sub>2</sub> patterns by pulse ruby laser annealing 1-39809
- Tamura, M.** *see* Kobayashi, Y. 1-32616
- Tamura, M.** *see* Tokuyama, T. 1-35955
- Tamura, P.N.,** Rebholz, J.J., Daehlin, O.T., Tzu-Chang Lee Real time optical computation of the ambiguity function 1-41812
- Tamura, T.** *see* Nakamura, M. 1-41107
- Tamura, T.** *see* Saito, T. 1-34692
- Tamura, Y.** *see* Iwamoto, S. 1-43631
- Tamura, Y.** *see* Iwamoto, S. 1-38716
- Tan, B.S.,** Hawkins, G.J. Speed-optimised microprocessor implementation of a digital filter 1-32353
- Tan, H.** *see* Loh, Y. 1-47236
- Tan, H.H.** Capacity of a direct detection optical communication channel 1-29058
- Tan, L.S.** *see* Choo, S.C. 1-44793
- Tan, M.** *see* Auld, B.A. 1-52575
- Tan, O.T.** *see* Richards, G.G. 1-38984
- Tan, S.I.** *see* Chastang, J.C. 1-46202
- Tan, W.Y.,** Cheng, S.S. Cumulants of bilinear forms and quadratic forms and their applications 1-39540
- Tan Chee Heng** *see* Paul, H. 1-37695
- Tan Choon Peng** *see* Choon Peng Tan
- Tan Hung, Wang** Yong-guang, Yue Yao, Yan Ming-shan Identification of crossing probability of the same particle in laser dual foci technique—a discussion on a new experimental method for turbulent diffusion 1-34396
- Tanabe, K.** *see* Hosoe, T. 1-33769
- Tanabe, K.** *see* Namikawa, T. 1-46875
- Tanabe, K.** *see* Suzuki, J. 1-34058
- Tanabe, M.** *see* Mimaki, T. 1-50148
- Tanabe, T.** *see* Arai, K. 1-46686
- Tanabe, T.** *see* Izumi, T. 1-52949
- Tanabe, T.** *see* Tominaga, S. 1-39100
- Tanada, I.** *see* Endo, Y. 1-52382
- Tanada, Y.,** Sumihara, H., Sano, H. Sequential code converter of binary to p-adic and the reverse converter for PCM picture transmission 1-41515
- Tanahashi, T.** *see* Ishikawa, H. 1-41086, 1-46724
- Tanaka, A.** *see* Oku Watanabe, M. 1-45931
- Tanaka, A.** *see* Sakabe, S. 1-38770, 1-38782
- Tanaka, C.,** Murai, S., Nakamura, S., Ogiwara, T., Terai, M., Kinoshita, K. An integrated computer aided design system for gate array masterpieces. II. Logic reorganization system Lores-2 1-45412
- Tanaka, C.,** Murai, S., Tsuji, H., Yahara, T., Okazaki, K., Terai, M., Katoh, R., Tachibana, M. An integrated computer aided design system for gate array masterpieces. II. The layout design system MARS-M3 1-46266
- Tanaka, E.** *see* Fujioka, M. 1-48328
- Tanaka, F.** *see* Sakai, K. 1-41093
- Tanaka, G.** *see* Mukunashi, H. 1-37914
- Tanaka, H.,** Leon-Garcia, A. Universal noiseless coding of sources with memory 1-33448
- Tanaka, H.,** Moto-Oka, T. Distributed file management and job management of network-oriented operating system 1-47391
- Tanaka, H.,** Usui, S. Solar-powered air-conditioner technology 1-49815
- Tanaka, H.,** Yajima, K., Ihara, T., Furukawa, T. An inverse solution in electrocardiology—estimation of epicardial potential mapping using spheroidal harmonics 1-43356
- Tanaka, H.** *see* Kitada, M. 1-43930
- Tanaka, H.** *see* Yajima, K. 1-43365
- Tanaka, J.,** Huke, K., Kihara, M., Kobayashi, M., Sato, S., Shiba, S., Takata, K., Yamakawa, T. Design and status of Photon Factory 1-48571
- Tanaka, J.** *see* Kohra, K. 1-30292
- Tanaka, K.,** Miyazaki, O. Wear of magnetic materials and audio heads sliding against magnetic tapes 1-46422
- Tanaka, K.,** Nakagawa, K., Matsuda, A., Matsu-mura, M., Yamamoto, H., Yamasaki, S., Okushi, H., Iizima, S. Optical, electrical and structural properties of plasma-deposited amorphous silicon 1-45947
- Tanaka, K.,** Odajima, A. Photo-optical switching devices by amorphous As<sub>2</sub>S<sub>3</sub> waveguides 1-28768
- Tanaka, K.,** Sugiyama, Y., Yamaguchi, T. The X-80 two-channel, fixed-head PCM tape recorder for professional use 1-52313
- Tanaka, K.** *see* Matsuda, A. 1-27926, 1-45908, 1-50797
- Tanaka, K.** *see* Morinaga, A. 1-41051
- Tanaka, K.** *see* Okushi, H. 1-46097
- Tanaka, K.** *see* Sasaki, K. 1-52417
- Tanaka, K.** *see* Yuki, S. 1-29662
- Tanaka, M.,** Hirose, Y., Koga, K., Hattori, H. Engineering aspects of a hybrid emission computed tomograph 1-34582
- Tanaka, M.** *see* Kiyota, K. 1-33107
- Tanaka, M.** *see* Morita, Y. 1-30566
- Tanaka, M.** *see* Takasaki, Y. 1-42247
- Tanaka, M.** *see* Tanaka, T.P. 1-29748
- Tanaka, M.** *see* Yamakido, K. 1-33870, 1-52005
- Tanaka, M.** *see* Yoshinaga, K. 1-53582
- Tanaka, S.** New biasing circuit for class B operation [amplifiers] 1-27308
- Tanaka, S.** Electron transport in transition metal dichalcogenides 1-27845
- Tanaka, S.** WARC allocations and some of their impacts on Japan and in Asia 1-52188
- Tanaka, S.,** Yamanishi, T., Hoshikawa, M., Katsuyama, Y. Stabilization of temperature characteristics of solid coated fiber 1-36896
- Tanaka, S.** *see* Horima, H. 1-28456
- Tanaka, S.** *see* Kanemasa, A. 1-41746
- Tanaka, S.** *see* Miyajima, Y. 1-51169
- Tanaka, S.** *see* Yonechi, S. 1-32440
- Tanaka, T.,** Masamura, T., Samejima, S., Mori, M. S/I improvement in common amplification of carriers with different amplitude 1-46963
- Tanaka, T.** *see* Ito, Y. 1-27390
- Tanaka, T.** *see* Kawase, S. 1-34682
- Tanaka, T.** *see* Morishita, M. 1-34082
- Tanaka, T.** *see* Sakamoto, S. 1-44573
- Tanaka, T.** *see* Saraie, J. 1-45990
- Tanaka, T.** *see* Sonoda, K. 1-28183
- Tanaka, T.P.,** Maeda, M., Tanaka, M. Optimum structural parameters of fibers in LED-graded index fiber transmission systems 1-29748
- Tanaka, Y.,** Akiyama, M. Characteristics of amount of selection in switching networks 1-41847
- Tanaka, Y.,** Cairo, L. Propagation of VLF waves through the equatorial anomaly 1-41227
- Tanaka, Y.** *see* Akiyama, M. 1-51921
- Tanaka, Y.** *see* Miyakawa, H. 1-29094
- Tanaka, Y.** *see* Sharma, R.G. 1-32990
- Tanaki, M.** *see* Yamaguchi, M. 1-52333
- Tanbara, M.** *see* Hattori, K. 1-33770
- Tanbun-ek, T.** *see* Arai, S. 1-37109
- Tanca, S.** *see* Dallargine, G. 1-41902
- Tanca, S.** *see* Sturlini, C.P. 1-42087
- Tandjung, H.** *see* Gepraegs, H. 1-28059
- Tandjung, H.** *see* Gepraegs, W. 1-40645

- Tandle, D.M. *see* Swarup, P. 1-45097
- Tandon, J.C. *see* Wu, P.S. 1-33302
- Tandon, S.C., Chari, M.V.K. Transient solution of the diffusion equation by the finite element method 1-46832
- Tandy, P. *see* Murdoch, T. 1-48092
- Taneja, O.P. *see* Dawar, A.L. 1-32670, 1-40437
- Taneja, O.P. *see* Mathur, P.C. 1-36496
- Tanenbaum, A.S. Computer networks 1-41952
- Tang, C.C. *see* Li, T.P.L. 1-45837
- Tang, C.L. *see* Halbout, J.M. 1-33273
- Tang, C.L. *see* Olsson, A. 1-46727, 1-51456
- Tang, C.L. (editor) Quantum electronics. Pt.B 1-39318
- Tang, D.D., Davidson, D., Bloch, S.C. Diversity reception of a 19-GHz satellite beacon signal during intense rainy periods in Florida 1-46916
- Tang, D.D. *see* Wiedmann, S.K. 1-28096
- Tang, D.T. *see* Bongiovanni, G. 1-47275
- Tang, R. *see* Peng, S.Y. 1-52156
- Tang, S.C. Large elasto-plastic strain analysis of flanged hole forming 1-45051
- Tang, W., Mealy, G.L. Application of multiple model estimation techniques to a recursive terrain height correlation system 1-52901
- Tang Cha-Mei *see* Cha-Mei Tang
- Tang Gui-sheng *see* Zhi Ting-ting 1-46775
- Tang Shi-qing *see* Lin Shao-chi 1-28616
- Tang Xiao *see* Pan Shao-hua 1-28666
- Tang Yau-Wu *see* Yau-Wu Tang
- Tango, H. *see* Isobe, M. 1-27469
- Tango, H. *see* Iwamura, J. 1-27476
- Tango, H. *see* Mizutani, Y. 1-40710
- Tani, C., Ueno, T., Naemura, S., Mimitsuka, T., Ogawa, F., Onozawa, T., Takekawa, Y., Ota, K. GH type color LCD 1-46587
- Tani, S., Aoki, S., Watanabe, S. Supervisory, telemetry and telecontrol system (DIOS-40) 1-29391
- Tani, S., Watanabe, S., Aoki, S. Terminal equipment for data gathering system (DIOS-11) 1-30030
- Tani, S. *see* Murata, K. 1-29907
- Tani, S. *see* Shirakawa, I. 1-46303
- Tani, T. *see* Grant, P.M. 1-36520
- Tanida, Y., Shiratori, T. A new system for measuring shock-wave location by means of linear image sensor 1-38126
- Tanifuji, T., Horiguchi, T., Tokuda, M., Miyake, K., Fukuzawa, T. Laser stabilization for baseband frequency response measurement of multimode optical fibers 1-52595
- Tanifuji, T. *see* Horiguchi, T. 1-28449
- Tanifuji, T. *see* Nakazawa, M. 1-40981
- Tanigawa, H., Oda, E., Akiyama, I., Wakaumi, H. A multipurpose CCD comb filter with combining and delaying functions 1-28132
- Taniguchi, K., Kashiwagi, M., Iwai, H. Two-dimensional computer simulation models for MOS LSI fabrication processes 1-32879
- Taniguchi, K. *see* Ueno, F. 1-40061
- Taniguchi, M. *see* Hamasaki, T. 1-39817
- Taniguchi, M. *see* Kusunoki, Y. 1-31956
- Taniguchi, M. *see* Morita, Y. 1-30566
- Taniguchi, R., Fukuyoshi, T., Ichinose, Y. A field-circuit telemetry system for brushless AC generators 1-53369
- Taniguchi, R. *see* Kawaguchi, E.W. 1-34716
- Taniguchi, T., Hirata, T., Murakami, Y., Nishimura, M. Digital control system for superconducting magnet. II 1-51135
- Taniguchi, T. *see* Miyagi, H. 1-53400
- Taniguchi, T. *see* Niyagi, H. 1-34752
- Taniguchi, Y. *see* Shiraishi, H. 1-32744
- Taniguchi, K. *see* Mori, M. 1-33844
- Tanibara, Y. *see* Horie, N. 1-29915
- Tanikawa, T. *see* Sakamoto, T. 1-42412
- Tanimoto, D.H. Opportunities for space applications of directed-energy technologies 1-48777
- Tanimoto, Y. *see* Murakami, S. 1-47608
- Tanimura, K. *see* Kobayashi, K. 1-37852
- Tanishita, K. *see* Sakurai, Y. 1-43278
- Tanji, H. *see* Kawakami, S. 1-51202
- Tankersley, L.L. *see* Reintjes, J. 1-46800
- Tanna, H.K. *see* Ahuja, K.K. 1-43401
- Tannas, L.E. Thin-film electroluminescent emitter 1-46651
- Tannas, L.E., Jr. Flat-panel displays: past, present, and future 1-34346
- Tannenbaum, M. *see* Thompson, P. 1-43118
- Tannenbaum, M. *see* Wanderer, P. 1-43097
- Tannenwald, P.E. State-of-the-art in coherent near-mm detectors 1-48109
- Tanner, B.K. *see* Waltham, N.R. 1-40622
- Tanner, R.M. A linear programming minimum distance bound for linear codes 1-33533
- Tannhauser, A. *see* Fischer, K. 1-33973
- Tanno, K., Shimura, F., Kawamura, T. Microdefect elimination in reduced pressure epitaxy on silicon wafer by back damage-Si<sub>3</sub>N<sub>4</sub> film technique 1-27119
- Tanoue, T. *see* Naruse, Y. 1-34572
- Tanovic, N., Holick, O. The new sweep voltage supplies for the emittance/brightness measuring device 1-34416
- Tanovic, N., Terzic, I., Perovic, B. The ion source with oscillating electrons in the axial magnetic field 1-34419
- Tanski, W.J. Surface acoustic wave frequency trimming of resonant and traveling-wave devices on quartz 1-46362
- Tanski, W.J., Block, M., Vulcan, A. High performance SAW resonator filters for satellite use 1-36759
- Tanski, W.J., St. Cyr, R.A., Dragonetti, P.G., Kosco, E.G. A radar system application of an 840-MHz SAW resonator stabilized oscillator 1-36744
- Tanton, G.A., Morgan, R.L., Otten, W.G., Castle, J.G., Jr. An atmospheric limit on sub-millimeter wave imaging: observations of high visibility fringes 1-46893
- Tantussi, G. *see* Carrara, G. 1-53449
- Tanygin, A.A. *see* Andreyev, G.A. 1-33355
- Tanyolac, N.N. Future trends and problems in teaching electrical machinery for engineering students 1-49897
- Tanzi, F., Taglietti, V. Spectral analysis of surface motor unit action potentials and surface interference electromyogram 1-30439
- Tao, L.J. All Permalloy, conductorless bubble chip 1-28266
- Tao, L.J. Passive bubble annihilator 1-28268
- Tao, L.J. Multi-disk replicator-generator design [bubble domain devices] 1-40836
- Tao, L.J. Field-accessed, conductorless data switch [magnetic bubble devices] 1-40837
- Tao, L.J., Williams, M.L. Drive field sequence-controlled bubble generation 1-28267
- Tao, L.J., Williams, M.L. Sensor pairing for higher data rate on bubble chip 1-40835
- Tao, L.J. *see* Collins, T. 1-28269
- Tao, L.J. *see* Collins, T.W. 1-40834
- Tao, T.F. *see* Schell, R.R. 1-41714
- Tao Hong-jie *see* Dai Shou-yu 1-51448
- Tao Wu Chu *see* Chu Tao Wu
- Tao-hong Zheng *see* Zheng Tao-hong
- Tapia, M.A. Synthesis of asynchronous sequential systems using Boolean calculus 1-36231
- Taponecco, L., Tellini, A. Some notes on the armature magnetic field in fractional horsepower DC motors with ceramic permanent magnets 1-49523
- Taradaj, W.I. *see* Butz, U. 1-44257
- Taradaj, W.I. *see* Winoslawski, W.N. 1-43654
- Taraire, J.-P. The four designs for plotters 1-38225
- Tarakanov, S.P. *see* Polushin, P.A. 1-37858
- Tarakanov, N.M. *see* Ageyev, A.I. 1-42866
- Tarakanov, N.M. *see* Nemenov, L.L. 1-30306
- Tarakanov, V.I. *see* Kalimov, A.G. 1-48628
- Tarakanova, T.A. *see* Vinokurov, V.A. 1-49744
- Taranenko, V.B. *see* Bazhenov, V.Yu. 1-51471
- Taranov, V.E. *see* Bagdasarov, R.E. 1-36082
- Taras, E. Pentaconta 5 B and 7 E telephone exchanges 1-29575
- Taras, E. *see* Brzezinski, A. 1-29551, 1-29576
- Taras, E. *see* Cieslinska, A. 1-33898
- Tarascon, J.M. *see* von Molnar, S. 1-45956
- Tarascenko, A.V. Discharge apparatus for storage batteries 1-39165
- Tarascenko, N.V. *see* Batishche, A.A. 1-33282, 1-46788
- Tarascenko, V.F., Verkhovskii, V.S., Fedorov, A.I., Tel'minov, E.N. Electric-discharge XeCl laser 1-28654
- Tarasewicz, S., Salama, C.A.T. A high voltage UMOS transistor 1-36639
- Tarasov, A.I. *see* Dubnova, G.S. 1-44137
- Tarasov, E.P. *see* Besschetnov, E.A. 1-27321
- Tarasov, E.P. *see* Karpov, I.V. 1-27322
- Tarasov, I.S. *see* Bert, N.A. 1-27792, 1-39779
- Tarasov, M.A. *see* D'yakov, V.P. 1-29824
- Tarasov, M.A. *see* Gubankov, V.N. 1-33005
- Tarasov, M.D. *see* Babich, L.P. 1-50711
- Tarasov, V.M. *see* Maierov, A.P. 1-37190
- Tarasuyuk, A.F. *see* Gel'tman, A.E. 1-38854
- Tarasuyuk, I.I. *see* Gavaleshko, N.P. 1-32626
- Tardini, C. *see* Sturlini, C.P. 1-42087
- Tardy, Y. *see* Bittencourt, A. 1-34706
- Tarieladze, V.I. *see* Linde, V. 1-26996
- Tarkanyi, M. Computer simulation of the JET generator-converter set 1-44197
- Tarkhanov, O.V. A magnetomodulation phase shifter 1-33324
- Tarkhanov, O.V., Nesterov, V.A. Electromagnetic angular-velocity converter 1-30067
- Tarlowski, B., Plumb, D. Pinnacle Peak Simulation expands 1-39030
- Tarnai, A.A. *see* Perchi, Z.I. 1-33201
- Tarnopolskiy, I.L. *see* Dvorskiy, E.E. 1-41917
- Tarr, L.A. *see* Anderes, S.W. 1-29537
- Tarr, N.G., Pulfrey, D.L., Iles, P.A. Induced back-surface field solar cells on p-type silicon substrates 1-53611
- Tartaglia, M. *see* Chiampì, M. 1-44168
- Tartakovskiy, A.G. Sequential detection of signals with measurement of their parameters 1-47169
- Tartakovskiy, M.B., Rosenberg, N., Ron, S., Shabtai, I., Elkin, S., Cocos, M. Unsupervised template construction for QRS classification in Holter tape analysis 1-52783
- Tartara, G. *see* Cemerini, P. 1-47645
- Tartier, S. *see* Pargamin, L. 1-34915
- Tarucha, S., Otsuka, K. Response of semiconductor laser to deep sinusoidal injection current modulation 1-37137
- Tarucha, S. *see* Otsuka, K. 1-51503
- Tarui, Y. *see* Hoh, K. 1-28066
- Tarver, L.E. *see* Cassada, T.E. 1-29387
- Taschini, A., Menga, P., Fiordimela, A. The use of electric vehicles in Italy. I. Prospect of application 1-39159
- Taschini, A. *see* Pacati, G.P. 1-53037
- Taschioglou, K., Lahman, H.S. Improving throughput for in-circuit PCB testers: the key lies in better-quality boards 1-27690
- Taschioglou, K.P., Lahman, H.S. Comparing alternatives for increasing in-circuit tester throughput 1-50689
- Tasheva, B.E. *see* Zlatev, M.P. 1-32018
- Tashima, M.M., Cook, L.W., Stillman, G.E. The application of X-ray diffraction measurements in the growth of LPE InGaAsP/InP 1-39797
- Tashima, M.M., Cook, L.W., Tabatabaie, N., Stillman, G.E. The effect of lattice mismatch on hole diffusion lengths in liquid phase epitaxial InGaAsP ( $\lambda_g = 1.15 \mu\text{m}$ )/InP 1-45921
- Tashima, S. *see* Wakabayashi, J. 1-30950
- Tasic, J. *see* Bajic, B. 1-37482
- Task, H.L., Kocian, D.F., Brindle, J.H. Helmet-mounted displays: design considerations 1-30022
- Taskett, J.M. *see* Boyd, W.W. 1-42318
- Tasoulis, G. *see* McGregor, D.N. 1-29117
- Tassell, C. Safeguarding the photomultiplier tube 1-27767
- Tassell, C. Opto isolator protects op amp inputs 1-36102
- Tassoni, C. *see* Reggiani, U. 1-53427
- Tasuda, Y. *see* Ishida, M. 1-45090
- Tatarenkov, V.M. *see* Koshelyaevskii, N.B. 1-48250
- Tate, P. Private viewpoint puts British Leyland into top gear 1-41936
- Tateda, M., Seikai, S. Frequency characteristics change due to refractive index profile deviation in graded-index fiber 1-28451
- Tateda, M. *see* Kitayama, K. 1-51404
- Tateda, M. *see* Shibata, N. 1-30271, 1-33033, 1-46513
- Tateishi, K., Ikeda, Y., Kotani, S., Nakaya, S. Optical printer using LED arrays 1-52519
- Tatenko, H. *see* Sakai, S. 1-46467
- Tateno, A., Yoshida, T. Energy conservation by variable-speed operation for pumps and blowers 1-44520
- Tatevosyan, G.G. Calculation of the line capacitance and electric field of a balanced stripline 1-41283
- Tatham, H.L. *see* Adams, A.R. 1-45923
- Tatham, H.L. *see* Hayes, J.R. 1-27800
- Tatia, V. Design approach trims one-shot propagation delay 1-45345
- Tatsenko, V.G. *see* Mart'yanov, A.N. 1-37535
- Tatsumi, M. *see* Yamaguchi, T. 1-37236
- Tatsumi, S., Kimura, S., Kitahashi, T. Nonlinear classifier designed with a feature space sampling techniques 1-33695
- Tatsumi, S. *see* Kitahashi, T. 1-29201
- Tatsuzawa, Y. *see* Nagoshi, H. 1-43353
- Tatum, M.C., Lee, G.M., Vanstrum, M.D., Starks, S.A., Graf, E.R., Phillips, C.L. Adaptive filtering algorithms for radar tracking application 1-42319
- Tatur, T.A., Vanslova, G.A. Symmetrical electric waves in multilayer cylindrical coaxial media 1-28951
- Tau, S. *see* Perez Ferreira, E. 1-42853
- Taube, B.S. *see* Vostroknutov, N.N. 1-52352
- Taube, M. Using railway wagons to supply hot water to local supply centres 1-53235
- Tauber, A. *see* Rothwarf, R. 1-46426
- Tauber, G.M. *see* Terziev, F.S. 1-48877
- Tauber, V.V. *see* Gavriluyuk, A.V. 1-28228
- Taubitz, G. The right contact for relays 1-50652
- Tauc, J. *see* Vardeny, Z. 1-33106
- Tauglihk, G.L. Error burst correction using binomial codes 1-29098
- Taumann, L. The treatment head design for medical linear accelerators 1-38525
- Taunton, J.C. Surgical diathermy—a review 1-48746
- Taur, Y., Cheung, D.T., Huffman, E.H., SooHoo, J., Gudmundsen, R.A. Millimeter-wave generation at 110 GHz by laser modulation of a HgCdTe photodiode 1-41008
- Tausch, L. *see* Gamble, J. 1-48317
- Taussig, R.T., Zumdick, J.F., Willenberg, H.J., Vaidyanathan, T.S., Powell, J.R. Advanced power technology for fusion reactors 1-30942
- Tavares, H. *see* Fernandes, J. 1-44951
- Taveras, J. *see* Correia, J.A. 1-34573
- Tavernier, S. *see* Carlson, P.J. 1-43245
- Tavie, B.G. *see* Alier, N.A. 1-40464
- Tavilashvili, V.D. *see* Mikadze, I.S. 1-39430
- Tavolato, G. Insulated or earthed neutral? 1-30795
- Tavormina, J.J. *see* Hess, D.W. 1-51695
- Tawada, Y., Okamoto, H., Hamakawa, Y. a-SiC:H/a-Si:H heterojunction solar cell having more than 7.1% conversion efficiency 1-53613
- Tawara, H. *see* Imamura, H. 1-52662
- Tawfik, M.A.H. *see* Venikov, V.A. 1-53009
- Tawil, M.M. Finite element method (a modified approach) 1-35893

- Taxen, L.** Polyphase filter banks using wave digital filters 1-41646
- Taxen, L.** *see* Kjellstrom, G. 1-39618
- Tayefeh-Emamverdi, M.** Methodic concept development in electronics. I. Method of minimal required partial functions 1-39370
- Taylor, B.E., Felten, J.J., Larry, J.R.** Progress in and technology of low cost silver containing thick film conductors 1-27726
- Taylor, B.E., Slutsky, J., Larry, J.R.** Technology of electronic grade solder pastes 1-44698
- Taylor, B.G.** The development of the gas scintillation proportional counter for X-ray astronomy 1-52699
- Taylor, B.G., Andresen, R.D., Davelaar, J., Manzo, G., Peacock, A., Re, S.** A fluorescent gated imaging gas scintillation spectrometer for high energy X-ray astronomy 1-34471
- Taylor, B.G., Davelaar, J., Manzo, G., Peacock, A.** Spectroscopy in X-ray astronomy using gas scintillation cameras 1-34470
- Taylor, B.W.** *see* Keown, A.J. 1-35858
- Taylor, C., Althaus, R., Caspi, S., Gilbert, W., Hassenzahl, W., Meuser, R., Rechen, J., Warren, R.** Design of epoxy-free superconducting dipole magnets and performance in both helium I and pressurized helium II 1-51112
- Taylor, C., Althaus, R., Caspi, S., Gilbert, W.S., Hassenzahl, W., Meuser, R., Rechen, J., Warren, R.** A novel epoxy-free construction method for fabricating dipole magnets and test results. [Accelerator magnets] 1-43114
- Taylor, C.** *see* Althaus, R. 1-43113
- Taylor, C.E., Meuser, R.B.** Prospects for 10T accelerator dipole magnets 1-43096
- Taylor, C.W., Nassief, F.R., Cresap, R.L.** Northwest Power Pool transient stability and load shedding controls for generation-load imbalances 1-43561
- Taylor, C.W.** *see* Bahrman, M.P. 1-43646
- Taylor, C.W.** *see* Cresap, R.L. 1-38693
- Taylor, D.K., Pickens, G.A., Wesley, L.D.** Huntly Power Station cooling water intake structure 1-43908
- Taylor, D.M.** *see* Wilson, D.O. 1-52360
- Taylor, D.P., Chan, H.C.** A simulation study of two bandwidth-efficient modulation techniques 1-29068
- Taylor, D.P.** *see* Ekanayake, N. 1-37385
- Taylor, D.P.** *see* Mazur, B.A. 1-29067
- Taylor, E.R., Jr.** *see* Sun, S.C. 1-43795, 1-49180
- Taylor, F.** *see* Marshall, J. 1-50561
- Taylor, F.J.** Large moduli multipliers for signal processing 1-41642
- Taylor, F.J.** *see* Ramnarayanan, A.S. 1-37605
- Taylor, G.** Study predicts disturbing cost escalation for nuclear power 1-43835
- Taylor, G.C., Liu, S.G., Bechtel, D.** Ion-implanted K-band GaAs power FET 1-46180
- Taylor, G.L.** *see* Beyers, J.W. 1-32310
- Taylor, G.N., Wolf, T.M., Goldrick, M.R.** A negative-working plasma-developed photoresist 1-27713
- Taylor, G.W.** *see* Chatterjee, P.K. 1-32825
- Taylor, H.F.** *see* Carruthers, T.F. 1-32782
- Taylor, H.F.** *see* Goldberg, L. 1-46730
- Taylor, H.F.** *see* Miles, R.O. 1-41081
- Taylor, H.F.** *see* Sheem, S.K. 1-28430
- Taylor, H.R.** Errors due to finite frequency resolution in digital measurement of frequency responses 1-47865
- Taylor, J.** On the design of switched-capacitor filters using integrator circuits 1-39884
- Taylor, J.** *see* Argent, G.G.R. 1-53311
- Taylor, J.D.** *see* Eberhard, P.H. 1-51132
- Taylor, J.L.** *see* Boyd, W.W. 1-42318
- Taylor, J.M.** *see* Forsberg, R.A. 1-27407
- Taylor, J.R., Rossiter, M.H.** Statistical methods in quality and reliability assurance [telecommunications systems] 1-41859
- Taylor, J.R.** *see* Sibbett, W. 1-33200
- Taylor, K.** *see* Mohanty, N.C. 1-37962
- Taylor, L.L., Westberg, A.J., Lee, S.T., Sustman, J.E., Ganz, G.L., Maschoff, D.C.** A screening model for utility strategic planning 1-49015
- Taylor, L.S.** Brain cancer therapy using an implanted microwave radiator 1-34636
- Taylor, L.S.** The phase retrieval problem [for EM fields] 1-37246
- Taylor, M.** Static u.p.s.s.—a guide for buyers and users [standby supplies] 1-49026
- Taylor, M.-C.** Logic analyzers 1-42580
- Taylor, M.G.** *see* Coghlan, B.A. 1-34606
- Taylor, M.J.** A wide field, low light level TV system to measure the state of polarisation of light 1-42448
- Taylor, P.A.** Aluminium electrolytics 1-40249
- Taylor, R.H.** *see* Rockingham, A.P. 1-53335
- Taylor, R.S., Watanabe, S., Alcock, A.J., Leopold, K.E., Corkum, P.B.** Operating characteristics of a 5-J (5-J/liter) UV-preionized XeCl laser 1-51391
- Taylor, R.V.** Tactical utilization of digital imagery 1-37659
- Taylor, R.W.** *see* DeMeo, E.A. 1-53036
- Taylor, R.W.** *see* Gellings, C.W. 1-34777
- Taylor, T.** *see* Smith, H. 1-43386
- Taylor, T.M.** The choice of spectrometer magnets for LEP 1-38457
- Taylor, V.L., Sethares, J.C., Smith, C.V.** MSW terminations 1-36835
- Taylor, W.R.** Quality assured in new products via comprehensive systems approach 1-44728
- Tazaki, S.** *see* Fukunaga, T. 1-51787
- Tazo, Y., Uehara, S.** Nb weak links with three dimensional structure 1-40863
- Tazzari, S.** Beam-beam interactions: a summary of experimental evidence 1-42983
- Tazzari, S.** *see* Biagini, M.E. 1-48506
- Tazzari, S.** *see* Thompson, D.J. 1-48292
- Tazzyman, P.** *see* Forrest, A. 1-43578
- Tchah Kyun-Hyon** *see* Kyun-Hyon Tchah
- Tchernyatin, V.** *see* Deutschmann, M. 1-34480
- Tchernyatin, V.** *see* Ludlam, T. 1-34481
- Tchon, W.** *see* Drori, J. 1-28127
- Te Chang Chu** *see* Chu Te Chang
- te Sligte, G.H.** A cross-implementation of CHILL on existing hardware under a commercial operating system 1-42124
- Teacher, C.F., Coulter, D.** Operation of LPC vocoders in noisy environments 1-41594
- Tebbit, N.** The future of Eurocontrol [European Organisation for the Safety of Air Navigation] 1-34680
- Tecuceanu, R.** *see* Mustata, O. 1-49071
- Tedjojuwono, K., Kawase, Y., Asakura, T.** Application of laser Doppler velocimeter to velocity measurement of charged dust particles in high electric field II 1-42750
- Teegarden, B.J., Cline, T.L.** High-resolution spectroscopy of gamma-ray bursts 1-30382
- Teegarden, K.** *see* Kelly, J.H. 1-37092
- Teel, L.E.** *see* Chamberlin, D.D. 1-42964
- Tegethoff, R.H.** *see* Curtis, T.H. 1-47626
- Tegethoff, W.** Goals and fundamentals of supply concepts 1-52997
- Tegopoulos, J.A., Yannopoulos, P.P.** Eddy currents and loss in cylindrical structures due to circular currents. I. Hollow cylinder [induction heating] 1-49805
- Tegopoulos, J.A., Yannopoulos, P.P.** Eddy currents and loss in cylindrical structures due to circular currents. II. Solid cylinder [induction heating] 1-53784
- Tegtmeyer, R.S.** *see* Rinard, G.A. 1-34594
- Tegude, F.J., Heime, K.** Deep level measurement of layers on semi-insulating GaAs substrates by means of the PHOTOFET method 1-27832
- Tebhan, J., Harrison, M.** A cost-effective implementation of distributed intelligence in ATE 1-38108
- Teich, M.C., Saleh, B.E.A.** Interevent-time statistics for shot-noise-driven self-exciting point processes in photon detection 1-41680
- Teicher, M.** *see* Janai, M. 1-50318
- Teichert, H.** *see* Eberle, G. 1-35435
- Teichgraber, U.** Development trends in the construction of average and large asynchronous machines 1-53430
- Teichholz, L., Caputo, G., Ambrose, J., Martinez, E., LeBlanc, D.** On-line echo tracking and digitizing system: use in study of mitral flow and aortic root motion 1-48697
- Teichholz, L., Herzog, D., LeBlanc, D.** The omni-cardiogram: early detection of abnormalities of the electrical signal of the heart 1-48730
- Teillard, Y.** *see* Jousset, J. 1-52723
- Teisseyre, M.** *see* Jedrusik, M. 1-37277
- Teja, E.R.** Switching power supplies 1-27254
- Tejessy, W.** *see* Lehraus, I. 1-43249
- Tek-Ming Shen** Conversion gain in millimeter wave quasi-particle heterodyne mixers 1-40853
- Tekavec, T.** *see* Kobe, M. 1-35663
- Tekawa, M.** *see* Lothorp, F. 1-48275
- Teke, A.A.** *see* Gainish, I.I. 1-27371
- Tekel, L.** The world's development trends in realisation of small hydroelectric plants 1-31078
- Tekiel, P.** *see* Cizek, M. 1-28295
- Tekshev, V.B.** Noise properties of HF and microwave transistors 1-40563
- Telese, O., Zarone, G.** A hybrid coding method of video signals 1-33670
- Telese, O., Zarone, G.** On video DPCM coding using adaptive quantizers 1-41488
- Telesin, R.V.** *see* Martynov, A.F. 1-32970
- Telfer, D.J.** *see* Kapany, N. 1-46502
- Telis, A.I.** *see* Gudzenko, A.B. 1-31513
- Tella, R.** *see* Kelley, R. 1-52273
- Tellini, A.** *see* Bramanti, A. 1-49432, 1-49464
- Tellini, A.** *see* Taponecco, L. 1-49523
- Tel'minov, E.N.** *see* Tarasenko, V.F. 1-28654
- Telschow, K.L.** *see* Hansen, G.M. 1-30130
- Telyatnikova, T.A.** *see* Kapitsa, M.L. 1-32539
- Temchenko, V.S.** *see* Grinev, A.Yu. 1-37375, 1-51229
- Temes, G.C.** *see* Ghaderi, M.B. 1-45445, 1-45506, 1-50397
- Temes, G.C.** *see* Man Shek Lee 1-36066, 1-45470
- Temes, G.C.** *see* Muller, G. 1-36067
- Temkin, H., Chin, A.K., DiGiuseppe, M.A., Keramidas, V.G.** Light-current characteristics of InGaAsP light emitting diodes 1-51288
- Temkin, H., Dutt, B.V., Bonner, W.A.** Photoluminescence study of native defects in InP 1-33126
- Temkin, H., Keramidas, V.G., Mahajan, S.** Thermal decomposition of InP and its influence on iso-epitaxy 1-45082
- Temkin, H.** *see* Keramidas, V.G. 1-50790
- Temkin, R.J., Kreischer, K.E.** Operation of a gyrotron at the fundamental and second harmonic 1-45858
- Temma, T.** *see* Hanaki, S. 1-47456
- Temme, D.H.** *see* Waldman, J. 1-47724
- Temmer, G.M., Hass, M., Niv, Y., Feldman, L.C., Kraus, J.S., Tolk, N.H.** A new precision velocity measurement technique for accelerator beams 1-38354
- Temnogradov, A.V., Shlykov, G.P.** Investigation of analog-to-digital converter error components 1-32381
- Tempel, A.** *see* Hobler, H.J. 1-39747
- Temple, S.J.** *see* Galani, Z. 1-36325
- Temple, V.A.K.** Inverter light triggered thyristor with unique arm-structure amplifying gate 1-40569
- Temple, V.A.K.** Comparison of light triggered and electrically triggered thyristor turn-on 1-40570
- Temple-Pediani, R.W.** Energy recovery from combustible industrial and domestic refuse 1-49250
- Templeton, I.M.** A residual resistance probe for small metal samples 1-38269
- Ten, S.D.** *see* Alimov, A.K. 1-30472
- ten Kate, H.H.J., Bunk, P.B., Britton, R.B., van de Klundert, L.J.M.** High current and high power superconducting rectifiers 1-44184
- Ten Kate, H.H.J.** *see* Van de Klundert, L.J.M. 1-38995, 1-44183
- ten Kate, J.H., Frietman, E.E.E., Stoel, F.J.M.L., Willems, W.** Eye-controlled communication aids 1-34557
- Tench, G.A.** *see* Morched, A.S. 1-49046
- Tench, M.D.R.** *see* Wharf, J.H. 1-48827
- Tenconi, S.** *see* Bisio, G.R. 1-53552
- Tenenbaum, J., Smilanski, I., Lavi, S., Levin, L.A., Erez, G.** Kinetic investigation of the upper laser levels of the copper vapor laser 1-28634
- Tenenbaum, J., Smilanski, I., Levin, L.A.** Investigation of the kinetics of a metal vapor laser by an interferometric method 1-28635
- Tenenholtz, R.** A 2000 watt CW MIC 20-500 MHz SPDT PIN diode switch module 1-45740
- Teng, K.W.** *see* Lin, J.F. 1-45917
- Teng, L.** *see* Ankenbrandt, C. 1-48573
- Teng, L.C.** Approximate physical treatment of the beam-beam effects 1-42980
- Teng, L.C.** Heavy ion accelerators for inertial fusion 1-48289
- Teng, L.C.** Perspectives of future accelerators and colliders 1-48323
- Teng, T.C., Shiao, Y., De Onnellas, S., Readdie, J., Wong, E., Chang, G., Ko, S., Skinner, C.** Improved performance of 4K SRAM by means of CW laser annealing 1-51015
- Teng, T.C.** *see* Chang, G. 1-45918
- Tenhover, M.** High critical currents obtained by heat treating rapidly quenched Hf-Zr-V metallic glasses 1-28306
- Tennant, D.M.** *see* Jackel, L.D. 1-50878
- Tennant, J.A., Cohen, A.I., Rao, H.S., Powell, J.D.** Computer aided procedures for optimization of engine controls 1-39177
- Tenne, R.** The effect of photoelectrochemical etching on the performance of CdS based photoelectrochemical cells 1-35330
- Tenne, R.** *see* Muller, N. 1-53616
- Tenney, R.R., Sandell, N.R.** Detection with distributed sensors [information theory] 1-51817
- Tennichi, Y.** *see* Matsumoto, H. 1-35051
- Tenten, R.C.** The fibre optic/CATV connection 1-29754
- Tenti, P.** *see* Martinelli, G. 1-53377
- Teo, H.K.** *see* Delorme, C. 1-39587
- Teo, K.L.** *see* Nababan, S. 1-35843
- Teo, T.M.** *see* Harris, D.J. 1-46858
- Teodorescu, D.** Development of fractional horse power motors. Hysteresis and reluctance motors 1-31259
- Teodorescu, D.** Dynamic life-time model. I. Markovian failure law 1-35701
- Teodorescu, D.** Dynamic lifetime model. II. Optimization operator 1-44764
- Teodorescu, D.** The status and development of optical information displays 1-48164
- Teodorescu, D.** Cooling of electrical machines 1-53395
- Teodorovich, O.K., Yagupol'skaya, L.N., Kryzhanovskaya, R.I., Lugovskaya, E.S.** Corrosion of tungsten-base pseudoalloys in elegas 1-50336
- Teokharov, A.N.** *see* Vinogradov, A.G. 1-51583
- Tepe, R.** Centering of conducting rectangular cylinder in air-gap 1-46834
- Tepe, R.** *see* Hannakam, L. 1-40243
- Teplitzki, M.G.** *see* Elak, Yu.V. 1-31037
- Teplitzky, A.M.** *see* Hribar, A.E. 1-44158
- Teplitzky, A.M.** *see* Ver, I.L. 1-44165
- Tepliyakov, D.L.** *see* Aparisi, R.R. 1-49350
- Tepliyakov, I.M.** An antenna tracking system for a laser communication system 1-42246

- Tepliyakov, P.I.**, Aparisi, R.R. Geometry of tower-type solar electric station heliostat field 1-49348
- Tepman, I.A.** *see* Tuchkevich, V.M. 1-32780
- Tepore, A.** *see* Capozzi, V. 1-45966
- Tepore, A.** *see* De Blasi, C. 1-33141
- Tepper, K.A.** Mechanical and heat transfer models for frictional heating in superconducting coils 1-28400
- Ter-Oganesyan, I.M.** Effect of steel tubes, carrying electrical power lines on the nature of resistance measurement errors in the phase-neutral loop 1-38745
- Ter-Pogossian, M.M.** *see* Snyder, D.L. 1-48680
- Terada, K.** *see* Morimoto, M. 1-40050
- Terai, K.** *see* Yamanaka, C. 1-51348
- Terai, M.**, Ogawa, S. EK-50 key telephone system 1-29343
- Terai, M.** *see* Tanaka, C. 1-45412, 1-46266
- Teramoto, I.** *see* Shimizu, H. 1-37129
- Teramoto, I.** *see* Sugino, T. 1-37125
- Teramoto, I.** *see* Wada, M. 1-37131
- Teramoto, Y.** *see* Ludlam, T. 1-34431
- Teranishi, K.** *see* Nakazawa, H. 1-44429
- Teranishi, T.**, Ikeda, M., Honda, M., Yanari, T. Local voltage oscillation in interleaved transformer windings 1-39034
- Teranishi, T.** *see* Ikeda, M. 1-39035
- Terano, T.** *see* Murayama, Y. 1-26888
- Terasaka, A.** *see* Yoshida, N. 1-49819
- Terasawa, Y.** *see* Shimizu, Y. 1-50919
- Terase, H.**, Mitsui, H., Inoue, Y., Yoshida, K., Kenjo, S. Proposal of GF (gas filled) insulation for rotating machines 1-44042
- Terashima, Y.** *see* Abe, Y. 1-31945
- Terasmaa, P.** Elimination of low frequency harmonics in the output voltage of a three-phase bridge rectifier by the control of thyristor firing angles 1-27281
- Teravirta, T.** Some results on improving the least squares estimation of linear models by mixed estimation 1-31928
- Terebaev, V.V.** *see* Kayalov, G.M. 1-34856, 1-39028
- Terekhov, A.A.** Application of clear pyroceramics to the study of switching processes in electrical apparatus 1-44269
- Terekhov, A.S.** *see* Al'perovich, V.L. 1-32705, 1-45999, 1-46627
- Terekhov, E.P.** *see* Zhukovskii, V.E. 1-31714
- Terekhov, G.I.** *see* Morozov, V.I. 1-52705
- Terekhov, G.P.** *see* Aleksakov, G.N. 1-35017
- Terekhov, V.P.**, Krichevskii, E.S., Galushkin, S.S. Thermal-capacitive moisture meter 1-34394
- Terent'ev, Yu.M.** *see* Prudkii, V.P. 1-37354
- Terent'ev, Yu.V.** *see* Dzheleпов, I.B. 1-30286
- Tereshchenko, A.I.** *see* Pashchenko, Zh.F. 1-36332, 1-36333
- Tereshchenkov, V.V.** *see* Balashov, B.M. 1-35550
- Tereshkevich, L.B.** An algorithm for internal balancing when controlling asymmetrical conditions of power networks 1-38740
- Terman, L.M.**, Yee, Y.S., Merrill, R.B., Heller, L.G., Pettigrew, M.B. CCD memory using multilevel storage 1-28130
- Termuehlen, H.**, Gartner, G. Sustained fast turbine-generator load response in fossil-fueled power plants 1-43925
- Termuehlen, H.**, Gartner, G. Sustained fast turbine-generator load response in fossil-fueled power plants 1-49292
- Terrasi, F.** *see* Roca, V. 1-38464
- Terrell, M.** Integrity considerations in the design of large digital systems [PCB interconnection] 1-45764
- Terrell, N.J.** *see* Evans, W.D. 1-30490
- Terrell, T.J.** *see* Simpson, R.J. 1-50564
- Terrien, Y.** *see* Alard, J.P. 1-52717
- Terrill, W.A.**, Walendziwicz, E.T., Yee, K.F. Random-access memory implementation of a beamformer 1-48912
- Terry, R.** Why it pays to wash coal 1-53245
- Tersztzyansky, T.** *see* Furedi, M. 1-43652
- Terunuma, Y.** *see* Hosaka, T. 1-36892
- Terunuma, Y.** *see* Miya, T. 1-33063
- Teruoto, M.L.** *see* Kerkhoff, H.G. 1-27462
- Tervola, K.**, Alasaarela, E. A control and communication unit of an ultrasonic holographic imaging system 1-28815
- Tervonen, M.**, Hakalahti, H., Lappalainen, P. A microprogrammable character generator for a CRT phototypesetting system 1-29969
- Terwilliger, K.M.**, Crabb, D.G., Krisch, A.D., Fujisaki, M., Bywater, J.A., Lari, R.J., Ratner, L.G., Courant, E.D., Feltman, A., Lambiase, R., Lee, Y.Y., Ruth, R.D., Smith, L.W. Acceleration of polarized protons in the Brookhaven AGS 1-42787
- Terwilliger, K.M.** *see* Bywater, J.A. 1-52644
- Terzie, I.** *see* Tanovic, N. 1-34419
- Terziev, F.S.**, Girdyuk, G.V., Vinogradov, V.V., Tauber, G.M. The contemporary state of research on the temperature of sea surface 1-48877
- Terziyski, V.**, Miyazono, T., Shiraishi, T., Iida, M. Rectification behaviour of the amorphous semiconductor  $\text{Se}_{32}\text{Te}_{32}\text{As}_8\text{Ge}_{32}$  1-32725
- Tesarek, H.**, Zibuschka, F. Halogen lamp absorption optics. Experience acquired during development and practical testing of phantom-free light signals 1-44467
- Tesauro, G.J.** *see* Mansfield, D.K. 1-37070
- Tesche, F.M.** *see* Gurbaxani, S.H. 1-48778
- Tescher, A.G.** Adaptive transform coding of color images at low rates 1-29110
- Tescher, A.G.** *see* Saghi, J.A. 1-37649
- Teshima, A.** *see* Kiyota, K. 1-33107
- Teshima, K.**, Monji, M., Sekigawa, K., Okamoto, M., Ito, K. Optical-fiber communications systems 1-52111
- Teshima, K.** *see* Kitayama, T. 1-52110
- Teske, M.** *see* Stoff, H. 1-34498
- Tesny, W.** A review of new thyristor designs 1-28013
- Testa, D.** *see* Mossino, S. 1-39175
- Testemale, E.** *see* Palau, J.M. 1-32695
- Tester, B.J.** *see* Ahuja, K.K. 1-43401
- Testerman, M.K.** *see* Renninger, R.G. 1-30265
- Testone, A.Q.** Choosing an air ionizer: factors to consider 1-49991
- Tetel'baum, A.Ya.** On the number of classes of isotopic arrangement of a graph 1-44918
- Tetenbaum, S.J.**, Weiss, J.A. Microwave-aided freeze-drying of foods 1-44571
- Teterycz, H.** *see* Barycka, I. 1-27909
- Tetley, M.** *see* Britton, A. 1-35356
- Tetsusaki, K.** *see* Nemoto, S. 1-33026
- Tetu, M.**, Tremblay, P. On the maximum of the spectral density of the amplitude fluctuations of a maser oscillator 1-46658
- Tetzlaff, D.E.**, Tuszynski, A. An ultra versatile  $\text{I}^2\text{L}$  chip 1-40077
- Tetzner, G.** Berlin II. Glass fibre cables for the Bundespost (West German Post Office) 1-33967
- Teufelberger, V.** The analysis of the magnetomotive force of three-phase fractional-slot windings 1-31170
- Teuling, D.J.A.** *see* Van Essen, H.A. 1-47150
- Teumer, P.** Economic exploitation of the energy potential of natural gas deposits, and problems of extraction and transport 1-49850
- Tevan, G.** *see* Deri, A. 1-43717, 1-49157
- Tew, M.D.** *see* Kajfez, D. 1-27593
- Tewarson, A.** *see* Lee, J.L. 1-34876
- Tewarson, R.P.** *see* Salane, D. 1-39610
- Tewary, V.K.** *see* Sharma, S.K. 1-39126
- Tews, D.** Hessischer Rundfunk's new radio transmission van 1-34045
- Tews, H.** *see* Heime, A. 1-33161
- Texl, K.** Semiconductor protection of large capacitor batteries 1-31487
- Tezikov, I.I.**, Krasnova, T.A., Martynova, O.I. The problem of treating effluents from the water preparation plants of thermal power stations by electrodialysis 1-30972
- Tezuka, Y.** *see* Hayashida, Y. 1-47279
- Tezuka, Y.** *see* Inoue, T. 1-47284
- Tezuka, Y.** *see* Shiono, M. 1-47224
- Thackara, J.I.** *see* Warde, C. 1-38203, 1-40963
- Thacker, J.G.**, O'Reagan, J.R., Aylor, J.H. A wheelchair dynamometer 1-30398
- Thackray, G.J.** *see* Heyda, P.G. 1-44435
- Thackston, K.** *see* Salasin, J. 1-49940
- Thaker, G.H.** *see* Cain, J.B. 1-29448
- Thaker, G.H.** *see* Clark, G.C., Jr. 1-33553
- Thakur, S.N.** *see* Singh, J.P. 1-46680
- Thaller, L.H.**, Nice, A.W. Fluid battery promises economical storage 1-31489
- Thaller, L.H.** *see* Reid, M.A. 1-31416
- Thangamuthu, K.**, Weiant, M. Changing management strategies for high technology environments 1-31809
- Thapar, B.** *see* Gupta, B.R. 1-49173
- Thapar, H.K.**, Leon, B.J. Volterra series characterization of nonlinear systems 1-50391
- Tharakraj, M.** *see* Ramaswamy, M.P. 1-31009
- Thatcher, G.** *see* Davidson, D.F. 1-38873
- Thatcher, R.** *see* Gavin, B. 1-43184
- Thaxton, B.** Recording and computerizing DC distribution power drains as related to central office usage (CCS) 1-42027
- Thayer, D.R.**, Lyons, P.B., Looney, L.D., Zongker, L.K., Selk, R., Manning, J., Malone, R., Stokes, G. Fabrication, assembly, and calibration of a 144-fiber signal transmission system 1-52120
- Thayer, D.R.** *see* Hodson, E.K. 1-47184
- Thayse, A.** Programmable and hardwired synthesis of discrete functions. I. One level addressing networks 1-32130
- The Giam, H.** *see* Ai, B. 1-28176
- Theasby, G.T.** An external battery pack for the Trio 2300 [transceivers] 1-52072
- Thebault, D.**, Jastrzebski, L. Review of factors affecting warpage of silicon wafers 1-27912
- Thebault, D.** *see* Hanna, V.F. 1-32393
- Thebault, M.** General characteristics of the time-division multiple access system for the Telecom 1 programme 1-47591
- Thebault, P.** *see* Beuchet, G. 1-50295
- Thedens, M.**, McQuillan, J.M. Electronic mail made easy 1-47353
- Thedin Hendriksen, N.** *see* Zsombor-Murray, P.J. 1-34560
- Theede, W.** 'Installed and forgotten' temperature transmitter in the terminal box of thermometers 1-48067
- Theeuwen, J.F.M.**, Jess, J.A.G. A new approach to the biasing problem and the fault localization of nonlinear electronic circuits 1-50390
- Theilacker, J.**, Rode, C., Makara, J., Richied, D., Leininger, M., Ferry, R., Mizicko, D., Misek, J. Fermilab Energy Saver refrigeration system tests 1-42825
- Theile, G.** On the compatibility of artificial-head signals with intensity-stereophony signals for loudspeaker reproduction. The directional image 1-34166
- Theis, D.** *see* Ziegler, G. 1-33158
- Theis, J.** Push-button telephone 1-33850
- Thelen, A.** Nonpolarizing edge filters 1-28550
- Thenard, J.M.** *see* Declais, Y. 1-30359
- Theobald, G.** *see* Hauden, D. 1-36776
- Theobald, J.-G.** *see* Gagnepain, J.-J. 1-40757
- Theodoridis, S.**, Cooper, D.C. Application of the maximum entropy spectrum analysis technique to signals with spectral peaks of finite width 1-37530
- Theodoridis, S.** *see* Shearman, E.D.R. 1-46937
- Theodorou, E.A.**, Gorman, M.R., Rigg, P.R., Kong, F.N. Broadband pulse-optimised antenna 1-41391
- Theodosion, G.E.** *see* Kononenko, W. 1-52672
- Theodossiou, L.** Colour portable project. I 1-47787
- Thepot, J.** Cluster analysis for graph coloring 1-44904
- Thera, M.** A remark on the young transformation of convex operators 1-44963
- Therez, F.** *see* Esteve, D. 1-53640
- Therault, K.B.**, Zeskind, R.M. Inherent bias in wavefront curvature ranging 1-41662
- Therrien, C.W.** Relations between 2-D and multi-channel linear prediction 1-41651
- Thessen, O.** *see* Magnhagen, B. 1-40064
- Theus, U.**, Leutiger, H. A self-testing ROM device 1-27474
- Theus, U.**, Leutiger, H. Simultaneous self-test of unsawn IC wafers 1-40655
- Thevenin, J.** *see* Epelboin, I. 1-44345
- Thevenin, J.C.** *see* Bourdinand, M. 1-43221
- Theysohn, H.** *see* Guth, V. 1-38499
- Thibault, C.** *see* Touchard, F. 1-52732
- Thibon, D.** Alternative supply of medium-voltage urban substations 1-35207
- Thibon, D.** *see* Messenger, P. 1-49096
- Thicke, R.H.** Practical solutions for draft tube instability 1-31085
- Thiebaud, J.-M.**, Roussy, G. Practical microwave circuits for groove waveguides 1-45632
- Thieberger, P.**, Wegner, H.E., Lee, R.C. Multiple event 2D image intensifier scintillation detector 1-52692
- Thieberger, P.**, Wegner, H.E., McKeown, M., Lindgren, R., Burn, N., Broadhurst, J.H., Lund, T.S., Miller, T.E., Sato, K., Gingell, C.E.L., Barker, T.A., Parker, P.D., Bromley, D.A. The North American MP tandem accelerators 1-42849
- Thiel, F.A.** *see* Heller, A. 1-35353
- Thiel, F.A.** *see* Menezes, S. 1-36542
- Thiel, R.** *see* Jager, H. 1-49706
- Thiele, G.** Thyristor valves for the Acaray HVDC coupling station in Paraguay 1-30708
- Thielemann, G.** State and development trends of the measuring technique for the optical fibre communications 1-46529
- Thielen, H.** Reduction of the strut radiation of reflector antennas 1-51720
- Thielheim, K.O.**, Wiese, H. Damping of electromagnetic wave resonances in a strongly magnetized plasma 1-28928
- Thieme, W.**, Fill, E. Hyperfine relaxation in the iodine photodissociation laser 1-28632
- Thierfelder, W.G.** *see* Minetti, R.H. 1-45792
- Thierry-Mieg, V.** *see* Mariette, H. 1-35951
- Thierry-Mieg, V.** *see* Joulie, A. 1-36505
- Thiessen, H.A.** *see* Ransome, R.D. 1-43200
- Thijs, P.** *see* Nijman, W. 1-37130
- Thijssen, J.M.** *see* Van Kervel, S.J.H. 1-30571
- Thim, H.W. (editor)** Gallium Arsenide and Related Compounds, 1980. Eighth International Symposium on Gallium Arsenide and Related Compounds 1-49879
- Thimmesh, D.** *see* Latos, T. 1-31339
- Thinschmidt, H.** *see* Birzele, P. 1-37772
- Thione, L.** The dielectric strength of large air insulation 1-30789
- Thioulouse, P.**, Careno, A., Guglielmi, R. High-speed modulation of an electrooptic directional coupler 1-33084
- Thioulouse, P.** *see* Careno, A. 1-36969
- Thiran, J.P.** *see* Defert, Ph. 1-50568
- Thirion, A.** *see* Ponghis, N. 1-49829
- Thirlwell, J.**, Howell, R.G. OTS and radiometric slant-path measurements at Martlesham Heath (UK) 1-28891
- Thirlwell, J.**, Howell, R.G. Slant-path attenuation measurements in the range 12-30 GHz using OTS and passive radiometers at Martlesham Heath 1-46904
- Thirlwell, J.** *see* Howell, R.G. 1-28900, 1-46907
- Thiruvengadam, S.** *see* Indulkar, C.S. 1-42151

- Thoi Nguyen van *see* Nguyen van Thoi
- Thode, L.E. *see* Guiragossian, Z.G.T. 1-48408
- Thoen, B.K. Solid-state reference potential trans-lator replaces current-sense transformer in SMPS 1-27250
- Thom, G. The mechanical design of the new EWSD public digital telephone switching system 1-42085
- Thom, H. Stereodynamic interference currents therapy. Foundation and first results 1-30469
- Thoma, G.R. Transmission of information: an overview 1-29435
- Thoma, G.R. *see* Murray, G.G. 1-41696
- Thoma, N.G. *see* Cases, M. 1-27542
- Thoma, N.G. *see* Kraft, W.R. 1-27413, 1-28109, 1-36198, 1-36199, 1-45393
- Thoma, N.G. *see* Moore, V.S. 1-27414
- Thoma, W. *see* Wendtlandt, B. 1-34064
- Thomadsen, B.R. Principles in positioning cross-projecting lasers 1-43373
- Thomae, I.H., Laaspere, T., Blue, R.F., Miller, M.H., Gulachenski, E.M., Levitsky, F.J., Collins, C.J. Residential load-survey and analysis system 1-34788
- Thomae, I.H., Laaspere, T., Blue, R.F., Miller, M.H., Gulachenski, E.M., Levitsky, F.J., Collins, C.J. Residential load-survey and analysis system 1-43535
- Thoman, D. Automated test and calibration of gas turbine engine fuel controls 1-52849
- Thomaneck, L. *see* Schliffenbacher, F. 1-29030
- Thomann, G.C. *see* Jong, M.T. 1-53046
- Thomas, A.A. Filter design with voltage-controlled voltage sources 1-36251
- Thomas, A.A. Sound synthesis using Walsh functions 1-42472
- Thomas, A.R. *see* White, L.J. 1-42036
- Thomas, B.M. *see* Williams, D.R. 1-42368
- Thomas, C. Microprocessor-based product design 1-26832
- Thomas, D. *see* Boussard, D. 1-48497
- Thomas, D. *see* Faugier, A. 1-48459
- Thomas, D. *see* Horton, R. 1-45354
- Thomas, D.C., Jr. *see* Bateson, J.E. 1-46595
- Thomas, D.E. *see* Director, S.W. 1-45410
- Thomas, D.E. *see* Leive, G.W. 1-45426
- Thomas, D.E., Jr. *see* Director, S.W. 1-45395
- Thomas, D.G. *see* Bradford, M. 1-49091
- Thomas, D.R. No-device RAM cell 1-50498
- Thomas, E. *see* Paquet, R. 1-26943
- Thomas, E.C. *see* Jones, T.B. 1-48867
- Thomas, E.L. Module cap cover [IC components mounting] 1-26938
- Thomas, G. An improvement of the Van-Cittert's method [of iterative deconvolution] 1-37588
- Thomas, G. A modified version of Van-Cittert's iterative deconvolution procedure 1-45033
- Thomas, G. *see* Goo, E.K.W. 1-40744
- Thomas, G. *see* Mishra, R.K. 1-46427
- Thomas, G. *see* Roth, T.F. 1-27093
- Thomas, G.E. Carbon stripper foils for heavy ion accelerators 1-38355
- Thomas, G.E. A nonlinear gyro-device theory 1-45635
- Thomas, G.S., Southwood, W.A. Coverage predictions for a transmitter on an elevated site 1-41312
- Thomas, H. *see* Henning, I.D. 1-36478
- Thomas, H.B. *see* Campbell, J.A. 1-51942
- Thomas, H.D. *see* Sims, M.R. 1-34465
- Thomas, I.P., Hargreaves, M., Turner, D.P., Thompson, M.J., Allison, J. The preparation and properties of reactively sputtered amorphous Si and III-V compounds 1-35976
- Thomas, I.P. *see* Turner, D.P. 1-45108
- Thomas, J. *see* Abdalla, M.I. 1-41023
- Thomas, J., Jr. *see* Snyder, D.L. 1-48680
- Thomas, J.B. *see* Abrahams, J. 1-39561, 1-50147
- Thomas, J.E. *see* Monchalín, J.-P. 1-28758
- Thomas, J.H., Carlson, D.E. An AES/XPS study of the chemistry of palladium on hydrogenated amorphous silicon Schottky barrier solar cells 1-31457
- Thomas, J.W., Arnold, R.G. Architectural considerations for a post focal plane programmable signal processor [image sensors] 1-47992
- Thomas, L.C. *see* Murphy, B.T. 1-32316
- Thomas, L.D., Hurt, D.T., Simpson, P.S., Page, I.R. Development of computerised telecontrol in the last decade—experience in two UK Area Boards 1-48986
- Thomas, L.J., Jr. *see* Clark, K.W. 1-52786
- Thomas, M.P. Lower bounds for commutative radical Banach algebras 1-44777
- Thomas, M.V. *see* Cornwall, M.C. 1-34257
- Thomas, M.W. *see* Hardy, A.D. 1-52747
- Thomas, N. Graphics is aiming at the sceptics 1-29397
- Thomas, N.C. Incorporating software into nuclear power plant system design 1-34994
- Thomas, N.G. *see* Ashley, C.L. 1-36077
- Thomas, R.N., Hobgood, H.M., Barrett, D.L., Eldridge, G.W. Large diameter, undoped semi-insulating GaAs for high mobility direct ion implanted FET technology 1-27104
- Thomas, R.N., Hobgood, H.M., Eldridge, G.W., Barrett, D.L., Braggins, T.T. Growth and characterization of large diameter undoped semi-insulating GaAs for direct ion implanted FET technology 1-35940
- Thomas, R.W. Electricity supply problems in a modern pyramid 1-38734
- Thomas, R.W., Jr. Unique 115-kV bridge crossing problems solved 1-34898
- Thomas, S.A. *see* Trutt, F.C. 1-53012
- Thomas, S.J. *see* Figueira, J.F. 1-28749
- Thomas, T.C. *see* Moen, D.N. 1-27408
- Thomas Hsu Cheng-Tzu *see* Cheng-Tzu Thomas Hsu
- Thomason, A. *see* Bollobas, B. 1-50210
- Thomassen, C. *see* Grottschel, M. 1-39583
- Thomasset, D. *see* Masson, J.P. 1-48237
- Thomassin, R. *see* Michel, P. 1-31697, 1-35529
- Thome, R.J. *see* Hilal, M.A. 1-33011
- Thome, R.J. *see* Iwasa, Y. 1-28370
- Thommessen, I., Kindlin, E.K., Bryde, T., Trevaland, R., Strandhagen, T., Hansen, E. The Norwegian telex system 1-47345
- Thompkins, W.T., Jr. *see* Haymann-Haber, G. 1-34406
- Thompson, A. *see* O'Sullivan, D. 1-48637
- Thompson, A.H. Thermodynamics of Li intercalation batteries: entropy measurements on  $\text{Li}_x\text{TiS}_2$  1-53600
- Thompson, A.H. *see* Johnson, J.W. 1-39106
- Thompson, A.R. Effects of a satellite power system on ground-based radio and radar astronomy 1-29828
- Thompson, C.E. *see* Speck, D.R. 1-51409
- Thompson, C.J., Peters, T.M. A fractional address accumulator for fast back-projection 1-48681
- Thompson, D.J., Coisson, R., Erickson, M., Le Duff, J., Hofmann, A., Husmann, D., Mulhaupt, G., Poole, M.W., Renard, M., Sommer, M., Suller, V.P., Tazzari, S., Wang, F.H. The 'all wiggler' synchrotron radiation source 1-48292
- Thompson, D.R. Finger position detect method 1-30003
- Thompson, D.R. *see* Jansen, L.A. 1-27770
- Thompson, D.R. *see* Pearson, K.A. 1-38246
- Thompson, D.S. *see* Cullen, J.J.A. 1-53383
- Thompson, D.V. *see* Kaul, S.K. 1-50184
- Thompson, E. *see* Holmes, A.J.T. 1-43191
- Thompson, G. *see* Schischa, E. 1-45390
- Thompson, G.B. The information technology 1-29280
- Thompson, G.H.B. Temperature dependence of threshold current in  $(\text{GaIn})(\text{AsP})\text{DH}$  lasers at 1.3 and 1.5  $\mu\text{m}$  wavelength 1-28715
- Thompson, G.H.B. Temperature sensitivity of long-wavelength lasers 1-41110
- Thompson, G.H.B. Stripe geometry heterojunction injection lasers and the effect of optical and carrier confinement 1-51476
- Thompson, G.L., Wall, D.L. A branch and bound model for choosing optimal substation locations 1-43614
- Thompson, J. Matched JFETs improve op amp performance 1-32192
- Thompson, J.B. *see* Iwasa, Y. 1-28370
- Thompson, J.D. The South Island concessional tariff—is it a concession? 1-43569
- Thompson, J.D. *see* Lim, K.C. 1-46463
- Thompson, J.D. *see* Maley, M.P. 1-28279
- Thompson, J.D. *see* Willis, J.O. 1-45957
- Thompson, J.E. Visual Services Trial: British Telecom proposals for trials of teleconference and new visual services 1-42451
- Thompson, J.E. Visual services trial—the British Telecom system for teleconferencing and new visual services 1-47614
- Thompson, J. Neils *see* Neils Thompson, J.
- Thompson, L.D. *see* Schuman, H.K. 1-52158
- Thompson, L.F. *see* Bowden, M.J. 1-45799
- Thompson, M.E. *see* Atkinson, C. 1-26980
- Thompson, M.J., Johnson, N.M., Nemanich, H.J., Tsai, C.C. Silicide formation in Pd-a-Si:H Schottky barriers 1-50823
- Thompson, M.J. *see* Johnson, N.M. 1-45941
- Thompson, M.J. *see* Rosenblum, M.P. 1-45107
- Thompson, M.J. *see* Thomas, I.P. 1-35976
- Thompson, M.J. *see* Tsai, C.C. 1-45992
- Thompson, M.J. *see* Turner, D.P. 1-45108
- Thompson, P. Logic probe 1-27431
- Thompson, P., Bertsche, A., Fuhrmann, J., Greene, A., Grove, E., Repeta, L., Short, F., Tannenbaum, M., Wanderer, P. Mechanical properties of ISABELLE superconducting coils 1-43118
- Thompson, P. *see* Jonckheere, A. 1-30300
- Thompson, P. *see* Wanderer, P. 1-43097
- Thompson, R.B. The relationship between radiating body forces and equivalent surface stresses: analysis and application to EMAT design 1-39826
- Thompson, R.D. *see* Tu, K.N. 1-32698
- Thompson, R.E., Akers, F.I. Polarization maintaining single-mode fibers 1-36910
- Thompson, R.E., Glavas, X.G., Kalomiris, V.E., Wichansky, H. Fiber optic cable coil packs for air deployment 1-33068
- Thompson, R.J., Cropper, D.R., Whitaker, B.W. Bondability problems associated with the Ti-Pt-Au metallization of hybrid microwave thin film circuits 1-45844
- Thompson, R.J. *see* Dizon, F.S. 1-45808
- Thompson, S. *see* Rodabaugh, D.J. 1-45054
- Thompson, S.J. *see* Oberbeck, P.E.R. 1-51867
- Thompson, T.J. Designer's Workbench: providing a production environment 1-27213
- Thompson, T.J. *see* McDonald, P.H. 1-27212
- Thompson, T.W., Weissman, D.E., Gonzalez, F.I. Seasat SAR cross-section modulation by surface winds: COASEX observations 1-52940
- Thompson, V. *see* Hugh, J.R. 1-53212
- Thompson, W.J. *see* Gould, C.R. 1-43169
- Thomsen, C., Hec, J. Analysis of non-stationary signals—digital filters vs. FFT 1-37446
- Thomsen, D. Electronic editing of digital sound recording 1-29945
- Thomsen, D. The electronic section of a digital sound recorder. II 1-38068
- Thomson, D.J. Observations on FM in a Rayleigh channel 1-33453
- Thomson, D.J. Spectrum estimation via orthogonal windows 1-33462
- Thomson, D.J., Mاتيowski, M.A., Card, H.C. Stability of aluminium-polysilicon photovoltaic junctions 1-44358
- Thomson, J.M., Evans, R.H. The UK Ministry of Defence programme on the electromagnetic properties of carbon fibre composites 1-33366
- Thomson, P.J. *see* Hannan, E.J. 1-41655
- Thoresen, F. Situation and prospects of suppliers [telecommunications] 1-33739
- Thoresen, P.E. Impact of energy price rises on costs: a thermodynamic analysis 1-49907
- Thorington, L. *see* Brett, J. 1-44465
- Thorn, C.E., Chasman, C., Baltz, A.J. New magnet pole shape for isochronous cyclotrons 1-42795
- Thorn, C.E. *see* Baltz, A.J. 1-42897
- Thorn, C.E. *see* Becchetti, F.D. 1-38413
- Thorn, L.C. Experience with London Transport's traction motors 1-44119
- Thorn, W.R. Wind energy for remote telecommunications power 1-42169
- Thorner, K.K. Resistive-gate-induced thermal noise in IGFETs 1-50930
- Thorne, D.H. *see* Gooi, H.B. 1-49261
- Thorne, D.H. *see* Lee, T.H. 1-34832
- Thorne, D.H. *see* Phi, D.T. 1-43988
- Thorne, J.M. Photodynamic treatment of diseases 1-34639
- Thorne, J.P. *see* Engh, R.O. 1-32049
- Thorne, T.G. *see* Gray, T. 1-29815
- Thornton, J.A. High rate sputtering techniques [using magnetron sources] 1-50322
- Thornton, J.A., Cornog, D.G., Anderson, W.W. Indium doped cadmium sulfide films deposited by cylindrical magnetron reactive sputtering 1-45117
- Thornton, M.J. *see* Rhodes, J.D. 1-45221
- Thornton, R.L. Schottky-barrier elevation by ion implantation and implant segregation 1-45993
- Thornton, R.L., Kino, G.S. Monolithic ZnO on Si Schottky diode storage correlator 1-36756
- Thorp, J.S. *see* Phadke, A.G. 1-34949, 1-43785
- Thorp, W.E. *see* Vant, M.R. 1-29804
- Thorpe, T. *see* Kang, S.D. 1-27472
- Thorpe, T.L., Barnes, F.S., Gage, D.S. Millimeter wave ellipsometer 1-34369
- Thorson, J.M., Jr., Greenfield, S.R., Misselt, A.L. In operator training 1-43520
- Thorson, J.M., Jr., Misselt, A.L. Analysis—the key to successful electric utility training courses 1-34786
- Thorson, J.M., Jr., Misselt, A.L. Analysis—the key to successful electric utility training courses 1-43533
- Thorvaldsen, T. A comparison of the least squares method and the Burg method for autoregressive spectral analysis 1-47171
- Thoss, J.L. *see* Judd, G.W. 1-32942
- Thottuvelli, V.J., Wilson, T.G., Owen, H.A., Jr. Analysis and design of a push-pull current-fed converter 1-53548
- Thouret, W.E. *see* Brett, J. 1-44465
- Thrane, E.V., Bradley, P.A. High frequency sky-wave prediction methods and observational data for high-latitude communication circuits 1-46939
- Thrane, N. Frequency analysis using Zoom-FFT 1-32046
- Thresher, R.W. *see* Moretti, P.M. 1-35107
- Thron, W.J. *see* Jones, W.B. 1-26973
- Thrower, F. *see* Kai Chang 1-45685
- Thrush, E.J. *see* Whiteaway, J.E.A. 1-46737
- Thue, M. Telecommunications terminology 1-29261
- Thuillier, H. *see* Delorme, C. 1-39587
- Thullen, P., Weldon, D., Wollan, J. A high-field bipolar loss measurement apparatus 1-30230
- Thum, E. *see* Schamberger, R. 1-35193
- Thumm, M. *see* St. Louis, J. 1-44715
- Thummler, K. *see* Hauschild, W. 1-47873
- Thun, H.-J. *see* von Thun, H.-J.
- Thurat, B., Kraft, R. CAD system also for design tasks in switchgear construction 1-53584

- Thurber, K.T., Jr. Multiband antennas: the trap dipole. I 1-28992
- Thurber, K.T., Jr. Multiband antennas: the trap dipole. II 1-37370
- Thurber, K.T., Jr. A look at the longwire. I 1-51703
- Thurber, W.R. See Larrabee, R.D. 1-40388
- Thurlow, I.G., Phipps, G.H.G. Magnetically beamed triodes I-32551
- Thurlow, P.E. Submillisecond measurements of system optical modulation functions in mosaic focal plane arrays 1-47988
- Thurston, R.N. Unit sphere description of liquid-crystal configurations 1-46586
- Thurzo, I., Jakubovic, J. Deep-level transient current spectroscopy applied to MIS devices 1-46021
- Thuss, J. Viewdata—a new medium? 1-37727
- Thutupalli, G.K.M. Improved digital solar aspect sensor for space vehicles 1-38199
- Thyagarajan, K., Kumar, A., Goyal, I.C. Exact analysis of the evanescent coupling between two indiffused optical waveguides 1-36962
- Thyagarajan, K. See Ghatak, A. 1-33067
- Thyagarajan, K.S. Design of 2-D IIR digital filters with circular symmetry by transformation of the variable 1-40120
- Thyagarajan, N. See Agnihotri, K. 1-50009
- Thylen, L., Arvidsson, G., Stensland, L. Electrooptic spectrum analyzer: theoretical and experimental studies 1-42583
- Thylen, L., Stensland, L. Electrooptic approach to an integrated optics spectrum analyzer 1-36963
- Thynes, R.S. AGC prevents noise build-up in voice-operated mike 1-42456
- Tian Mu Gallium arsenide planar diffused varactor 1-27611
- Tian-duo Sun see Sun Tian-duo
- Tian-long Yang see Yang Tian-long
- Tianli Pei see Pei Tianli
- Tibbling, L. See Ask, P. 1-43272, 1-43283
- Tibilov, V.K. See Bert, N.A. 1-27792, 1-39779
- Tibilov, V.K. See Gorelenok, A.T. 1-28574
- Tice, G.D., Jr. Gaining acceptance for software quality control 1-50035
- Tice, W.B., Bisbee, L.S. Testing program assures aerial life safety 1-30643
- Tich, L. Van see Van Tich, L.
- Tichatschke, R., Hofmann, B. On the quasi-solution of overdetermined ill-conditioned systems of linear equations and its realization by means of parametric linear programming 1-31997
- Tidy, D. See Stevens, C.G. 1-43958
- Tiedje, T., Rose, A., Cebulka, J.M. A physical interpretation of dispersive transport in amorphous silicon hydride 1-50798
- Tiedje, T. See Abeles, B. 1-49670
- Tiefenback, M. See Chupp, W. 1-48405
- Tien, P.C. Self power-up driver for read-only memory 1-27424
- Tien, P.C. Bit line selection circuit for programming level voltages in an electrically alterable read-only storage 1-36201
- Tien, P.K. Rules of refractive index and a potential well model of the optical waveguides 1-51192
- Tien, P.K. See Kirsch, S.T. 1-51216
- Tien Ping-King see Ping-King Tien
- Tien Tsai Yang Modeling of CW chemical laser with annular unstable resonator 1-28620
- Tien-Lin Chang, White, S.A. An error cancellation digital-filter structure and its distributed-arithmetic implementation 1-32348
- Tien-shou Wu, Shiramatsu, T., Shin-hong Jwo Anodized aluminum substrate of composite type for thick film and printed circuit board 1-45819
- Tier, C. An analysis of neutral-alleles and variable-environment diffusion models 1-50152
- Tierney, J., Malpass, M.L. Enhanced CVSD—an embedded speech coder for 64-16 KBPS 1-41584
- Tierney, V. The nature and rate of creepage of copper sulfide tarnish films over gold 1-45731
- Tiet Pham, Lindquist, C.S. Low drift filter design using root locus 1-36252
- Tietgen, K.H. A receiver for a branched optical PCM-30-radial network 1-42229
- Tietze, A.R. Disk file with reduced or eliminated air effects 1-36822
- Tietze, C. Modern a.c. tractive units with contactless drive technique 1-35433
- Tighel, S. See Dobre, M. 1-53103
- Tigner, M. Accelerator R/D in the US high energy physics program—past, present and future 1-48304
- Tigner, M. See Billing, M. 1-42862
- Tigner, M. See Kirchgessner, J. 1-48534
- Tigner, M. See Padamsee, H. 1-43106
- Tigner, M. See Rice, D. 1-42989
- Tigner, M. See Seeman, J. 1-43023
- Tihany, J. See Freundel, P. 1-28040
- Tihanyi, J. MOS power devices—trends and results 1-36643
- Tihanyi, P. See Lindstrom, C. 1-51470
- Tijhuis, A.G. Iterative determination of permittivity and conductivity profiles of a dielectric slab in the time domain 1-41206
- Tijms, H.C., Van Hoorn, M.H., Federgruen, A. Approximations for the steady-state probabilities in the M/G/c queue 1-26982
- Tijs, S.H. A characterization of the value of zero-sum two-person games 1-35727
- Tijs, S.H. Nash equilibria for noncooperative n-person games in normal form 1-35728
- Tijs, S.H., Jansen, M.J.M. Approximation of arbitration games by finite subgames 1-44811
- Tijs, S.H. See Jansen, M.J.M. 1-44809
- Tikhonov, A.A. See Khaletskiy, M.B. 1-36824
- Tikhonov, A.N. Regarding approximate systems of linear algebraic equations 1-39491
- Tikhonov, A.S. A 2X25 kV system in operation 1-53732
- Tikhonov, E.A. See Prokhorenko, V.I. 1-51402
- Tikhonov, E.G. See Aleikin, V.V. 1-48670
- Tikhonov, V.I., Kharisov, V.N. Optimum reception of randomly delayed discrete signals 1-37524
- Tikhonov, V.I., Kharisov, V.N. Optimum reception of discrete signals and the clock synchronization 1-37525
- Tikhonov, V.M. See Saplinov, L.S. 1-31234
- Tikhonov, V.Yu. See Eremenko, L.Ya. 1-43918
- Tikhov, S.V. See Bednyi, B.I. 1-32651, 1-37009
- Tikishev, T.S. See Fedorin, A.K. 1-30787
- Tiku, M.L., Singh, M. Testing the two parameter Weibull distribution 1-50140
- Tilborg, A.M. van see van Tilborg, A.M.
- Tilborg, H.C.A. van see van Tilborg, H.C.A.
- Tilborg, H.C.A. van see Van Tilborg, H.C.A.
- Tilch, H.J. See Lueder, G. 1-45477
- Tilles, E. See Krafczyk, G. 1-43065
- Tilley, B.J. See Gaskill, J.R., Jr. 1-45840
- Tillinghast, J. See Forbes, L. 1-47902
- Tilson, J. See Blitz, J. 1-35994
- Tilton, E.L., III Application of space remote sensing technology to living marine resources in coastal zones 1-52932
- Tilton, R.A. See Bischel, W.K. 1-51356
- Timan, B.L. See Adol'f, E.M. 1-32903
- Timan, H. On the relationship of optical data and emission in thin film photocathodes 1-32536
- Timberlake, A.B., Pearson, R.C., Janssen-McKee, J.L. Reliability of multi-layer leadless ceramic chip carrier hybrids 1-45841
- Timchenko, I.N. See Ivanova, G.N. 1-27807
- Timmons, M.L., Bedair, S.M. GaAsSb and AlGaAsSb tunnel diodes 1-36585
- Timmons, M.L. See Bedair, S.M. 1-53685
- Timoc, C.C., Hess, L.M., Stott, F.R. Test vectors development and optimization for a microprocessor 1-36230
- Timofeev, A.V. Electroradiographic inspection of cast blades 1-35987
- Timofeev, B.S. See Bychkov, B.N. 1-29849
- Timofeev, I.B. See Aleksandrov, A.F. 1-45849
- Timofeev, N.A. See Milenin, V.M. 1-35493
- Timofeev, O.P. See Arzhanikov, Yu.N. 1-51822
- Timofeev, S.A. See Vildgrube, G.S. 1-29898
- Timofeev, V.B. See Egorov, V.D. 1-46624
- Timofeev, V.P. See Arkhipkin, V.G. 1-51521
- Timofeev, Yu.M., Rozanov, V.V. Determination of CO and N<sub>2</sub>O profiles from measurements along inclined routes in the microwave spectrum 1-48861
- Timofeev, Yu.P. See Zemskov, K.I. 1-38146
- Timofeeva, V.A., Belyaev, L.M., Ursulyak, N.D., Belitsky, A.V., Bykov, A.B., Prilepo, V.M. Use of recrystallized Y<sub>2</sub>Fe<sub>2</sub>O<sub>7</sub> seeds for growing yttrium iron garnets from flux 1-39737
- Timofeev, Ju.I. See Martynova, O.I. 1-30983
- Timofeyev, A.L. See Aminov, A.M. 1-50951
- Timofeyeva, T.S., Yefimov, A.I., Yakovlev, O.I. Effect of refraction on amplitude fluctuations of waves, observed during radio wave occultation of Venus atmosphere 1-37316
- Timonin, V.K. See Meerovich, E.A. 1-43681
- Timonov, V.V. See Borukayev, T.B. 1-32225
- Timonova, E.M. See Borukayev, T.B. 1-32225
- Timor, U. Improved decoding scheme for frequency-hopped multilevel FSK system 1-29079
- Timor, U. Improved decoding scheme for frequency hopped multilevel FSK system 1-33543
- Timor, U. Multistage decoding of frequency-hopped FSK system 1-47262
- Timoshenko, G.M., Lenenko, S.A., Zhmurko, V.A., Vvedenskii, V.N., Cheshenko, G.V. Hydropulse converters for cleaning power-generating plant 1-49274
- Timoshenko, V.S. See Brailov, E.S. 1-30091
- Timoshik, N.I. See Kinash, B.M. 1-34930
- Timossi, C. See Magyary, S. 1-38333, 1-42922
- Timothy, J.G., Mount, G.H., Bybee, R.L. Multi-anode microchannel arrays 1-34285
- Timotin, A., Zissu, S. End teeth saturation effects on their magnetic and thermic constraints 1-31187
- Tims, A.C. Effects of multidimensional stress on radially polarized piezoelectric ceramic tubes 1-46365
- Tin Lam see Lopez, O. 1-40801
- Tinchev, S.S. See Liharev, K.K. 1-33007
- Tindall, R. See Akiyama, J. 1-31984
- Ting, B.Y., Luke, Y.L. Conversion of polynomials between different polynomial bases 1-39664
- Ting, C.H. See Liu, C.Y. 1-40833
- Ting, C.H. See Murata, K. 1-50855
- Ting, Y.M. See Ritchie, L.C. 1-50501
- Ting Chen-Hanson see Chen-Hanson Ting
- Ting Mei-Ling see Mei-Ling Ting
- Ting Zhang see Zhang Ting
- Ting-ting Zhi see Zhi Ting-ting
- Tinini, M.V. See Miroljubov, V.N. 1-37315
- Tinker, L.A. See Pickett, D.F. 1-31435
- Tintori, S. See Antoniazzi, P. 1-29953
- Tinyakova, I.M. See Berezhinskiy, A.I. 1-49281
- Tio, J.B.K., Hall, E.L. Selecting edges in chest radiographs using local statistics 1-43296
- Tippens, W.B. See Hollas, C.L. 1-43199
- Tippling, D. See Hesmondhalgh, D.E. 1-33314
- Tipton, H. EDM—how it works and where it's going 1-53819
- Tirado, C. See de los Rios, F.J. 1-52029
- Tirandaz, N. The recognition of nursery rhymes. The contribution of semantics 1-47152
- Tiratsuyan, O.E. See Nazikyan, A.G. 1-38997
- Tirkel, A.Z., Troup, G.J., Francey, J.L.A., San, S.S. Millimetre wave spectra for solid samples in pulsed magnetic fields 1-52569
- Tirro, S. Possibilities offered by digital satellite communications for national communications in a European country 1-47625
- Tirro, S. See Matricciani, E. 1-46867
- Tischer, E., Wagner, E., Zeilinger, H., Forster, F. Flaw detection at thin wall tubes with flaw depth in the  $\mu$ m-range by stray-flux and eddy-current 1-35993
- Tischer, P. See Pink, H. 1-34268
- Tischmeier, R. The MIS-field effect transistor as detector for acoustical surface waves and its application for interpreting its signals 1-30077
- Tishchenko, A.V. See Parriaux, O. 1-28477
- Tishchenko, A.V. See Sychugov, V.A. 1-28673
- Tishchenko, N.F. See Matov, A.Ya. 1-44803
- Tishchenko, R.P. See Grigor'yants, V.V. 1-28698
- Tishchenko, S.P. See Zhilin, N.S. 1-41450
- Tishchenko, V.N. Investigation of the dynamics of cargo cranes using electrical coupling of drive-motor rotors 1-31748
- Tishkovsky, E.G. See Akhmetov, V.D. 1-27790
- Tisone, G.C., Hoffman, J.M. Effect of rare-gas diluents on the performance of an XeCl laser pumped by a high-intensity electron beam 1-51328
- Tisone, G.C., Hoffman, J.M., Moreno, J.B. Studies of the XeCl laser system at excitation rates of 0.4-5.0 MW/cm<sup>2</sup> 1-51390
- Tissier, G. Importance of surface reactions in electronic interconnections 1-27673
- Tistol, N.K. See Ryaben'kii, V.M. 1-53525
- Titchener, P.F. See Widrow, B. 1-37603
- Titchmarsh, J. See Kashyap, R. 1-36894
- Titenkov, A.F. See Malkiel, G.S. 1-30358
- Titko, A.I. The influences of conducting rotor shells on certain characteristics of a cryoturbogenerator 1-31192
- Titlebaum, E.L. Time-frequency hop signals. I. Coding based upon the theory of linear congruences 1-47117
- Titlebaum, E.L., Sibul, L.H. Time-frequency HOP signals. II. Coding based upon quadratic congruences 1-47118
- Titlebaum, E.L. See Sibul, L.H. 1-29785
- Titli, M. See Sartori, M. 1-27477
- Titov, A.N. See Koshelyaevskii, N.B. 1-48250
- Titov, V.A. See Ageyev, A.I. 1-42866
- Titov, V.S. See Gos'kov, P.I. 1-48117
- Titov, V.V. See Gusev, V.N. 1-43511
- Titov, Yu.M. See Ignat'eva, N.V. 1-38024
- Tittel, F.K. See Marowsky, G. 1-41048
- Tittle, L.R. See Kutch, G. 1-26954
- Tiuri, M., Jokela, K., Heikkilä, S. Microwave instrument for accurate moisture and density measurement of timber 1-48261
- Tiwari, B.K., Srivastava, O.N. On the formation of polytypes in CdTe thin films 1-40402
- Tiwari, S. See Woodward, D.W. 1-50789
- Tiwari, S.N. See Nanda, S.P. 1-53058
- Tiwen Fan see Fan Tiwen
- Tiyamoto, T. See Ueda, Y. 1-49616
- Tiziani, H.J. See Kuchel, F.M. 1-46809
- Tjapkin, D., Milanovic, V., Spasojevic, Z. The Einstein relation for two-dimensional strongly inverted layers 1-28032
- Tjapkin, D.A. See Ramovic, R.M. 1-36621
- Tjapkin, D.A. See Tosic, T.I. 1-45915
- Tjostheim, D. See Sandvin, O. 1-50165
- Tkach, I.I. See Burg, J.P. 1-52679
- Tkachenko, B.K. See Belkov, P.V. 1-37081
- Tkachenko, L.N. See Vladimirov, V.V. 1-27759
- Tkachenko, L.P. See Kapralov, V.P. 1-41056
- Tkachenko, N.P. See Lukanichikova, N.B. 1-33166
- Tkachenko, N.V. See Dorosh, I.R. 1-46811
- Tkachenko, V.A. See Rakhimov, V.F. 1-50359
- Tkachev, V.D., Shadrinskaya, L.I., Yavid, V.Yu. Recombination at an arbitrary rate of excitation in semiconductors containing multiply charged defects 1-36467
- Tkachev, V.D. See Pokotilo, Yu.M. 1-36468
- Tkatchenko, M. See Acerbi, E. 1-52739
- Tkhorik, Yu.A. See Konakova, R.V. 1-27986

- Tleimat, B.W.,** Rie, H., Laird, A.D.K., Zhao, S. Condensation film coefficients for mixtures of isobutane and isopentane 1-31069
- Thuck, W.von** see von Thuck, W.
- Tnyshtykvayev, K.B.** see Gerasimenko, N.N. 1-32754
- Tobagi, F.A.** Performance analysis of carrier sense multiple access with message-based priority functions 1-29454
- Tobagi, F.A.** see Rom, R. 1-51956
- Tobazeon, R.** see Gosse, B. 1-28140
- Tobe, M.** see Sakai, S. 1-29751
- Tobias, C.A.** see Chu, W.T. 1-43371
- Tobias, J.C.** Analysis of recovery voltages in testing high voltage circuit breakers 1-31364
- Tobias, J.** Carlos see Carlos Tobias, J.
- Tobias, J.R.** LSI/VLSI building blocks 1-50959
- Tobias, V.** Commutation with 6- and 12-pulsed converter-fed synchronous motors 1-53394
- Tobin, B.M.** see Strophe, D.H. 1-32501
- Tobin, M.S.** CW submillimeter wave laser pumped by an RF-excited CO<sub>2</sub> waveguide laser 1-46691
- Tobin, T.M.** Cheap micro music box 1-34122
- Tobinaga, M.** see Toyoda, H. 1-27954
- Tobolka, G.** see Mader, W. 1-36782
- Tocho, J.O.,** Duchowicz, R., Gallardo, M., Garavaglia, M. Frequency locking in double-pumped dye laser 1-51397
- Tocho, J.O.,** Sibbett, W., Bradley, D.J. Thermal effects in phase-conjugation in saturable absorbers with picosecond pulses 1-33276
- Tocho, J.O.,** Sibbett, W., Bradley, D.J. Picosecond phase-conjugation reflection and gain in saturable absorbers by degenerate four-wave mixing 1-33286
- Tock Kang Eui** see Eui Tock Kang
- Tocqueville, J.** see Ekelof, T. 1-43248
- Toda, A.** Both-way circuit dimensioning method [telephone traffic] 1-47267
- Toda, A.** Bothway circuit dimensioning method 1-51916
- Toda, H.** On the truncation error of a limiting formula of Runge-Kutta methods 1-50263
- Toda, H.** see Kawasaki, T. 1-52332
- Toda, H.** see Yamaguchi, M. 1-52333
- Toda, M.** Voltage-induced large amplitude bending device—PVF<sub>2</sub> bimorph—its properties and applications 1-51060
- Toda, Y.** see Miyajima, Y. 1-51169
- Todd, C.J.** see Stern, J.R. 1-42271
- Todd, J.D.** see Kay, R.N. 1-52269
- Todd, J.H.,** Crawford, G.I., Potter, R., Sharrock, D.L., Fentem, P.H. Ventilatory function computer 1-52754
- Todd, P.H.** Direct minimal-order Markov model for sliding-window detection probabilities 1-37958
- Todd, R.E.** see Fee, J.J. 1-29707, 1-47620
- Todd, S.J.P.** Low precision floating point for signal processing 1-51820
- Todd, S.J.P.** see Langdon, G.G., Jr. 1-47124
- Todd, S.N.** The use of microprocessors in gas cooled nuclear reactors 1-30892
- Todd, T.D.,** Mark, J.W. Waterloo experimental local network (WELNET) physical level design 1-29456
- Todd, T.W.** Systems engineering approach to incorporation of automatic test equipment 1-52373
- Todorok, Y.** Dependence of electron beam resist edge profile on substrate material 1-46050
- Todorinov, E.V.** see Stefanov, P.S. 1-45112
- Todorov, T.,** Nikolova, L., Tomova, N., Dragostinova, V. Photochromism and dynamic holographic recording in a rigid solution of fluorescein 1-33293
- Todorov, T.** see Nikolova, L. 1-41152
- Todorov, T.** see Pangelova, N. 1-46808
- Todt, W.H.** see Goldstein, N.P. 1-34458
- Todua, P.A.** see Zhuravlev, E.N. 1-30217
- Toffin, P.** An automatic installation for measuring length by laser interferometer 1-42747
- Tofield, B.C.** Materials for energy conservation and storage 1-49647
- Tofield, B.C.** see Hooper, A. 1-44344
- Toftevaag, T.** Protection of motors in explosion hazard areas 1-44023
- Togami, Y.,** Kobayashi, K. Increase of uniformity of amorphous GdCo films by control of oxygen quantity 1-50307
- Togano, K.,** Kumakura, H., Tachikawa, K. Studies on 'in situ' processed V<sub>3</sub>Ga composite superconductors 1-28298
- Togano, K.** see Sekine, H. 1-32989
- Togashi, J.,** Koyama, H., Yamazaki, N., Takeda, K. An analysis of copper wire breaks during drawing 1-27160
- Togashi, J.** see Inoue, S. 1-27161
- Togashi, K.** The MSH-2510R heat-pump air conditioner 1-44513
- Togashi, S.,** Suzuki, T., Aoyama, T., Shimizu, H. White and Taylor type guest host displays without scattering effects using the tilted boundary conditions 1-52531
- Togatov, V.V.** Turn-on condition for a p-n-p-n structure with variable-gap bases under transient conditions 1-32682
- Togatov, V.V.** see Grigor'yev, B.I. 1-46102, 1-46119
- Togatov, V.V.** see Gritsevskii, E.A. 1-36598
- Togawa, T.** see Bukhari, A.R.S. 1-43311
- Togawa, T.** see Tsuji, T. 1-38477
- Togawa, T.** see Yamakoshi, K. 1-30412
- Tognetti, N.P.,** Webb, R.P., Christodoulides, C.E., Armour, D.G., Carter, G. Ion bombardment induced interface mixing in the Ag-Si system 1-36525
- Tohno, S.** see Uemura, C. 1-39734
- Tohyama, K.** see Furuta, T. 1-30608
- Tohyama, K.** see Takemura, T. 1-30609
- Toint, P.** A note about sparsity exploiting quasi-Newton updates 1-44991
- Tojyo, E.** see Ueda, N. 1-48377
- Tokaku, S.** see Suganami, T. 1-53368
- Tokarcik, M.,** Sura, P. Investigation of high frequency losses in electrolytes by inductance cell method 1-30233
- Tokarski, M.** see Orzechowski, T. 1-45590
- Tokarz, R.F.** Hazardous duty for telco personnel in mobile home installations 1-44662
- Tokida, M.** A new multipurpose fiber optic sensor 1-51207
- Tokiguchi, K.,** Itoh, H., Sakudo, N., Koike, H., Kanomata, I., Tokuyama, T. New ion implant technique for low-cost solar cell fabrication 1-46059
- Tokiguchi, K.** see Sakudo, N. 1-38391
- Tokinaga, S.** A realization technique for a type of band-stop filters composed of lumped and distributed elements 1-32330
- Tokuda, M.** see Horiguchi, T. 1-28449
- Tokuda, M.** see Nakahira, M. 1-28450
- Tokuda, M.** see Nakazawa, M. 1-40981, 1-46506, 1-51444
- Tokuda, M.** see Tanifuji, T. 1-52595
- Tokuda, N.,** Nakanishi, T., Ueda, N., Arai, S., Katayama, T., Noda, A., Hori, T. RFQ linac for the NUMATRON project 1-48436
- Tokuda, N.** see Katayama, T. 1-48382
- Tokuda, T.,** Yokono, Y. RT insulation system for large rotary machines 1-44048
- Tokuda, Y.,** Hayashi, M., Usami, A. Evaluation of interface states in MOS structures by DLTS with a bipolar rectangular weighting function 1-32712
- Tokuda, Y.,** Nakamura, M., Usami, A. Use of microcomputers in measuring the impurity concentration in semiconductors by junction capacitance techniques 1-50743
- Tokuhashi, G.K.** Health studies in the Three Mile Island area 1-48763
- Tokumaru, Y.** see Okushi, H. 1-40387, 1-46097
- Tokumitsu, Y.** see Komizo, H. 1-47732
- Tokumitsu, Y.** see Shibata, K. 1-36326
- Tokumoto, S.** see Yamazaki, Y. 1-48348
- Tokunaga, K.** see Inada, T. 1-36563
- Tokunaga, M.,** Nakano, Y., Takahai, K., Noguchi, Y., Nagai, H., Nawata, K. Effect of cavity length on 1.55  $\mu$ m buried-heterostructure DH laser characteristics 1-28713
- Tokunaga, M.** see Nakano, Y. 1-51453
- Tokunaga, Y.,** Yoshida, M., Kizawa, M. Life estimation of thermal print heads consisting of Ta<sub>2</sub>N thin-film resistors 1-32407
- Tokushige, K.** see Tsujide, T. 1-27473
- Tokushima, H.,** Hayashi, Z., Yokoi, T., Yoshida, M. Switching network traffic design for digital telephone system 1-47269
- Tokushima, H.,** Hayashi, Z., Yokoi, T., Yoshida, M. Switching network traffic design for digital telephone system 1-51879
- Tokushima, H.** see Akimaru, H. 1-47266, 1-51903
- Tokuyama, T.,** Yagi, K., Miyake, K., Tamura, M., Natsuaki, N., Tachi, S. Low-energy mass-separated ion beam deposition of materials 1-35955
- Tokuyama, T.** see Matsubara, S. 1-44366
- Tokuyama, T.** see Tachi, S.I. 1-46072
- Tokuyama, T.** see Tamura, M. 1-39809
- Tokuyama, T.** see Tokiguchi, K. 1-46059
- Tol, M.W.van** see van Tol, M.W.
- Tol, M.W.Van** see Van Tol, M.W.
- Tol, R.E.J.Van** see Van Tol, R.E.J.
- Tolan, G.D.,** Schick, C., Gustafson, D.E. Space technology applied to VCG analysis 1-48742
- Tole, J.R.,** Yorker, J.G., Morrison, W.A., Renshaw, R.L. A microprocessor-controlled vestibular examination chair 1-34561
- Tolescu, S.** see Popescu, Gh. 1-31505
- Tolfree, D.W.L.** see Sofield, C.J. 1-52629
- Tolk, N.H.** see Temmer, G.M. 1-38354
- Tolkachev, D.A.** see Volkov, B.S. 1-52722
- Tolkachev, D.A.** see Zhurkin, V.V. 1-52721
- Tolksdorf, W.,** Bartels, G., Tolle, H.J. Compositional inhomogeneities along the growth direction of substituted yttrium iron garnet epilayers 1-39780
- Tolkunov, V.P.,** Frumin, V.L., Dobronovskii, V.D., Kaznacheev, V.A. A simplified method of analysis of EM surges in inverter motors 1-44059
- Tolkunov, V.P.,** Shevchenko, V.V. Problems of the design of DC machines of limited power 1-44115
- Tolkunov, V.P.,** Shevchenko, V.V., Svilo, E.V. An analysis of armature winding properties with the aid of an axial-lateral equivalent circuit 1-49477
- Tolle, H.J.** see Tolksdorf, W. 1-39780
- Tollestrup, A.** see Atac, M. 1-34442
- Tollestrup, A.V.** Care and training of superconducting magnets 1-28387
- Tollestrup, A.V.** Progress in superconducting magnet technology for accelerators/storage rings 1-43095
- Tolmachev, I.I.** see Dobner, B.A. 1-38185
- Tolmacheva, V.G.** see Didenko, A.N. 1-48558
- Tolochko, A.F.** see Kindirenko, F.G. 1-47454
- Toloknov, N.A.** see Yesikov, O.S. 1-28253, 1-40827
- Tolopa, A.M.** see Didenko, A.N. 1-48558
- Tolppanen, A.** Supervision of safety measures in electrical work 1-26886
- Tolson, P.** Assessing the safety of electrically powered static eliminators for use in flammable atmospheres 1-44655
- Tolsroganov, V.K.** see Voronin, Yu.V. 1-41007
- Tolstopyatov, O.I.** see Barachevskii, V.A. 1-28519
- Tolstopyatov, O.I.** see Bykovskiy, Yu.A. 1-33058
- Tolstov, I.A.** see Semikolennykh, M.N. 1-53832
- Tolstrup Nielsen, P.** see Faber Andersen, E. 1-42268
- Tolutis, R.B.** see Pozhela, Yu.K. 1-36452
- Tolwinski, B.** Closed-loop Stackelberg solution to a multistage linear-Quadratic game 1-50121
- Tom, D.** see Husain-Abidi, A.S. 1-52394
- Tom, N.** see Celebiler, M. 1-47619
- Tom, V.T.** see Quatieri, T.F. 1-37585
- Tomabechi, N.** Residue arithmetic using ring counters and its error correcting circuit 1-50521
- Tomantschger, K.** see Kordes, K. 1-53603
- Tomantschger, K.** see Kordes, K.V. 1-31398
- Tomashevskii, H.** see Kuhn, M.H. 1-41570
- Tomashevich, Yu.V.** see Zobov, E.A. 1-28157
- Tomas, G.** see Beitner, M. 1-30105
- Tomasta, P.** 'Dart calculus' of induced subsets 1-35810
- Tomasta, P.,** Zelinka, B. Decomposition of a complete equipartite graph into isomorphic subgraphs 1-31980
- Tomaszewski, L.** Current state of light source production. II. Mercury discharge lamps 1-49785
- Tomaszewski, M.** see Flisek, T. 1-41844
- Tombak, M.A.** see Kalimov, A.G. 1-48628
- Tombs, F.** Nuclear energy—past present and future 1-30885
- Tomcavage, J.R.** see Grill, G.P. 1-48646
- Tomczak, G.** see Florkowski, W. 1-34236
- Tomes, V.** see Havel, J. 1-33679
- Tomescu, A.** Trial functions for the variational solution of electromagnetic field problems 1-37251
- Tomescu, F.M.G.,** Tomescu, I.B.L. Local evaluations and errors of Haar series expansion [power systems] 1-34825
- Tomescu, F.M.G.** see Constantinescu, L. 1-30586
- Tomescu, I.B.L.** see Tomescu, F.M.G. 1-34825
- Tomida, H.** see Niina, T. 1-46657
- Tomidokoro, S.** see Yada, T. 1-31724
- Tomimasu, T.** A 500 MeV low operating cost electron linac 1-48440
- Tominaga, K.,** Ueshiba, N., Shintani, Y., Tada, O. High-energy neutral atoms in the sputtering of ZnO 1-27148
- Tominaga, S.** Analysis of experimental curves using singular value decomposition 1-42500
- Tominaga, S.,** Kuwahara, H., Sato, K., Yoshinaga, K., Sakuma, S. Severity of initial portion of transient recovery voltage (ITRV) for SF<sub>6</sub> gas circuit breaker 1-35304
- Tominaga, S.,** Kuwahara, H., Tanabe, T., Yoshinaga, K., Sakuma, S. Extremely short line fault tests of a puffer-type gas circuit breaker by direct and synthetic test methods 1-39100
- Tominaga, S.** see Okutsu, N. 1-44278
- Tominaga, S.** see Ueda, Y. 1-35310, 1-49616
- Tominaga, S.** see Ushio, T. 1-49615
- Tomioaka, H.** see Matsuzawa, T. 1-32738
- Tomisa, T.** see Mikulicic, V. 1-43656
- Tomisawa, M.** see Suganami, T. 1-53368
- Tomiska, J.** A new technique for the determination of vapour pressures by the Knudsen effusion method 1-30279
- Tomiska, J.** Application of a simple automatic null method for vapor pressure measurements by the torsion-Knudsen effusion-recoil technique 1-38310
- Tomita, F.,** Tamura, H. An overview of image processing algorithms. IV. Texture analysis 1-41799
- Tomita, F.** see Yokoyama, N. 1-41800
- Tomita, H.** see Shimizu, I. 1-46608
- Tomita, H.** see Tung Hai Chin 1-44098
- Tomita, K.,** Sawada, T., Ogura, H. A fault-locator for the coaxial cable transmission systems 1-42144
- Tomita, K.** see Kawase, S. 1-34682
- Tomita, M.,** Shimada, H., Fujisawa, K. Automatic recording level adjustment of tape deck 1-34161

- Tomita, N., Ohmura, M., Fuchigami, T., Yamamoto, H. Study on quad twist length selection of symmetrical star quad cable 1-41901
- Tomita, N. *see* Fuchigami, T. 1-33905
- Tomita, R. *see* Watanabe, K. 1-52060
- Tomita, Y. *see* Irie, T. 1-45491
- Tomita, Y. *see* Oe, S. 1-41737
- Tomita, Y. *see* Sekine, M. 1-37959, 1-47708
- Tomita, Y. *see* Shimizu, H. 1-45339
- Tomita, Y. *see* Suzuki, Y. 1-45298
- Tomiyasu, K. Conceptual performance of bistatic Doppler radar for vehicle speed determination 1-48235
- Tomizawa, K. *see* Hashizume, N. 1-46297
- Tomkiewicz, Y., Engler, E.M., Kuptis, J.D., Schad, R.G., Patel, V.V. Organic conductors as electron beam resist materials 1-27715
- Tomkins, F.S., Mahon, R. High-efficiency four-wave sum and difference mixing in Hg vapor 1-28782
- Tomkins, J.W. *see* Brown, E.R. 1-50525
- Tomkins, R. *see* Collins, P.Q. 1-49367
- Tomlin, B. Inter-location technical communication in a geographically dispersed research organization 1-26842
- Tomlinson, G.W. BR electronic equipment—design, maintenance and repair 1-31567
- Tomlinson, R. *see* Burstow, D.J. 1-26883
- Tomlinson, W.J., Wagner, R.E., Stakelton, T.S., Cline, T.W., Jander, R.B. Coupling efficiency of the optics in single-mode and multimode fiber components 1-36930
- Tomlinson, W.J. *see* Bjorkholm, J.E. 1-46791
- Tomlinson, W.J. *see* Smith, P.W. 1-51513
- Tommasino, L., Zapparoli, G., Griffith, R.V. Electrochemical etching. Mechanisms 1-30368
- Tommasino, L., Zapparoli, G., Griffith, R.V., Mattei, A. Electrochemical etching. II. Methods, apparatus and results 1-30369
- Tommazzelli, F. The contribution made by electronic speed adjustment control [variable speed AC drives] 1-31517
- Tommazzolli, G.F. *see* Clerici, E. 1-48993
- Tomosugi, T. *see* Hongo, K. 1-37851
- Tomov, I.V. *see* Lyutskanov, V.L. 1-37085
- Tomov, T. *see* Asenov, S. 1-30387
- Tomova, N. *see* Todorov, T. 1-33293
- Tomozawa, A. *see* Maruta, R. 1-29285
- Tomba, F.W., Gecsei, J., Bochmann, G.V. Data structuring facilities for interactive videotex systems 1-51940
- Tompkins, B. *see* Turner, W.C. 1-31640
- Tompkins, H.G. *see* Sharma, S.P. 1-45755
- Tompkins, R.D. Radar in the wake of WARC 1-52200
- Tompkins, R.E. *see* Mischler, W.R. 1-44125
- Tompkins, W.J. *see* Patek, D.R. 1-34219
- Tomsett, D. *see* Martin, G. 1-46265
- Tomson, T.I. *see* Matchak, A.T. 1-27443
- Tomura, M. *see* Yamada, T. 1-33878
- Tonelli, G. *see* Bellazzini, R. 1-30351
- Tonelli, M. *see* Di Lieto, A. 1-28623
- Tonev, L.L. Comparison of the basic properties of the television signal presented in analog and digital form 1-47170
- Toney, J. *see* Henley, W.F. 1-31631
- Tong, B.Y., John, P.K., Wong, S.K., Chik, K.P. Highly stable, photosensitive evaporated amorphous silicon films 1-40987
- Tong, D. An evaluation of large space platforms 1-47575
- Tong, D.A. Phase locked detector for double-sideband, diminished-carrier reception 1-50470
- Tong, D.W. Measurement of voltage-induced charge distributions in PET films 1-32920
- Tong, T.C., Sankar, A. Scattering by a conducting tube of finite length 1-41307
- Tong Qi-mei *see* Xie Fu-zeng 1-30035
- Tong-Qi Li *see* Li Tong-Qi
- Tonger, H. *van* *see* van Tongeren, H.
- Tongson, L.L. *see* Krishnaswamy, S.V. 1-40405
- Tonietti, A. *see* Butto, M. 1-47414
- Toniolo, D. *see* Galeazzi, G. 1-43255
- Toniolo, S.B. *see* Cantarella, G. 1-35266
- Tonkal', V.E. *see* Grechko, E.N. 1-44218
- Tonkov, A. *see* Bogoev, C. 1-40059
- Tonnyb, I. *see* de Bachtin, O. 1-42121
- Tonner, P.D. *see* Faraone, L. 1-40613
- Tonnerre, J.C. *see* Schroff, A.M. 1-32547
- Toohay, B. Solid-state can give motors a very soft start [motor control] 1-53423
- Toohig, T. *see* Kidd, J. 1-43067
- Tool, G. *see* Bourkland, K. 1-48374
- Tool, G. *see* Flora, R. 1-42830
- Toole, F.E. Your speakers getting the most out of them 1-38043
- Tooley, M. Listen in with our 27/28 MHz converter 1-29870
- Tooley, M., Whitfield, D. Active receiving antenna 1-29012
- Tooley, M., Whitfield, D. 'Nimbus' Modular 2 m transceiver system. X. 16-channel scanner 1-29644
- Tooley, M., Whitfield, D. Simple speech processor 1-33578
- Toomer, R. *see* Lederer, P.G. 1-28147
- Toomey, J.P. *see* Bennett, C.L. 1-37952
- Toong Hoo-min D. *see* Hoo-min D. Toong
- Topa, E. *see* Bovzhik, Ya. 1-48622
- Topan, D. Method to systematically obtain the state equations by splitting the normal tree joints 1-27199
- Topan, D. Derivation of the equation by multiple drives of the analyzed circuit 1-27216
- Topham, P.J. *see* Gill, S.S. 1-50771
- Topich, J.A. Reduction of defects in ion implanted bipolar transistors by argon back side damage 1-36600
- Toplicar, J.R. Wide band monolithic SAW convolver for asynchronous communications 1-51072
- Topof'skiy, N.G., Noskov, V.P. A hierarchical procedure for arranging radio-electronic circuit elements in minimal groups 1-36048
- Topp, M.R. *see* Kee-Ju Choi 1-28702, 1-33249
- Toppla, S. Picard sets for meromorphic functions with a deficient value 1-31957
- Topping, J.D., North, J.C. Optical fibre transmission systems—the problems of formulating optical radiation safety criteria 1-47691
- Toprasertpong, B. *see* Oustry, A. 1-40457
- Toral, H. A study of the hot-wire anemometer for measuring void fraction in two phase flow 1-42769
- Torelli, F. *see* Brucoli, M. 1-53404
- Torfinov, A.I., Shmitov, O.S., Aleksandrov, K.S., Kokorin, Yu.I., Sorokin, B.P., Grekhov, Yu.N. Stability of piezoelectric force-measuring transducers 1-38171
- Torguet, R. *see* Waxin, G. 1-36987
- Torick, E.L. *see* Finger, R.A. 1-34056
- Toridis, T.G., Judy, J., Roth, P.N. Postprocessing of ADINA strains 1-39652
- Torikai, T., Ogawa, M. Highly depth-resolved Auger analysis in conjunction with Angle-Lap profiling method and its application to the semiconductor devices 1-45997
- Torikai, Y., Hirakata, S. Induction motor test system using DC dynamometer 1-44103
- Torimaru, Y. *see* Fujii, K. 1-28126
- Torino, A.C. *see* Caulfield, J.J. 1-27944
- Torisawa, S. *see* Hara, Y. 1-28080
- Toriumi, Y. *see* Kawasaki, Y. 1-38763
- Toriwaki, J., Kimura, S., Yokoi, S., Fukumura, T. Experimental evaluation of the performance of sequential feature selection procedure in statistical pattern classification 1-41820
- Toriyama, K.-I., Matsuda, K., Sato, M. Multi-channel access radio system for emergency network 1-33928
- Toriyama, Y. *see* Takada, T. 1-30222
- Torkatuk, M.T. *see* Safranov, G.S. 1-33294
- Torlaschi, E., Zawadzki, I. Preliminary study of mesoscale thermodynamic variables as stratifiers of microwave attenuation by rain 1-28882
- Torgren, P. *see* Ask, P. 1-43272
- Tornielli, G.P. *see* Giuffrida, M. 1-53321
- Torok, A. *see* Pakay, P. 1-38262
- Torok, I. Sum peak formation in neutron damaged Ge(Li) detectors: a method to identify damaged crystals 1-52698
- Torosyan, M.T. *see* Ashikyan, N.M. 1-34757
- Torrance, K., Midgley, D. A temperature compensated electrode system for the determination of the pH of boiler feedwater 1-30071
- Torrens, A.B. Comments on 'A simple inverting/noninverting voltage amplifier' 1-27312
- Torrington, J. *see* Klemar, B. 1-48706
- Torseng, S. *see* Olwegard, A. 1-48958
- Torstensen, F. NORSAT: Spread spectrum data communication in the NORSAT system 1-33954
- Tortello, E. *see* Rossi, C. 1-44447, 1-53469
- Tortoli, P., Manes, G., Atzeni, C. A technique for increasing the transform size of SAW chirp transform processors 1-37539
- Tortschanoff, T. *see* Billan, J. 1-48530
- Torzo, G. *see* Bruschi, L. 1-36144
- Tosalli, A. *see* Liuti, A. 1-29529
- Toscano, R., Maceri, A. Preliminary results on the problem of the elastic plate on one-sided foundation 1-27085
- Toschek, P.E. *see* Baev, V.M. 1-51424
- Toschek, P.E. *see* Nikolaus, B. 1-46690
- Tosic, T.L., Tjapkin, D.A., Jevtic, M.M. Mobility of majority carriers in doped noncompensated silicon 1-45915
- Tossman, B.E. *see* Heffernan, K.J. 1-34651
- Tosunyan, G.A. *see* Glebov, V.V. 1-33316
- Totani, S. Development and current status of CACS (Comprehensive Automobile Traffic Control System) 1-29655
- Totani, S., Okada, M. Improving reliability of automotive electronics 1-31623
- Totani, T. Response measurement by means of M-sequence modulation method 1-33475
- Toth, A.L. *see* Lendvay, E. 1-39784
- Toth, F. Serial communications and interface circuits in microprocessor systems 1-37750
- Toth, F. Possibilities for improving the efficiency of gas turbines 1-49299
- Toth, I. *see* Szabados, L. 1-53184
- Toth, J. *see* Conti, R. 1-29010
- Toth, J.B. *see* Sullivan, M.R. 1-36315
- Toth, L. *see* Fazekas, K. 1-29896
- Toth, L.A. *see* Lendvay, E. 1-50301
- Tothill, H.A.W. *see* Cory, C. 1-34432
- Totta, P.A. *see* Herdzik, R.J. 1-44691, 1-44692
- Totta, P.A. *see* Herron, L.W. 1-27897
- Tou, S. *see* Tsukiji, T. 1-41430
- Touchard, F., Biderman, J., de Saint Simon, M., Thibault, C., Huber, G., Epherre, M., Klapisch, R. Production of ionic and atomic beams of alkaline elements 1-52732
- Touchi, J.-I. *see* Mieno, H. 1-50213
- Toudic, Y. *see* Vuilleumoz, B. 1-51046
- Touge, T. *see* Nakagawa, K. 1-29775
- Toulemonde, M., Siffert, P. Calculation of the temperature during electron pulse annealing of silicon 1-40384
- Toulemonde, M., Siffert, P., Deneuille, A., Bruyere, J.C. Interaction between arsenic, hydrogen, and silicon matrix in doping of sputtered amorphous hydrogenated silicon 1-50868
- Toulouse, B. *see* Deveaud, B. 1-27829
- Tournier, B. *see* Bruno, C. 1-52663
- Tournois, P. *see* Gautier, H. 1-37486
- Tourwe, H. *see* De Leeuw, S. 1-38439
- Tousek, J. *see* Tousekova, J. 1-51267
- Toushkanov, Yu.K. *see* Tsapko, G.P. 1-50604
- Touska, J. Contemporary problems and perspectives of using solar cells for terrestrial purposes 1-53618
- Touskova, J., Tousek, J. Solar cells based on CdTe 1-51267
- Toussaint, G.T., Bhattacharya, B.K., Poulsen, R.S. Graph theoretic methods for edited nearest neighbor decision rules 1-33692
- Toussaint, G.T., Menrad, R. Fast algorithms for computing the planar relative neighborhood graph 1-44905
- Toutain, E. *see* Boisvineau, C. 1-33147
- Toutain, S. *see* Gelin, P. 1-37341
- Touw, W.G. *van der* *see* van der Touw, W.G.
- Tove, P.A. *see* Boberg, G. 1-50826
- Tove, P.A. *see* Norde, H. 1-40449
- Tovma, A.A. *see* Pilipchuk, Yu.L. 1-48256
- Towill, D.R. A systems approach to exponential smoothing 1-47164
- Towill, D.R. *see* Sarram, M.A. 1-52359
- Towle, C. Intrinsic safety is best for instrumentation 1-49953
- Towler, F.J. *see* Craig, W.J. 1-46307
- Towles, D.F. *see* Kim, B.G. 1-29580
- Townes, S.A., Yung Kou, K., Agrawal, J.P., Ben O'Neal, J., Jr., Nariman Mobejda, D. Performance of an ADPCM/TASI system for PCM speech compression 1-29132
- Townsend, P.D. *see* O'Conner, D.J. 1-36879
- Towsley, D. A statistical analysis of ARQ protocols operating in a nonindependent error environment 1-47274
- Towsley, D., Prohazka, C.G. Topology design for time slotted packet radio networks 1-37676
- Towtig, F. *see* Sklansky, J. 1-48691
- Toy, W.N. *see* Arnold, T.F. 1-33876
- Toya, H., Ueno, N., Okada, T., Murai, Y. Statistical property of breakdown between metal electrodes in vacuum 1-39097
- Toya, H., Ueno, N., Okada, T., Murai, Y. Statistical property of breakdown between metal electrodes in vacuum 1-44271
- Toyama, A. *see* Kyusojin, A. 1-42505
- Toyama, H. *see* Hosoba, M. 1-43326
- Toyama, J., Tabata, O., Okajima, M., Yamada, K. Microcomputer processing system for body surface isopotential map and epicardial isochron-map 1-43357
- Toyama, J., Watanabe, T., Yamada, K. Microcomputer processing system for body surface isopotential map 1-48724
- Toyama, J. *see* Watanabe, T. 1-48703
- Toyama, N. A circularly polarized shaped-beam antenna fed with cross-shaped horns 1-47059
- Toyama, Y. *see* Ito, M. 1-37037
- Toyama, Y. *see* Kagawa, S. 1-33134
- Toyoda, H., Itakura, H., Komiya, H. Etching of SiO<sub>2</sub> in CF<sub>4</sub> gas plasma using planar-type reactor 1-27953
- Toyoda, H., Tobinaga, M., Komiya, H. Frequency effect on material selectivity in gas plasma etching in planar type reactor 1-27954
- Toyoda, K. *see* Ogura, T. 1-27356
- Toyoda, N. *see* Hara, T. 1-40546
- Toyoda, S. Variable bandpass filters using varactor diodes 1-27602
- Toyoda, S. Quarter-wavelength coupled variable band-pass filter using varactor-diodes 1-50536
- Toyoshima, H. *see* Watanabe, T. 1-48703
- Toyoshima, T. *see* Bukhari, A.R.S. 1-43311
- Toyoshima, Y. *see* Kawaguchi, H. 1-33236
- Toyota, H. *see* Fujimura, S. 1-43463
- Toyota, H. *see* Hanaizumi, H. 1-33645
- Tozer, T.C. *see* Makarios, A. 1-47097
- Tozune, A. Alternating torque characteristics of a 2-phase servomotor with DC component in the control voltage 1-31263
- Traca de Almeida, A., Gomes Martins, A. A microcomputer based system for power demand monitoring and control 1-49200
- Traca-de-Almeida, A. Substation interlocking and sequence switching using a digital computer 1-39093
- Traca-de-Almeida, A. Substation interlocking and sequence switching using a digital computer 1-44280

- Trace, R.** The gear for compact packaged power 1-43956
- Tracey, B.T.** Nickel cadmium cells. II. Charging and maintenance 1-31400
- Tracey, D.M., Freese, C.E.** Adaptive load incrementation in elastic-plastic finite element analysis 1-39636
- Trachsel, C.A.** *see* Baker, C.C. 1-30916, 1-35016
- Tracy, D.S.** *see* Samaan, J.E. 1-44799
- Tracy, J.** *see* Khoshnevisan, M. 1-46594
- Tracy, J.** *see* Yeh, P. 1-51246
- Tracy, J.G.** Targets produced in mass separators 1-38382
- Trager, H.** Low-priced, antenna components for TV band IV/V 1-29846
- Train, D.** Switching surge test circuits for high voltage shunt reactors and power transformers 1-44161
- Train, D.A., Edwards, D.A., Ibbett, R.N.** An optical fibre test rig for computer communications 1-42283
- Trakay, V.G.** *see* Boyun, V.P. 1-39665
- Trakhtengerts, V.Yu.** *see* Gaponov-Grekhov, A.V. 1-46659
- Trammell, R.** *see* Paulus, T.J. 1-34502
- Trammell, R.C.** *see* Becker, T.H. 1-34515
- Trammell, R.C.** *see* Darken, L.S., Jr. 1-34454
- Tran, D.C.** *see* Ginther, R.J. 1-40933
- Tran, D.C.** *see* Koo, K. 1-36921
- Tran, M.Q., Lee, A., Bollens, R.** Passive feedback stabilization of the levitated coil by means of superconducting loops 1-36852
- Tran Hung Ban** *see* Hung Ban Tran
- Tran Huu Danh** *see* Nguyen Van Dong 1-27838
- Tran-Gia, P.** Modelling and analysis of software resources in modular SPC switching systems—some aspects of p dimensioning and overload control 1-42120
- Tran-Thong** Algebraic formulation of the fast Fourier transform 1-39726
- Tranchenko, V.D.** *see* Brche, M.A. 1-40534
- Trang, Q.** *see* McShurley, D.G. 1-52634
- Trannoy, B.** *see* de Fornel, B. 1-53713
- Tranquilla, J.M., Balmann, K.G.** Resonance phenomena on Yagi arrays 1-37374
- Trantina, G.G.** Stress analysis of the seal in a sodium-sulfur battery cell 1-44323
- Trapet, E.** *see* Pfeifer, T. 1-34374
- Trapp, R.L.** Automated intrapulse RF data acquisition 1-41222
- Trask, M.J.** *see* Honnell, M.A. 1-41487
- Traub, K.** *see* Schreiber, R. 1-32331, 1-40089
- Traut, A.R.** *see* Grubb, R.L. 1-35235
- Trauth, D.M.** *see* Trauth, E.M. 1-38031
- Trauth, E.M., Trauth, D.M., Huffman, J.L.** The policy implications of the use of cable television for data transmission 1-38031
- Trautmann, H.** *see* Klabunde, J. 1-48418
- Trautwein, W.** *see* Rexroth, G.W. 1-37720
- Travis, D.J.** *see* Pecina, R.J. 1-47901
- Traynor, R.J., Schuerch, W.** New VCO test equipment aids manufacturing [jamming systems] 1-27341
- Trbojevic, D., Nikolic, P.M., Perovic, B., Cvekic, V.** Photovoltaic detectors in SnS produced by Sb<sup>+</sup> ion implantation 1-30117
- Trbojevic, D.** *see* Nikolic, P.M. 1-34299
- Treacy, P.B.** *see* Hay, H.J. 1-48671
- Treado, P.A., Lambert, J.M., Slaus, I., Allas, R.G., Eman, B.** Single surface barrier detectors for neutron dosimetry and associated light-ion fluxes 1-38416
- Trebbi, G.** A thermogravimetric loop for converting low enthalpy geothermal energy into electricity 1-38912
- Trecat, J.** *see* Phi, D.T. 1-34824
- Treciakas, R.** *see* Miller, R.J. 1-42305
- Tredre, B.** *see* Brown, I.D. 1-47450
- Tredwell, T.J.** *see* Nielsen, R.L. 1-40683
- Trefilov, A.F.** *see* Baikov, A.I. 1-39051
- Trefny, F.J., Lee, K.Y.** Economic fuel dispatch 1-43560
- Treger, M.B.** *see* Kurennyi, E.G. 1-34955
- Tregubov, M.I.** *see* Lokshin, V.E. 1-44528
- Trehan, S.K.** *see* Sen, A.K. 1-33343
- Trehan, R.F.** Non-military applications of high frequency single station location systems 1-42350
- Treichler, J.R.** A gradient-based approach to optimal ML interval estimation of a waveform 1-37547
- Treichler, J.R., Larimore, M.G., Johnson, C.R., Jr., Wood, S.L.** The application of SHARF to adaptive removal of TV ghosting 1-42407
- Treichler, J.R.** *see* Johnson, C.R., Jr. 1-37498
- Treivas, V.G.** *see* Khainson, A.V. 1-35511
- Treic, J.** *see* Zupan, F. 1-47867
- Tremblay, A.-M.S.** *see* Nelkin, M. 1-50631
- Tremblay, P.** *see* Tetu, M. 1-46658
- Tremblay, Y., Kawasaki, B.S., Hill, K.O.** Modal noise in optical fibers. Open and closed speckle pattern regimes 1-36864
- Trembly, B.S.** *see* de Sicyes, D.C. 1-34638
- Trenev, P.G.** *see* Bondrachek, G.I. 1-32480
- Trenholme, J.B.** *see* Martin, W.E. 1-51419
- Trenka, A.R.** *see* Moment, R.L. 1-31151
- Trenne, M.U., Nowak, V.J.** An overview of electronic controls for passenger car diesel engines 1-31625
- Trenne, M.U.** *see* Jones, T.O. 1-44458
- Trepak, B.** Digital lock 1-36217
- Trestikova, V.** Mathematical representation of electrical properties of a thyristor operating in a static mode 1-45177
- Tretiak, O.J.** *see* Stanton, R.E. 1-34593
- Tretola, A.R.** *see* Fraser, D.B. 1-46318
- Tret'yakov, A.P.** Optimization of antireflection coatings on silicon inversion photoconverters 1-49665
- Tret'yakov, A.P.** *see* Gil'man, B.I. 1-33145
- Tret'yakov, G.K.** *see* Bisyarin, V.P. 1-46950
- Tret'yakova, S.P.** *see* Apel', P.Yu. 1-30357
- Treves, D.** *see* Kedmi, J. 1-41114
- Treves, S.** *see* Zimmerman, R.E. 1-34574
- Trevillyan, L.** *see* Darringer, J.A. 1-50497
- Trevland, R.** *see* Thomassen, I. 1-47345
- Trew, R.J.** *see* Takeda, Y. 1-50774
- Trey, K.M.** *see* Hammerle, W. 1-47927
- Treytl, H.** *see* Hartl, H. 1-42207
- Treytnar, E.** Effects of electric fields of railway power transmission lines with 16<sup>2</sup>/<sub>3</sub> Hz on human beings 1-34642
- Treyvaud, A.** *see* Pelizzone, M. 1-34226
- Trezek, G.J.** *see* Diaz, L.F. 1-53279
- Tribillon, G.** Inspection of surfaces by laser: roughness and profile 1-26959
- Tribolet, J.M.** *see* Almeida, L.B. 1-37463
- Triboulet, M., Caporossi, D., Rousseau, M.** Transmission by optical fibres 1-52117
- Triboulet, R., Didier, G.** Growth and characterization of Cd<sub>1-x</sub>Mn<sub>x</sub>Te and MnTe crystals; contribution to the CdTe-MnTe pseudo-binary phase diagram determination 1-39736
- Tributsch, H.** Photoelectrochemistry of layer-type zirconium disulfide 1-53593
- Trick, T.N.** *see* Hajj, I.N. 1-36047
- Tricoles, G., Brundage, E., Rope, E.L.** Real-time holography with microwaves and millimeter waves 1-28807
- Tricoles, G., Rope, E.L., Hayward, R.A.** Improved resolution in microwave holographic images 1-41156
- Triebel, R.** Under-floor electrical installations 1-30721
- Trifari, J.** Thin-film heads appear on 5<sup>1</sup>/<sub>4</sub>-in. Winchester 1-40812
- Trifonov, A.P.** Reception of a random signal at an unknown frequency 1-47117
- Trifonov, A.P., Galun, S.A.** Quasi-optimum evaluation of width of random process power spectrum 1-42498
- Trifonov, V.I.** *see* Martyakhin, V.A. 1-33114
- Trifonov, Y.A.** Use of sintered magnetic materials in magnetoelectric measuring mechanisms 1-46424
- Trilhe, J.** *see* Hamar-Thibault, S. 1-32060
- Trimarch, F.** *see* De Lieto Vollaro, A. 1-49810
- Trimberger, S.** Combining graphics and a layout language in a single interactive system [IC layout] 1-46241
- Trimberger, S., Rowson, J., Lang, C.R., Gray, J.P.** A structured design methodology and associated software tools [VLSI CAD] 1-46234
- Trimberger, S., Rowson, J.A., Lang, C.R., Gray, J.P.** A structured design methodology and associated software tools [for VLSI] 1-46203
- Trimble, J., Casaset, D., Psaltis, D., Caimi, F., Carlotto, M., Neft, D.** Digital correlation by optical convolution/correlation 1-41816
- Trimble, J.** *see* Graf, C. 1-48819
- Trimble, L.C., Owens, W.L.** Review of Mini-OTEC performance 1-31113
- Trimble, M.K.** *see* Brookfield, J.T. 1-35252
- Trimble, R.W.** *see* Scrutchnin, T.W., Jr. 1-28270
- Trimmier, R., Knutsen, G.** High contrast thin-film color penetron 1-52402
- Trinder, J.R.** One-chip multiplexer 1-36214
- Triner, J.E.** Calculate magnetic core losses for complex waveshapes quickly with a programmed TI-59. II 1-28248
- Triner, J.E.** Analyze magnetic loss characteristics easily using a high power wideband operational amplifier. III 1-32979
- Triner, J.E.** Precise core-loss tester developed 1-34366
- Trinh, N.Giao** *see* Giao Trinh, N.
- Trinh, T.N., Mittra, R.** Field profile in a single-mode curved dielectric waveguide 1-46996
- Trinh, T.N., Mittra, R., Paleta, R.J., Jr.** Horn image guide leaky-wave antenna 1-47062
- Trinks, U.** *see* Daniel, H. 1-42899
- Triolo, G.** *see* Bonati, A. 1-42148
- Tripathi, L.N., Chaubey, B.R., Mishra, C.P.** Photo and electroluminescence properties in ZnS:(Cu, La) and ZnS:(Ag, La) phosphors 1-28572
- Tripathi, L.N., Dubey, V.K., Chaubey, B.R., Mishra, C.P.** Dielectric dependence of EL brightness of powdered phosphor and particle size distribution 1-33130
- Tripathy, S.C., Patel, K.K., Indulkar, C.S.** Digital calculation of transient overvoltages on bipolar HVDC lines due to monopolar ground fault 1-34843
- Tripathy, S.C., Prasad, G.S.S.S.K.P.** Load flow solution for ill-conditioned power systems by quadratically convergent Newton-like method 1-49051
- Tripathy, S.C., Rao, N.D., Roy, L.** Optimization of exciter and speed governor control parameters in stabilizing intersystem oscillations with voltage dependent load characteristics 1-48962
- Tripathy, S.C., Saha, N.** Design of dynamic load frequency controllers for power systems 1-38666
- Tripathy, S.C.** *see* Bhatti, T.S. 1-38298
- Tripoten', I.G.** *see* Bobikov, V.E. 1-34874
- Tripp, Ch.** *see* Ozisik, M.N. 1-34891
- Tripp, J.H., Garte, S.M.** The gas-tightness of separable base metal electric contacts 1-32465
- Tripp, S.J.** Multilayer ceramic capacitors 1-32422
- Tripp, V.K.** A new approach to random aperture errors [reflector antennas] 1-51706
- Trippel, G.** *see* Kuenzel, U. 1-28241
- Trischler, E.** Incomplete scan path with an automatic test generation methodology 1-36222
- Trishenkov, M.A.** Avalanche photodiode operating as a detector of pulsed radiation 1-34296
- Trishenkov, M.A.** Linear photoreceivers employing low-noise photodiodes 1-46647
- Tristram, C.** The office as a jigsaw—experience with various pieces 1-47354
- Tritton, J.A.** *see* Bird, J.R. 1-41885
- Trivedi, A.I., Deshpande, M.R., Hari Om Vats** On the cumulative distribution of fading of UHF-VHF waves observed at Ootacamund on a satellite-Earth communication channel 1-28909
- Trivedi, M.M.** *see* Harlow, C.A. 1-43462
- Trocraz, M.** *see* Eyraud, L. 1-40741
- Troebel, W.** *see* Krause, K. 1-35278
- Trofimenkoff, F.N.** Thermistor-controlled timers and oscillators 1-36134
- Trofimov, A.S.** Optimization of the process of thawing of frozen rocks by focusing microwave antennas 1-39265
- Trofimov, V.A.** *see* Egorov, Yu.P. 1-27372
- Trofimov, V.K.** *see* Krichevsky, R.E. 1-37414
- Trofimov, Yu.A.** Effectiveness of EM screens in a cryoturbogenerator 1-38966
- Trofimov, Yu.K.** *see* Braude-Zolotarev, Yu.M. 1-47612
- Trofimova, N.V., Plotnikova, T.K., Sinel'nikova, N.Z., Kotletsov, B.N., Khanevskii, V.L.** Higher precision microscale rule 1-38292
- Trogisch, R.E.** *see* Evans, R.T. 1-45747
- Troili, R.** *see* Ghigi, P. 1-50378
- Troitskii, A.I.** A rational utilisation of single-phase capacitive batteries in graphitising furnaces 1-35522
- Troitskii, V.A., Pulo, G.V., Savin, N.V.** Leakage fields of welding transformers 1-35228
- Troitskii, V.A., Zhukovskii, P.G., Belyi, N.G.** A welder supply source with accelerated crossings of the secondary voltage through zero values 1-31723
- Troitskii, V.A.** *see* Lebedev, V.K. 1-49837
- Troitskii, Yu.B.** Measuring amplification factor of high-precision operational amplifiers 1-39946
- Troitskii, Yu.V.** *see* Bel'tyugov, V.N. 1-37182
- Troitskii, Yu.V.** *see* Sametov, A.R. 1-28653
- Troitskiy, I.N.** *see* Bakut, P.A. 1-33359
- Troja, P.** *see* Mineo, N. 1-30791
- Trojak, J.** Power protection on the background of present situation in power engineering 1-53130
- Trojer, F.J.** Research and development trends in the glass industry 1-27183
- Tromans, P.S.** *see* Rosenfeld, J.L.J. 1-27747
- Trombley, G.** *see* Davis, C.M. 1-50862
- Tromp, L.D.** *see* Monsen, P. 1-29059
- Tron, Y.** *see* Le Tron, Y.
- Trong Muu Le** *see* Le Trong Muu
- Tron'ko, V.D.** *see* Plaksii, Yu.S. 1-36813
- Tropin, V.V.** *see* Yatsenko, A.A. 1-38999
- Tropp, E.A.** *see* Gun'ko, N.A. 1-27110
- Troshin, B.I.** *see* Maiorov, A.P. 1-37190
- Trotsenko, N.K.** *see* Badikov, V.V. 1-28422, 1-28423
- Trotter, J.D., Wade, T.E.** Process increases electrical contact consistency of VLSI 1-36652
- Trottin, J.-J.** Impact of TRANSPAC on tele-processing systems 1-33825
- Troup, A.** *see* Mort, J. 1-32658
- Troup, G.J.** *see* Tirkel, A.Z. 1-52569
- Trounman, R.R.** *see* Gaffney, D.P. 1-40639
- Trovato, A.** *see* Ciavola, G. 1-48568
- Trover, W.F.** Fiber optics for data acquisition and control communications: case histories 1-51208
- Troyanov, E.F.** *see* Ado, Yu.M. 1-48457
- Troyanovskii, B.M., Trukhnii, A.D.** Efficiency of steam turbines and of steam turbine plants 1-31029
- Trozel, D.E.** Application of pseudorandom noise to DPCM 1-47253
- Truax, B.E.** Microwave tower deflection monitor 1-30056
- Trubachev, S.G.** *see* Yudov, M.F. 1-35128
- Trudgen, G.A.** *see* Strope, D.H. 1-32501
- Trudgett, P.A.** *see* Ames, J.R.W. 1-33888

- Trueman, C.W., Kubina, S.J. Numerical computation of the reradiation from power lines at MF frequencies [effect on AM broadcast antennas] 1-51630
- Trueman, C.W. *see* Belrose, J.S. 1-41415
- Truemper, K. *see* Maurras, J.F. 1-44989
- Truber, J.B. *see* Clendenin, J.E. 1-42991
- Truber, J.B. *see* Peterson, J.M. 1-48385
- Trukhnii, A.D. *see* Troyanovskii, B.M. 1-31029
- Trumbore, F.A. *see* Broadhead, J. 1-53607
- Trummer, M.R. Reconstructing pictures from projections: on the convergence of the ART algorithm with relaxation 1-27052
- Trumpp, H.J. *see* Bohlen, H. 1-27906
- Trumpy, E. Can an adequate supply of electricity in Switzerland be secured in the future? 1-52982
- Trumpy, E. The situation of energy and nuclear energy in Switzerland 1-53014
- Trung, D.T., Messerle, H.K. Power output of segmented MHD Faraday generators with Hall voltage compensation 1-53690
- Trunk, G.V. *see* Cantrell, B.H. 1-33997
- Truong, T.K. *see* Kwoh, Y.S. 1-52763
- Truong Cong Nghe Manifolds of smooth maps 1-50182
- Truong Cong Nghe Manifolds of smooth maps. II. Transversality 1-50185
- Trushell, J. *see* Beidl, J.R. 1-52527
- Trushell, J.B. *see* Criscimagna, T.N. 1-42682
- Trushin, S.A. *see* Bertel, I.M. 1-51359
- Trussell, H.J. Processing of X-ray images 1-34609
- Trussell, H.J., Schwalbe, L.A. Methods for deconvolving sparse positive delta function series 1-37589
- Trusty, G.L. *see* Leslie, D.H. 1-51160
- Truszczyński, M. A simple algorithm for finding a cycle of length greater than three and without diagonals 1-44913
- Truszkowski, A. *see* Kujczyk, S. 1-53109
- Trutt, F.C. Equivalent circuit analysis of shaded-pole motors 1-31230
- Trutt, F.C., Thomas, S.A. Dynamic simulation of coal mine electrical power systems 1-53012
- Trutt, F.C. *see* Wagner, J.K. 1-38806
- Trutzschler, K. *see* Deiters, K. 1-30336
- Tryapitsyn, A.V. *see* Petrov, N.B. 1-38287
- Trykozko, R. *see* Zaluski, L. 1-27840
- Trzaskoam, W.P. *see* Murthy, M.L.R. 1-31148
- Trzebunia-Siwicka, W. Prospects of introducing uniform digital standard in television studio techniques 1-42413
- Trzeciak, W.S. Aladdin computer control system 1-42941
- Trzeciak, W.S. *see* Green, M.A. 1-42793
- Trzeciak, W.S. *see* Rowe, E.M. 1-48555
- Tsai, C.C., Nemanich, R.J., Thompson, M.J. Effect of thermal annealing on the structural and electrical properties of the Pd-a-Si:H interface 1-45992
- Tsai, C.C. *see* Thompson, M.J. 1-50823
- Tsai, C.S. Optical information processing using integrated-optic devices 1-51223
- Tsai, H.J. *see* Flederbach, D. 1-50881
- Tsai, R.C. High data density 4-color LCD system 1-42699
- Tsai, R.Y. *see* Huang, T.S. 1-41832
- Tsai, W.C. *see* Moghe, S.B. 1-45678
- Tsai Mon Yen *see* Mon Yen Tsai
- Tsai Yang Tien *see* Tien Tsai Yang
- Tsanev, S.V. *see* Ryzhkin, V.Ya. 1-35036
- Tsang, C., Decker, S.K. The origin of Barkhausen noise in small permalloy magnetoresistive sensors 1-46388
- Tsang, D.Z., Walpole, J.N. Repetitive Q-switching of semiconductor diode lasers 1-37162
- Tsang, D.Z., Walpole, J.N., Groves, S.H., Hsieh, J.J., Donnelly, J.P. Intracavity loss modulation of GaInAsP diode lasers 1-28709
- Tsang, F. *see* Reese, E.A. 1-32309
- Tsang, F.Y. *see* Lawrence, R.S. 1-34497
- Tsang, J.C. *see* Hartstein, A. 1-38290
- Tsang, L., Kong, J.A. Scattering of electromagnetic waves from random media with strong permittivity fluctuations 1-41219
- Tsang, L., Kubacki, M.C., Kong, J.A. Radiative transfer theory for active remote sensing of a layer of small ellipsoidal scatterers 1-41220
- Tsang, L. *see* Ezzeddine, A. 1-41298
- Tsang, P.J. *see* Critchlow, D.L. 1-50942
- Tsang, P.J. *see* Lechaton, J.S. 1-50944
- Tsang, W.M. *see* Lam, F.K. 1-45451
- Tsang, W.T. Device characteristics of (AlGa)As multiquantum-well heterostructure lasers grown by molecular beam epitaxy 1-33217
- Tsang, W.T. High-throughput, high-yield, and highly-reproducible (AlGa)As double-heterostructure laser wafers grown by molecular beam epitaxy 1-33222
- Tsang, W.T. Extension of lasing wavelengths beyond 0.87  $\mu\text{m}$  in GaAs/Al<sub>0.1</sub>Ga<sub>0.9</sub>As double-heterostructure lasers by In incorporation in the GaAs active layers during molecular beam epitaxy 1-37101
- Tsang, W.T. Recent developments in (AlGa)As DH lasers grown by molecular beam epitaxy for optical communication systems 1-37152
- Tsang, W.T. A new current-injection heterostructure laser: the double-barrier double-heterostructure laser 1-41079
- Tsang, W.T. A graded-index waveguide separate-confinement laser with very low threshold and a narrow Gaussian beam 1-51439
- Tsang, W.T., Ditzemberger, J.A. A visible (AlGa)As heterostructure laser grown by molecular beam epitaxy 1-51442
- Tsang, W.T., Hartman, R.L. CW narrow beam (AlGa)As multiquantum-well heterostructure lasers grown by molecular beam epitaxy 1-28710
- Tsang, W.T., Holbrook, W.R., Fraley, P.E. Optical self-pulsation behavior of CW (AlGa)As shallow proton-bombarded and narrow-striped (5  $\mu\text{m}$ ) double-heterostructure lasers grown by molecular beam epitaxy 1-51437
- Tsang, W.T. *see* Pawlik, J.R. 1-46725
- Tsang, W.T. *see* Swaminathan, V. 1-28564
- Tsang, W.T. *see* van der Ziel, J.P. 1-51443
- Tsang Chin Fu *see* Chin Fu Tsang
- Tsankov, M.A., Ganchev, S.I. Error analysis of the perturbation permittivity measurements of microwave ferrites 1-42727
- Tsao, A.K. *see* Bur, A.J. 1-51047
- Tsao, D.F. *see* Burns, C.P. 1-51672
- Tsao, T. *see* Smith, J.R. 1-44414
- Tsao, T. *see* Stronach, A.F. 1-53704
- Tsaparas, G. *see* Brindle, J. 1-30208
- Tsapko, G.P., Pokrovskii, A.V., Toushkanov, Yu.K. Conversion of statistically distributed signals into pulses of stable duration 1-50604
- Tsarenko, V.I., Zhitomirskii, S.V., Nikolaev, A.A. Automatic manipulator model UM 160 FZ for metal cutting machines 1-44547
- Tsarev, N.M. *see* Egorov, V.V. 1-43881
- Tsarkov, V.M. *see* Garifulina, G.I. 1-35505
- Tsar'kova, T.P. *see* Aronson, E.V. 1-36021
- Tsaryuk, A.K., Kasatkina, B.S., Ivanenko, V.D., Kravchenko, N.F., Overchuk, V.I., German, S.I., Levenberg, N.E., Volychenko, N.P., Bugatski, A.A. The mechanised submerged-arc welding of thick metal with a narrow gap 1-49835
- Tsaur, B.Y., Fan, C.C., Gale, R.P. Solid-phase heteroepitaxy of Ge on (100)Si 1-27116
- Tsaur, B.Y. *see* Lau, S.S. 1-36524
- Tsaur, B.Y. *see* Tu, K.N. 1-32698
- Tsaur, B.-Y., Donnelly, J.P., Fan, J.C.C., Geis, M.W. Transient annealing of arsenic-implanted silicon using a graphite strip heater 1-50867
- Tsaur, B.-Y., Geis, M.W., Fan, J.C.C., Gale, R.P. Heteroepitaxy of vacuum-evaporated Ge films on single-crystal Si 1-39761
- Tsaur, B.-Y. *see* Fan, J.C.C. 1-27113
- Tsaur, B.-Y. *see* Gale, R.P. 1-49681
- Tsaur Bor-Yeu *see* Bor-Yeu Tsaur
- Tschappu, F. Problems of precision electrical power measurements in electrical networks in the presence of harmonics 1-38831
- Tscherning, E. ECONEX—a proven counterflow procedure in ion exchanger technology 1-53840
- Tschimpke, V.L. Mobile VHF reception in built-up areas and the improvement of the quality by diversity reception 1-33933
- Tschirf, E. Radiation protection in nuclear plant 1-48756
- Tschirnich, J., Sommer, M., Bartl, B. Frequency stabilized He-Ne/13-lasers used for wavelength standards 1-51340
- Tschumy, A. Analyzing the transient phase of the Malta scheme's pump-turbines 1-49342
- Tse-yun Feng *see* Chuan-lin Wu 1-33797
- Tsedilina, Ye.Ye. *see* Lobachevskiy, L.A. 1-51606
- Tsen-gong Jim Hsu Digital adaptive matched filter for fiducial mark registration [in electron beam lithography system] 1-50969
- Tsendrovskii, V.A. *see* Kartuzhanskii, A.L. 1-38279
- Tseng, D.Y., Conti, D.K., Eckhardt, W.O., Nevatia, R., Olin, K.E., McCulloh, T.A. Model-based scene matching 1-48811
- Tseng, F.I., Sarkar, T.K., Weiner, D.D. A novel window for harmonic analysis 1-29158
- Tseng, P.K. *see* Dai, C.C. 1-48650
- Tseng, W.F. *see* Grimaldi, M.G. 1-39769
- Tserng, H.Q., Nelson, S.R. 5-18 GHz, 3 dB hybrid coupler 1-27598
- Tserng Hua Quen *see* Hua Quen Tserng
- Tsertsvadze, A.A. *see* Gerasimov, A.B. 1-32837
- Tsetkov, V.A. *see* Mnatsakanyan, E.A. 1-41006
- Tseung, A.C.C. *see* Kelly, J.F.D. 1-34263
- Tseung, A.C.C. *see* Russel, P.G. 1-35349
- Tseytlin, B.M. *see* Gayduk, V.I. 1-33329
- Tseytlin, M.B. *see* Baylavskiy, B.A. 1-45864
- Tseytlin, M.B. *see* Gayduk, V.I. 1-32399
- Tsiatis, A.A. The asymptotic joint distribution of the efficient scores test for the proportional hazards model calculated over time 1-35759
- Tsibukis, T.D., Kriezis, E.E. VVMOS power transistors: upper and lower bounds of the on-resistance 1-32818
- Tsien, P.H., Ryssel, H., Rosenthaler, D., Ruge, I. Nd:YAG laser annealing of arsenic-implanted silicon: relaxation of metastable concentrations by means of CO<sub>2</sub>-laser irradiation 1-46055
- Tsien, P.H., Ryssel, H., Rosenthaler, D., Ruge, I. Nd:YAG laser annealing of arsenic-implanted silicon: dependence upon scanning speed and power density 1-50761
- Tsien, P.H., Tsou, S.C., Takai, M., Rosenthaler, D., Ramin, M., Ryssel, H., Ruge, I., Wittmaack, K. Annealing of boron-implanted silicon using a CW CO<sub>2</sub> laser 1-27929
- Tsien, P.H. *see* Takai, M. 1-32753
- Tsijiuchi, J. *see* Ohyama, N. 1-30418
- Tsikhotskii, E.S. *see* Turik, A.V. 1-28166
- Tsimanski, Yu.P. *see* Kel'zon, A.S. 1-49397
- Tsipouridis, J.I., Gibbs, B.M. Enhancement of a photoelectrochemical cell performance 1-49651
- Tsitsiyura, R.D. *see* Dolgonov, N.S. 1-48928
- Tsirlin, I.S. *see* Kantor, L.Ya. 1-37885
- Tsirlin, V.M. *see* Kantor, L.Y. 1-47643
- Tsirlin, V.M. *see* Kantor, L.Ya. 1-37885
- Tsirlin, V.M. *see* Kantor, P.Ya. 1-47597
- Tsirlin, Yu.A., Zelenskaya, O.V., Zuber, V.M., Matvietskaya, G.I., Sysoeva, E.P., Cherikovskaya, V.Ya. Metrological provisions for ionizing-radiation scintillation detectors 1-52712
- Tsirlin, Yu.A. *see* Vinograd, E.L. 1-30328, 1-38438
- Tsironis, C. 12 GHz receiver with self-oscillating dual-gate MESFET mixer 1-52226
- Tsironis, C., Harrop, P., Bostelmann, M. Active phase shifters at X band using GaAs MESFETs 1-27625
- Tsironis, C., Meier, R. Equivalent circuit of GaAs dual gate MESFETs 1-40582
- Tsisun, S.P. *see* Klibanov, L.I. 1-38240
- Tsitovich, A.P. *see* Ariskina, R.A. 1-30009
- Tsividis, Y. Self-tuned filters 1-36238
- Tsividis, Y. Filters with transfer function coefficients dependent only on timing 1-45509
- Tskhakaya, V.K., Yarygin, V.I. Low-temperature thermal emission rectifier with an oxidized titanium collector 1-27753
- Tslef, A. Combined properties of conductors. An aid for calculation of thermal processes in electrical and heat engineering 1-44590
- Tsochev, Kh. Problems of the determination of the function of readiness and the coefficient of readiness of systems with independent failing and restoring components 1-50062
- Tsoi, A.C., Kobe, M.U. Load forecasting of a power system 1-43621
- Tsoi, A.C. *see* Shafi, M. 1-41463
- Tsoi, E.V. Solvability of certain classes of multistage stochastic programming problems with arbitrary information structure 1-50221
- Tsokos, C.P. *see* Moradillo, D.P. 1-50130
- Tsolakis, A. *see* Bostian, C.W. 1-33340
- Tsolakis, A.I. *see* Besieris, I.M. 1-39707
- Tsonev, L., Savatinova, I., Simova, P. Ti:LiNbO<sub>3</sub> optical waveguides. Dependence of guide characteristics on diffusion time 1-28436
- Tsou, S.C. *see* Takai, M. 1-32753
- Tsou, S.C. *see* Tsien, P.H. 1-27929
- Tsou Shih-Chang *see* Deutch, B.I. 1-27932
- Tsou-Chiang Huang, Omura, J.K., Lindsey, W.C. Analysis of coherent satellite communication systems in the presence of interference and noise 1-37877
- Tsubaki, I., Ohnoki, T., Kihara, T., Kodama, M. Small-sized mobile equipment and automated maritime coin telephone system 1-42199
- Tsubaki, I., Sawada, T., Kihara, T., Ogura, H. A new small-sized 400 MHz 24-channel portable radio equipment 1-29642
- Tsuboi, A. *see* Tsuchiya, K. 1-43425
- Tsuboi, K. *see* Takehana, Y. 1-30112
- Tsuboi, T., Suzuki, J. Standard signal generator for multiband AM/FM radio receivers 1-42629
- Tsubomura, H. *see* Nakato, Y. 1-50850
- Tsubono, K. *see* Suzuki, T. 1-47054
- Tsubouchi, K., Sugai, K., Mikoshiba, N. High-frequency and low-dispersion SAW devices of AlN/Al<sub>2</sub>O<sub>3</sub> and AlN/Si for signal processing 1-32953
- Tsubouchi, K. *see* Morita, M. 1-27129
- Tsubouchi, N. *see* Satoh, S. 1-46315
- Tsuboya, I. *see* Fukutomi, H. 1-41854
- Tsuchida, H., Ohtsu, M., Tako, T. Frequency stabilization of AlGaAs DH lasers 1-46745
- Tsuchida, M. *see* Yamaguchi, Y. 1-41285
- Tsuchida, Y. *see* Inagaki, K. 1-50522
- Tsuchiya, K., Tsuboi, A., Kubo, Y. High precision digital LANDSAT image data processing techniques 1-43425
- Tsuchiya, T. State equations of electrical drives 1-49727
- Tsuchiya, Y., Takeshima, A., Hosoda, M. Stable ultrashort laser diode pulse generator 1-41098
- Tsuchiya, Y. *see* Kamikawai, R. 1-45416
- Tsuchiya, Y. *see* Nomura, S. 1-28165
- Tsuchiyama, K. *see* Yamada, M. 1-39026, 1-44181
- Tsuda, H. *see* Sone, N. 1-41968
- Tsuda, K. *see* Abe, Y. 1-31945
- Tsuda, T., Shibata, H. Computational verification on the existence of the global maximum of a multivariable function 1-50242
- Tsuda, T. *see* Sugioka, R. 1-42053
- Tsuei, C. *see* Kately, W. 1-39821
- Tsuei, C.C. *see* Chi, C.C. 1-28349

- Tsuei, C.C.** *see* Schultz, L. 1-28936
- Tsui, D.C.**, Gossard, A.C. Resistance standard using quantization of the Hall resistance of GaAs-Al<sub>0.2</sub>Ga<sub>0.8</sub>As heterostructures 1-34355
- Tsui, D.C.** *see* Englert, T. 1-46173
- Tsui, F.** Module construction for very-high volume-packaging density 1-44708
- Tsui, R.Y.**, Smith, R.J., II A high-density multi-layer PCB router based on necessary and sufficient conditions for single row routing 1-45775
- Tsui Ying L.** *see* Ying L. Tsui
- Tsuji, A.** Optimal fuel mix and load dispatching under environmental constraints 1-43899
- Tsuji, H.** *see* Shimamoto, S. 1-28369, 1-51118
- Tsuji, H.** *see* Tanaka, C. 1-46266
- Tsuji, K.** *see* Matoba, M. 1-34482
- Tsuji, M.**, Shigesawa, H. Transmission characteristics of dielectric slab waveguides in the submillimeter-wave region 1-36322
- Tsuji, M.**, Suhara, S., Shigesawa, H., Takiyama, K. Submillimeter guided-wave experiments with dielectric rib waveguides 1-40205
- Tsuji, M.** *see* Nonaka, S. 1-38978
- Tsuji, S.** *see* Abe, N. 1-33689
- Tsuji, S.** *see* Kurosawa, K. 1-41850
- Tsuji, S.** *see* Matsushima, H. 1-34156
- Tsuji, S.** *see* Mizuishi, K. 1-37170
- Tsuji, S.** *see* Shimazu, T. 1-43325
- Tsuji, T.**, Suma, K., Togawa, T. The biomedical instrumentation in emergency, its present and future 1-38477
- Tsuji, Y.** *see* Chadwick, H. 1-47607
- Tsuji, Y.** *see* Ishii, K. 1-48324
- Tsujide, T.**, Yasuoka, N., Hara, T., Tokushige, K., Hirakawa, N., Matsue, S., Kurakami, O. A 25 ns 16×1 static RAM 1-27473
- Tsujii, S.** *see* Kubota, H. 1-32355, 1-45538
- Tsujikawa, A.**, Yasuhara, H., Suzuki, H., Ohnuma, T. A comparison of PEF and foam-skin cores 1-32431
- Tsujimoto, T.** *see* Chino, M. 1-52684
- Tsuijoka, K.** *see* Fukunami, M. 1-43361
- Tsuijoka, K.** *see* Shimazu, T. 1-43325
- Tsuijuchi, J.** *see* Nakadate, S. 1-37232
- Tsuijuchi, J.** *see* Ohnuma, K. 1-41808
- Tsukabe, M.** *see* Sannomiya, N. 1-50230
- Tsukada, H.** *see* Ueda, J. 1-33869, 1-52022
- Tsukada, K.**, Sato, K., Hayakawa, K., Uetomi, I., Minowa, Y. Electron linear accelerator for the pion therapy 1-38526
- Tsukada, K.** *see* Kajitani, M. 1-37910
- Tsukada, N.**, Nakayama, T. Polarization-insensitive integrated-optic switch: a new approach 1-36966
- Tsukahara, S.**, Iwasaki, G. Wastewater treatment system for coal-fired power plants 1-43894
- Tsukakoshi, N.** *see* Sugita, K. 1-38155
- Tsukakoshi, T.** *see* Ohashi, H. 1-40577
- Tsukamoto, K.** *see* Horiba, Y. 1-32315
- Tsukamoto, K.** *see* Nomura, M. 1-51910
- Tsukamoto, K.** *see* Otsu, Y. 1-29018
- Tsukamoto, M.**, Okamura, K., Goto, J., Nakamura, O., Akamatsu, T. Phosphate glass fiber made by a liquid-phase process 1-36901
- Tsukamoto, M.**, Okamura, K., Goto, J., Nakamura, O., Akamatsu, T. Fabrication of a large preform for a 40-km length of fiber using the CVD method 1-36935
- Tsukamoto, M.** *see* Goto, K. 1-41970
- Tsukamoto, N.** *see* Hatori, M. 1-33647
- Tsukamoto, O.**, Iwata, Y., Yamamura, S. Analysis of ride quality of repulsive type magnetically levitated vehicles 1-31552
- Tsukamoto, O.**, Maguire, J.F., Bobrov, E.S., Iwasa, Y. Identification of quench origins in a superconductor with acoustic emission and voltage measurements 1-51099
- Tsukamoto, O.**, Sinclair, M.W., Steinhoff, M.F., Iwasa, Y. Origins of acoustic emission in superconducting wires 1-36850
- Tsukamoto, O.** *see* Sinclair, M.W. 1-28401
- Tsukanov, V.G.** *see* Aleksanyan, A.G. 1-50848
- Tsukasa, F.** *see* Sakai, S. 1-52409
- Tsukerman, V.G.** *see* Budarnykh, V.I. 1-27106
- Tsukiji, T.**, Tou, S. High gain and broad band Yagi-Uda array antenna composed of twin-delta loops 1-41430
- Tsukioka, K.** Crystal characterization by magneto-plasma resonance in N-type InSb 1-50777
- Tsukiyama, S.**, Kuh, E.S., Shirakawa, I. On the layering problem of multilayer PWB wiring 1-45778
- Tsukiyama, T.**, Suwa, M. Digital image processor—a experimental tool for image processing research 1-48012
- Tsukizoe, A.** *see* Kozawa, T. 1-46251
- Tsukkerman, N.S.** *see* Mikolaitis, V.A. 1-37017
- Tsukui, T.**, Takamura, M., Kako, Y. Correlations between nondestructive and destructive tests on high-voltage coil insulations for rotating machines 1-31162
- Tsukui, T.** *see* Watanabe, M. 1-38954
- Tsukumo, J.** *see* Sugita, K. 1-38155
- Tsukushi, M.** *see* Ohshita, Y. 1-35301
- Tsuladze, G.M.** *see* Bandzeladze, A.E. 1-34316
- Tsulaya, M.I.**, Gabelya, M.S., Djamaspishvili, S.I., Dobrzynski, L., Blinowski, K., Chelmicki, L. Polarized neutron set-up for experimental study of the neutron nuclear precession 1-48658
- Tsumura, A.** *see* Nakato, Y. 1-50850
- Tsun Wu Tai** *see* Tai Tsun Wu
- Tsunashima, S.**, Mitsuya, S., Uchiyama, S. Properties of amorphous iron-metalloid thin films 1-32962
- Tsunematsu, T.** *see* Yawo, H. 1-44845
- Tsunenari, K.** *see* Urisu, T. 1-51351
- Tsung-Yuan Hsu**, Buhay, H., Murarka, N.P. Characteristics and applications of Ag<sub>2</sub>S films in the millimeter wavelength region 1-45968
- Tsuno, K.**, Harada, Y. Elimination of spiral distortion in electron microscopy using an asymmetrical triple pole-piece lens 1-45885
- Tsuno, K.** *see* Yamaguchi, T. 1-37236
- Tsurkan, N.V.** *see* Kadomskaya, K.P. 1-34929
- Tsurubuchi, S.** *see* Imamura, H. 1-52662
- Tsurumi, S.** *see* Arita, K. 1-32473
- Tsuruoka, R.** *see* Sasaki, R. 1-34989
- Tsuruoka, S.** *see* Nasu, T. 1-48689
- Tsuruta, K.** *see* Shibata, F. 1-44093
- Tsuruta, K.** *see* Takehana, Y. 1-30112
- Tsuruta, Y.** *see* Seki, N. 1-53550
- Tsushima, K.** *see* Itoh, S. 1-46712
- Tsutsumi, K.** *see* Matsumura, M. 1-36680
- Tsutsumi, M.**, Kumagai, N. Reflection of millimeter waves by a corrugated ferrite slab waveguide 1-46991
- Tsutsumi, M.**, Masaoka, Y., Ohira, T., Kumagai, N. A new technique for magnetostatic wave delay lines 1-40824
- Tsutsumi, M.** *see* Ohira, T. 1-45594
- Tsutsumi, M.** *see* Surawatpunya, C. 1-40213
- Tsutsumi, S.** *see* Itakura, Y. 1-51231
- Tsutsumi, S.** *see* Minami, S. 1-48855
- Tsutsumi, T.** *see* Kasahara, K. 1-42694
- Tsutsumi, T.** *see* Okawa, M. 1-49635
- Tsuya, H.** *see* Shimura, F. 1-40380
- Tsuyuki, S.** *see* Ohue, K. 1-39963
- Tsuzuki, T.** *see* Yamazaki, N. 1-30037
- Tsvetanov, P.** System of models for assessment of long term development of the energy complex in Bulgaria 1-30666
- Tsvetkov, A.A.** *see* Onishchenko, A.M. 1-52731
- Tsvetkov, I.L.**, Fominykh, V.I. Calorimeter for absolute measurement of absorbed electron dose 1-38419
- Tsvetkov, V.A.** *see* Tsvetkov, V.V. 1-36983
- Tsvetkov, V.F.** *see* Tairov, Yu.M. 1-35934
- Tsvetkov, V.I.** *see* Gleizer, I.Z. 1-27758, 1-30223
- Tsvetkov, V.V.**, Fedorov, V.B., Tsvetkov, V.A., Fedorova, M.N. Investigation of liquid-crystal polarization-plane switches based on the twist effect and utilizing two-frequency control 1-36983
- Tsvetkov, Yu.V.** *see* Denker, B.I. 1-28693
- Tsvetov, E.R.** *see* Buchin, A.V. 1-41153
- Tsvetov, M.A.** *see* Vasil'ev, K.K. 1-47179
- Tsvign, A.V.** *see* Bleikhman, V.S. 1-47220
- Tsvinev, A.P.** *see* Golovanov, L.B. 1-30307
- Tsvit, V.A.** *see* Fedorin, A.K. 1-30787
- Tsvyk, R.Sh.** *see* Galakhov, V.N. 1-36297
- Tsybakov, B.S.** Resolution of a conflict of known multiplicity 1-29052
- Tsybin, O.Yu.** *see* Bolotov, V.E. 1-38357
- Tsyganenko, Y.V.** *see* Izrailev, Y.L. 1-35056
- Tsymbalyuk, A.A.** The durability of resistance-welding electrodes in lines for the production of reinforcing members 1-35543
- Tsyppin, Ya.Z.** *see* Polyak, B.T. 1-35824
- Tsyvin, A.A.** *see* Bazzhim, Yu. 1-52457
- Tu, K.N.**, Thompson, R.D., Tsaor, B.Y. Low Schottky barrier of rare-earth silicide on n-Si 1-32698
- Tu, K.N.** *see* Eizenberg, M. 1-36519
- Tu, K.N.** *see* Kritzer, S. 1-27858
- Tu, K.N.** *see* Ohdomari, I. 1-46051
- Tu, S.** *see* Mikhael, W.B. 1-45343, 1-45511, 1-50450
- Tu Chen** The micromagnetic properties of high-coercivity metallic thin films and their effects on the limit of packing density in digital recording 1-28223
- Tuan, H.S.**, Parekh, J.P. Diffraction and beam steering of magnetostatic surface waves 1-37357
- Tuan, H.S.** *see* Parekh, J.P. 1-46436
- Tuan Kiet Duong** *see* Martin, J.-M. 1-47457
- Tuan Pham-Dinh** *see* Pham-Dinh Tuan
- Tubeuf, M.** *von* *see* von Tubeuf, M.
- Tubridy, G.** S-band TRAPATT oscillator with reduced frequency-temperature dependence 1-45641
- Tuchin, V.V.** Modulation of intensity and of radiation frequency of an Ar<sup>+</sup>-laser by discharge current perturbations 1-28647
- Tuchkevich, V.M.**, Tepman, I.A., Kovalev, F.I., Yakivchik, N.I. Fabrication of power semiconductor devices 1-32780
- Tuchkevich, V.V.** *see* Ivanov, E.I. 1-32693
- Tuchloski, J.** *see* Seruga, W. 1-31699
- Tuchman, W.L.** *see* Matyas, S.M. 1-29282
- Tuchman, W.L.** *see* Meyer, C.H. 1-29283
- Tuck, B.** *see* Brozel, M.R. 1-46052
- Tuck, R.A.** *see* Green, M.C. 1-32546
- Tucker, A.W.** *see* Birnbaum, M. 1-41070
- Tucker, C.E.** Microcircuit wire bond tensile strength tester 1-27733
- Tucker, C.J.**, Jones, W.H., Kley, W.A., Sundstrom, G.J. A three-band hand-held radiometer for field use 1-43461
- Tucker, J.T.** *see* Wrabetz, V.E. 1-46861
- Tucker, M.** Synthesised computer power, its application, monitoring and distribution 1-44235
- Tucker, R.S.** Circuit model of double-heterojunction laser below threshold 1-37138
- Tucker, R.S.** RF characterization of microwave power FETs 1-46147
- Tucker, W.B.** *see* Patel, J.N. 1-47989
- Tuckerman, D.B.**, Pease, R.F.W. High-performance heat sinking for VLSI 1-36654
- Tudor, T.** *see* Dumitrica, A. 1-36977
- Tudron, F.B.** Dynamic microcalorimetry: thermal effects of miniature alkaline cells under load 1-35336
- Tuduge, R.** *see* Cristea, P. 1-32143
- Tueta, R.**, Braguier, M. Fabrication and characterization of indium tin oxide thin films for electroluminescent applications 1-50326
- Tuft, D.B.**, Murphy, M.J. Computer design of a high explosive velocity augmented kinetic energy penetrator 1-45017
- Tufts, D.W.** *see* Kumaresan, R. 1-29203
- Tugnait, J.K.** Asymptotic stability of the MMSE linear filter for systems with uncertain observations 1-37484
- Tugnait, J.K.** Stability of optimum linear estimators of stochastic signals in white multiplicative noise 1-41635
- Tuladhar, K.K.**, Cox, B.D. Design of 4th-order monolithic crystal filters 1-46358
- Tulaikova, T.V.** *see* Belovolov, M.I. 1-37942
- Tulaja, V.** *see* Siegl, J. 1-50620
- Tulin, N.A.** *see* Borodachev, A.S. 1-31712
- Tulip, J.** *see* Dharamsi, A.N. 1-51354
- Tullos, L.** *see* Danso, K.A. 1-50894
- Tulovskij, V.N.** *see* Golosov, A.O. 1-35851
- Tulyathan, P.** *see* Newman, E.H. 1-28974
- Tumaikin, A.**, Van Haeringen, W., Lenstra, D. Polarization properties of single-mode gas lasers with unusual mode patterns 1-51363
- Tumaikin, A.M.** *see* Krivoshechekov, G.V. 1-33264
- Tumatu, S.** On a combinatorial problem of Matsuyama 1-44935
- Tummala, R.R.** *see* Humenik, J.N. 1-27729
- Tumpner, J.**, Ganschow, O., Benninghoven, A. Scanning ion source for static SIMS and depth profiling 1-38394
- Tuncay, R.N.** *see* Chalmers, B.J. 1-49496
- Tuncay, R.N.** *see* Penman, J. 1-44122
- Tung, E.W.** *see* Otazo, J.J. 1-48807
- Tung Hai Chin**, Tomita, H. The principles of eliminating pulsating torque in current source inverter induction motor systems 1-44098
- Tung-he Chang** *see* Chang Tung-he
- Tungate, G.** *see* Egghof, P. 1-43163
- Tunstall-Pedoe, D.S.** *see* Macpherson, P.C. 1-30414
- Tuozzolo, J.** *see* Weng, W.T. 1-48342
- Turan, G.** Energy saving in low-voltage distribution installations: prevention of fires 1-49087
- Turban, G.**, Catherine, Y., Grolleau, B. A study of the silane glow discharge deposition by isotopic labelling 1-27156
- Turbe, N.** Averaging of a non-linear integrodifferential equation 1-50260
- Turbini, L.J.**, Rudd, D.W., Walsh, B.A. Reliability testing of detergent cleaning of FR-4 test coupons [PWB manufacture] 1-27703
- Turchanikov, V.I.** *see* Lysenko, V.S. 1-42712
- Turchanovich, L.K.** *see* Alekseev, A.V. 1-52742
- Turchetti, C.** *see* Calzolari, P.U. 1-27295
- Turchi, M.** *see* Martinelli, G. 1-41627
- Turchinskiy, V.M.** *see* Gavanin, V.A. 1-45854
- Turck, B.** *see* Faivre, D. 1-28397
- Turck, B.** *see* Lefevre, F. 1-28293
- Turcke, D.** *see* Siu, D. 1-39680
- Turco, C.** *see* Omini, M. 1-45145
- Turek, J.L.** *see* Kurstedt, H.A. 1-31812
- Turek, K.** *see* Luck, H.-B. 1-30363
- Turgis, L.** The INS system: low tension distribution installation by modular insulated IP 65 boxes 1-30728
- Turi, R.A.** *see* Kapoor, V.J. 1-27874
- Turiel, I.** *see* Levine, M. 1-31694
- Turik, A.V.**, Sidorenko, E.N., Kazaryan, L.M., Kryshon, V.G., Tsikhotskiy, E.S. Dielectric properties of Ba<sub>4</sub>Li<sub>2</sub>Nb<sub>10</sub>O<sub>30</sub> crystals 1-28166
- Turinsky, G.** Equivalent circuits for short transmission lines [printed circuits] 1-32492
- Turk, I.** *see* Kokelj, P. 1-31276, 1-39022
- Turkevich, A.L.** *see* Dabrowski, A.J. 1-34449
- Turkner, K.-H.** *see* Landstorfer, F.M. 1-41429
- Turko, B.T.**, Kolbe, W.F., Leskovar, B., Sun, R.K. Development of electro-optical instrumentation for reactor safety studies 1-34231
- Turkot, F.** *see* Kerns, Q. 1-43070
- Turkot, F.** *see* Kidd, J. 1-43067
- Turkot, F.** *see* Krafczyk, G. 1-43065
- Turkovskij, V.G.** *see* Genrikh, G.A. 1-39053
- Turn, R.** Transborder dataflows: issues and organizations 1-29433
- Turneure, J.P.** *see* Lyncis, C.M. 1-48417

- Turner, A.B. Modelling techniques for the study of HVDC infeeds to weak AC systems 1-43647
- Turner, C. *see* Bradford, M. 1-49091
- Turner, C.W. *see* Kruczyński, L. 1-44386
- Turner, D.F., Petrofsky, J.S., Glaser, R.M. Digital spirometer for automatic pulmonary function 1-52758
- Turner, D.J. *see* Stevens, J.C. 1-30437
- Turner, D.P., Thomas, I.P., Allison, J., Thompson, M.J., Rhodes, A.J., Austin, I.G., Searle, T.M. The growth and properties of bias-sputtered a-Si:H 1-45108
- Turner, D.P. *see* Thomas, I.P. 1-35976
- Turner, E.B., Willey, H.M. Microprocessor-based universal motor protection system 1-39103
- Turner, E.H., Stolen, R.H. Fiber Faraday circulator or isolator 1-51185
- Turner, F.T., Hutchinson, M. Individual wafer metallizing system case history 1-46084
- Turner, F.T., Hutchinson, M. Individual wafer metallizing system - a case history. II 1-50891
- Turner, G.W. *see* Deutsch, T.F. 1-31443
- Turner, G.W. *see* Gale, R.P. 1-49681
- Turner, H.W. *see* Bradford, M. 1-49091
- Turner, J.A. Fabrication technologies for GaAs monolithic circuits 1-36679
- Turner, J.A. *see* Pengelly, R.S. 1-27626, 1-45691
- Turner, J.F. *see* Hooper, A. 1-44344
- Turner, J.F. *see* Phillips, G.C., Jr. 1-45810
- Turner, K.S. *see* Heffernan, M.D. 1-38725, 1-38733
- Turner, L.E., Bruton, L.T. Elimination of limit cycles in recursive digital filters using a generalized minimum norm 1-45554
- Turner, L.F. *see* Alcaim, A. 1-51809
- Turner, L.F. *see* Frangoulis, E. 1-51811
- Turner, L.R. *see* Baker, C.C. 1-35016
- Turner, M., Dagostino, T. Envelope mode extends digital oscilloscope accuracy and usefulness 1-52494
- Turner, M. *see* Dagostino, T. 1-48134
- Turner, M.E., Jr. *see* Strand, E.M. 1-52785
- Turner, M.J.L. *see* Sims, M.R. 1-34465
- Turner, R.E. Low-cost generator delivers all standard bit rates 1-50456
- Turner, T. IC failure-rate calculations evaluate components realistically 1-46190
- Turner, T.M., Claus, R.O., Ocheltree, S.L. Pulse-echo interface wave characterization of bolted plates 1-43403
- Turner, W. Overcoming lighting problems 1-35498
- Turner, W.C., Estes, C.B., Tompkins, B., Blevins, L. Economic analysis of energy-efficient lamps 1-31640
- Turner, W.D. *see* Sprague, R.A. 1-47974
- Turnhout, J. *see* van Turnhout, J.
- Turnipseed, J.M. *see* Barns, R.L. 1-36937
- Turbo, R. Safety systems for nuclear power stations 1-49243
- Turnquist, D. *see* Boggs, S.A. (editor) 1-26775
- Turowski, J. Generalized equations for electromechanical and electrodynamic energy conversion 1-38941
- Turowski, P. *see* Benichou, J. 1-52639
- Turrin, A. Polarization eigenvector in synchrotrons equipped with Siberian Snakes 1-42882
- Turrin, R.H. A conical-horn helical-wire hybrid-mode antenna 1-41393
- Tursunov, A.A. *see* Bakhadyrkhanov, M.K. 1-37012
- Turtelli, A. *see* Badino, G. 1-48611
- Turtiainen, H. *see* Niemela, A. 1-43590
- Turtudau, F. *see* Silard, A. 1-32813
- Turzik, D. *see* Nesetirli, J. 1-50076
- Tushentsova, I.A. *see* Lobachevskiy, L.A. 1-51606
- Tustin, W. Shake-tests for electronic assemblies 1-26913
- Tustin, W. Vibration, shock and intense noise testing for reliability 1-31869
- Tuszynski, A. *see* Tetzlaff, D.E. 1-40077
- Tuteja, R.K. *see* Hooda, D.S. 1-33415
- Tutt, W.E. *see* Ott, W.B. 1-36823
- Tutte, W.T. Rotors in graph theory 1-27030
- Tutte, W.T. Graph factors 1-39575
- Tuttle, D.J. Purpa 210: new life for cogenerators 1-35042
- Tuttle, R.P. *see* Gielow, T. 1-48171
- Tuttle, R.P. *see* Miller, M.R. 1-48172
- Tuttschky, G. Evaluation of the testing sensitivity in non-destructive material tests 1-39413
- Tuy Hoang *see* Hoang Tuy
- Tuyle, G.J. *see* Van see Van Tuyle, G.J.
- Tuzovskii, A.M. *see* Akhtyrskii, V.V. 1-31442
- Tvaruzkova, J., Skursky, M. On coordination of LV systems 1-49011
- Tverdokhle, P.E. Multichannel computation of quadratic forms by noncoherent methods 1-28547
- Tverdokhle, P.E. Organisation of system for multichannel parallel processing of data blocks 1-41789
- Tveten, A.B. *see* Dandridge, A. 1-37163, 1-41102, 1-46491, 1-46507
- Tveten, A.B. *see* Miles, R.O. 1-41081, 1-42611
- Twaddell, W. EEPROMs gain in density and speed, threaten to displace UV EPROMs 1-27395
- Twaddell, W. Operational-amplifier improvements continue steady, linear growth 1-45289
- Tweedie, A.A. *see* Ismail Abdel-latif, A. 1-50722
- Tweedie, A.T., Lieberman, P.A. Quantitative structural design of high voltage potted electronic modules 1-50724
- Tweedie, A.T. *see* Ismail Abdel-latif, A. 1-50723
- Tweel, Ivan der *see* van der Tweel, I.
- Twidale, J. *see* Sakauye, G. 1-46333
- Twitmeyer, H. Digital identification-signal generator 1-34035
- Tyagai, V.A. *see* Shirshov, Yu.M. 1-40478
- Tyagi, M.S. *see* Korde, R.S. 1-36589
- Tyagi, M.S. *see* Ram, G.V. 1-32261, 1-45987
- Tyagi, T.R. *see* Dabas, R.S. 1-33345
- Tyannaya, V.T. *see* Gazdaika, B.P. 1-30554
- Tyazhev, A.I. Frequency discriminators based on digital phase-lock automatic-frequency-control systems 1-39993
- Tychina, I. *see* Januskevicius, Z. 1-45965
- Tydemann, J. *see* Lipinski, H. 1-37778
- Tykarski, L. The effect of the probe parameters on the precision of NMR magnetometers [magnetometer read magnetometer] 1-47896
- Tykotskii, V.V. *see* Arlantev, S.V. 1-37078
- Tylee, J.L. *see* Feeley, J.J. 1-30948
- Tyler, A.L. *see* Iskander, M.F. 1-38276
- Tyler, G. *see* Donn, M. 1-41934
- Tyler, T.N. Gated SCR cuts heating-element power use without producing RF noise 1-44478
- Tyman, A. *see* Juchniewicz, J. 1-32907
- Tymes, L.W. Routing and flow control in TYM-NET 1-33801
- Tyner, J.T. Distribution substation design and construction trends 1-35293
- Tyner, J.T. Communications: load management's vital link 1-48971
- Typke, D. Image aberrations of axially symmetric imaging systems with off-axial rays: three-dimensionally imaging electron microscopes. III 1-50738
- Tyrnov, O.F. *see* Nisbet, J.S. 1-28917
- Tyrowicz, A. *see* Bibro, M. 1-48214
- Tyu Nguen Ngok *see* Nguen Ngok Tyu
- Tyukanov, Yu.M. Synthesis of optimum networks allowing for electrical loads 1-34861
- Tyu'kin, L.V. Low-bulk apparatus 'MARS-2' for testing the electrical equipment of distribution networks 1-49068
- Tyulin, V.A. *see* Krekhtupov, V.M. 1-28919
- Tyupa, V.T. *see* Bashtannikov, L.A. 1-38272
- Tyurin, A.S. *see* Bunev, M.K. 1-53829
- Tyurin, Yu.A. *see* Zhigalskii, G.P. 1-30042
- Tyutikov, A.M. *see* Leonov, N.B. 1-36445
- Tyut'kin, V.A. *see* Bendaletov, V.N. 1-31514
- Tzanakos, G. *see* Brando, T. 1-34483
- Tzannes, N.S., Avgeris, T.G. A new approach to the estimation of continuous spectra 1-41466
- Tzeng, Y.C. *see* Chu, T.L. 1-36476
- Tzer-Sen Lee Identification and spectral estimation of noisy multivariate autoregressive processes 1-37631
- Tzoar, N., Pascone, R. Radiation loss in tapered waveguides 1-51175
- Tzoar, N. *see* Bendow, B. 1-41139
- Tzong-shyan Lin, Hsiao-chuan Wang Segmentation method for isolated Mandarin word speech recognition 1-41520
- Tzuo-Chang Lee *see* Tamura, P.N. 1-41812
- Ubaladini, M. *see* Farini, A. 1-53425
- Ubar, R. Vectorial alternative graphs and error diagnosis in digital systems 1-27434
- Uberall, H. *see* Gaunaud, G. 1-29784
- Uberall, H. *see* Gaunaud, G.C. 1-41209
- Uberall, H. *see* Moser, P.J. 1-42292
- Uberbacher, E.C. Cable connector with integral grounding feature 1-32481
- Uberbacher, E.C. Processor-controlled zero insertion force connector 1-50661
- Uccello, R. *see* Bortolin, J. 1-30831
- Uchida, A. *see* Watanabe, M. 1-42822
- Uchida, K., Aoki, K. Plane wave scattering by a thick lossy dielectric half-plane 1-46854
- Uchida, K. *see* Takahashi, H. 1-47600
- Uchida, M. *see* Ida, M. 1-36685
- Uchida, M. *see* Moriki, K. 1-46735
- Uchida, N., Sekine, Y. An optimization method for electric generation expansion planning by nonlinear programming. II. KW model 1-34794
- Uchida, N., Sekine, Y. An optimization method for electric generation expansion planning by nonlinear programming. I. KWH model 1-34795
- Uchida, N. *see* Ishihara, K. 1-40922
- Uchida, N. *see* Iwasaki, M. 1-42239
- Uchida, N. *see* Kato, Y. 1-28452
- Uchida, N. *see* Kitayama, K. 1-36871
- Uchida, N. *see* Nakazawa, M. 1-40981, 1-46506, 1-51444
- Uchida, N. *see* Shibata, N. 1-46513
- Uchida, T. Present state of liquid crystal developments 1-42702
- Uchida, T., Akatsuka, M. Matrix-driving characteristics of a DTN-liquid crystal cell 1-40976
- Uchida, T., Seki, H., Shishido, C., Wada, M. Bright dichroic guest-host LCDs without a polarizer 1-40975
- Uchida, T., Wada, M. Guest-host type liquid crystal displays 1-42704
- Uchida, T. *see* Fukuda, I. 1-38249, 1-46590
- Uchida, T. *see* Takahashi, Y. 1-52534
- Uchida, Y., Kano, I., Katsuki, I., Nishiguchi, O. PTS 1100 system and its application to thermal power plant 1-30971
- Uchida, Y. *see* Hongo, K. 1-37851
- Uchida, Y. *see* Isobe, M. 1-27469
- Uchida, Y. *see* Mizutani, Y. 1-40710
- Uchida, Y. *see* Saito, S. 1-46314
- Uchiike, H., Fukushima, Y., Murase, K., Andoh, S. Wall-charge shift mechanism of high-speed self-shift plasma display panels 1-45880
- Uchimura, K. *see* Iwata, A. 1-33862, 1-33872, 1-52007
- Uchino, H., Nomura, M. The new MELD solid-state emergency-landing device for elevators 1-53748
- Uchino, K., Nomura, S., Cross, L.E., Jang, S.J., Newnham, R.E. Pressure gauge using relaxor ferroelectrics 1-42603
- Uchino, K. *see* Gomi, M. 1-40964
- Uchino, K. *see* Ikeda, H. 1-42967
- Uchino, K. *see* Nomura, S. 1-28165
- Uchinokura, K. *see* Inushima, T. 1-28163
- Uchiyama, S. *see* Tsunashima, S. 1-32962
- Uchirin, J. Development of high resolution Ge/(Li) detectors for the lifetime measurement of excited nuclear levels by means of Doppler effect 1-43209
- Uda, M. *see* Kirihata, H. 1-30348
- Udagawa, M., Obara, M., Fujioka, T. Theoretical study of a pulsed HF chemical laser: comparison of performance between F<sub>2</sub>/H<sub>2</sub> and F/H<sub>2</sub> systems 1-41058
- Udagawa, R. *see* Nishikawa, T. 1-41992
- Udagawa, T., Higashiura, M., Nakanishi, T. Redistribution and vaporization of Cr impurities in semi-insulating GaAs 1-27818
- Udagawa, T., Nakanishi, T. Effect of Cr concentration on electrical properties of Cr-doped semi-insulating GaAs substrates 1-50778
- Udal'ev, Yu.E. *see* Gut, R.E. 1-51660
- Udalov, N.P. *see* Busurin, V.I. 1-48066
- Uddenfelt, J. Data transmission gives mobility 1-37744
- Udo, F. *see* Jonker, M. 1-43256
- Udo, M. *see* Namba, M. 1-35156
- Udovenko, V.F. *see* Markus, A.M. 1-52619
- Udrea, E., Udrea, M. A compact nitrogen laser 1-28646
- Udrea, E. *see* Chis, I. 1-37073
- Udrea, M. *see* Udrea, E. 1-28646
- Udrea, M.V., Vlad, V.I. UV pulsed holography using a nitrogen laser 1-37233
- Udrea, M.V. *see* Chis, I. 1-37073
- Uechi, W. *see* Gambe, H. 1-48016
- Ueckert, J. Unitary techniques in telecommunications enterprises of the Federal German Post Office 1-47287
- Ueda, E. *see* Hongo, K. 1-37851
- Ueda, H., Watanabe, T. Linearity of ferromagnetic core solenoids used as magnetic sensors 1-30543
- Ueda, H. *see* Miyawaki, S. 1-45299
- Ueda, H. *see* Sugita, K. 1-38155
- Ueda, J., Inoue, N., Kanai, T. Design and technology for FM cellular portable telephone equipment 1-29369
- Ueda, J., Tsukada, H., Mori, H., Kato, K., Matsumoto, T. An optically-coupled crosspoint array [for telephone exchange networks] 1-33869
- Ueda, J., Tsukada, H., Mori, H., Kato, K., Matsumoto, T. An optically-coupled crosspoint array with high dv/dt capability and high gate sensitivity 1-52022
- Ueda, K. *see* Honda, S. 1-46462
- Ueda, K. *see* Hosaka, T. 1-47502
- Ueda, M., Ichikawa, H. Calculation of diffraction integrals in near field by power series expansion 1-52961
- Ueda, M. *see* Ishida, M. 1-35166
- Ueda, M. *see* Maeda, M. 1-43372
- Ueda, M. *see* Shiba, K. 1-30093
- Ueda, N., Yamada, S., Hasegawa, T., Sekiguchi, M., Fujisawa, T., Motonaga, S. Acceleration of the polarized proton and deuteron at the INS SF cyclotron 1-43159
- Ueda, N., Yamada, S., Tojiyo, E., Hattori, T., Yoshida, K., Hori, T. RF field measurement and its analysis on a model resonator of the interdigital H type linac 1-48377
- Ueda, N. *see* Fujisawa, T. 1-43160
- Ueda, N. *see* Osada, M. 1-36375
- Ueda, N. *see* Tokuda, N. 1-48436
- Ueda, O., Komiya, S., Yamakoshi, S., Kotani, T. TEM observation of dark defects appearing in InGaAsP/InP double-heterostructure light emitting diodes aged at high temperature 1-46654

- Ueda, R., Takata, S. Effects of induction machine load on power system 1-34769
- Ueda, R., Takata, S. Effects of induction machine load on power system 1-43531
- Ueda, R. *see* Shinohara, K. 1-33238
- Ueda, S. *see* Asano, T. 1-41969
- Ueda, S. *see* Ishikawa, S. 1-29747
- Ueda, S. *see* Koshimura, I. 1-29918
- Ueda, S. *see* Miyazaki, N. 1-43875
- Ueda, T. Electronic grating moire topography 1-43327
- Ueda, T., Kodaira, K. Wiring algorithms for Balanced Skip Multiples 1-47476
- Ueda, T., Kodaira, K. Wiring algorithms for Balanced Skip Multiple 1-52026
- Ueda, T., Niihara, Y., Ajiro, K., Sato, S., Oshitani, S. Site test of 500 m 206 MW pump-turbine and 220 MVA generator-motor 1-31204
- Ueda, T. *see* Matsuda, J. 1-47326, 1-51914
- Ueda, Y., Okubo, T., Fujita, H. Extraction of phase difference in the Fourier-transformed space for boundary detection 1-41819
- Ueda, Y., Sasao, H., Murai, Y., Yoshinaga, K., Miyamoto, T., Kuwahara, H., Tominaga, S. Spectroscopic observation of arcs in puffer type SF<sub>6</sub> model circuit breaker 1-35310
- Ueda, Y., Sasao, H., Murai, Y., Yoshinaga, K., Tiyamoto, T., Tominaga, S. Self-flow generation phenomena in a gas circuit breaker without puffer action 1-49616
- Ueda, Y. *see* Inoue, Y. 1-39876
- Ueda, Y. *see* Ushio, T. 1-49615
- Ueda, Y. *see* Watanabe, A. 1-48001
- Uede, H., Kanatani, Y., Kishishita, H., Fujimori, A., Okano, K. Thin-film electroluminescent display units 1-48173
- Ueguri, S., Tabata, Y., Hiramoto, S., Mizuno, T., Mitani, M. The development of the Clean Mag transistor-pulsed MAG welders 1-44551
- Uehara, K. *see* Takahashi, S. 1-52544
- Uehara, S. *see* Nagata, K. 1-28327, 1-51108
- Uehara, S. *see* Tazo, Y. 1-40863
- Uehara, T., vanCleeput, W.M. Optimal layout of CMOS functional arrays 1-32266
- Uehara, T. *see* Maruyama, F. 1-40032
- Uehara, T. *see* Saito, T. 1-45425
- Uehori, T. *see* Watanabe, A. 1-40779
- Ueki, A. *see* Furui, Y. 1-36950
- Ueki, M. *see* Hirata, Y. 1-34370
- Ueki, Y. *see* Ishikawa, F. 1-30137
- Ueki, Y. *see* Namba, M. 1-43555
- Uematsu, H. *see* Nakanishi, R. 1-44286
- Uematsu, H. *see* Takashima, H. 1-37853
- Uematsu, M., Odajima, K., Inoue, Y. New sensors for monitoring water and wastewater 1-42593
- Uematsu, Y., Senba, H. General purpose picture processor 1-30036
- Uematsu, Y. *see* Kinoshita, J. 1-27117
- Uemura, C., Shinoyama, S., Yamamoto, A., Tohno, S. LEC growth and characterization of undoped InP crystals 1-39734
- Uemura, C. *see* Yamamoto, A. 1-32051
- Uemura, K. *see* Miura, S. 1-38496
- Uemura, K. *see* Takagi, T. 1-30826, 1-34963
- Uemura, S., Kiyozumi, K. Flat VFD TV display incorporating MOSFET switching array 1-42695
- Uemura, S. *see* Wada, T. 1-27833
- Uemura, Y., Iwata, M. Structural and electrical properties of AlN-Au composite films 1-32724
- Uemura, Y. *see* Kodama, T. 1-36745
- Ueno, F., Inoue, T., Taniguchi, K. A new I<sup>2</sup>L multivalued operational circuit using ROM structure 1-40061
- Ueno, F. *see* Inoue, T. 1-32154
- Ueno, F. *see* Yamakawa, T. 1-36226
- Ueno, M. A systematic design formulation for Butler matrix applied FFT algorithm 1-41294
- Ueno, N. *see* Toya, H. 1-39097, 1-44271
- Ueno, S. Invariant imbedding approach to the solution of linear least-squares estimation problem with degenerate covariance 1-37581
- Ueno, T. *see* Fukuyama, T. 1-34158
- Ueno, T. *see* Tani, C. 1-46587
- Ueno, Y. Crystal oscillators: indispensable frequency source for diverse fields 1-39969
- Ueno, Y. *see* Ohgushi, Y. 1-37929
- Uenosono, C., Okada, T., Matsuki, J. Analysis of steady-state characteristics of salient-pole synchronous generator by flux waveforms detected by search coils 1-35141
- Uenoya, T. *see* Iwasaki, M. 1-42239
- Uesaka, T., Sugahara, H., Fujimura, T. A new method for adjusting the color purity and convergence of color picture tubes 1-50729
- Ueshiba, N. *see* Tominaga, K. 1-27148
- Uesugi, N., Ikeda, M., Sasaki, Y. Maximum single frequency input power in a long optical fibre determined by stimulated Brillouin scattering 1-40889
- Ueta, S. *see* Nishijima, S. 1-39829
- Uetomi, I. *see* Tsukada, K. 1-38526
- Ueunten, R. *see* Herbelin, J.M. 1-28637
- Ufer, D. *see* Gerisch, G. 1-34973
- Ufert, K.D., Michalke, W., Steinbeiss, E., Buhling, D., Bruckner, W., Storbek, I. The metal-insulator transition of VO<sub>2</sub> and the possibilities of its industrial application 1-27834
- Uffelen, C. *van see* van Uffelen, C.
- Ufimtsev, V.B. *see* Emel'yanov, A.V. 1-40472
- Ugolini, E. *see* Bacilieri, P. 1-38441
- Ugolotti, F. *see* Costelli, A.F. 1-38553
- Uher, J.L. *see* Potter, R.C. 1-48332
- Uhlemann, K. *see* Hohne, E. 1-53307
- Uhlemann, K. *see* von Fournier, U. 1-30669
- Uhler, R.G. Utilities must do more communicating 1-43490
- Uhlir, A., Jr. *see* Dibeneditto, J. 1-52421
- Uhlmann, E. Converters on networks with limited short circuit capacity 1-39042
- Uhlmann, W., Seidel, S. The time-dependent protective quality of system elements in switching fields 1-49605
- Uhlmann, W. *see* Birkholz, W. 1-42577
- Uhm, H.S., Davidson, R.C. Free electron laser instability for a relativistic electron beam in a helical wiggler field 1-41037
- Uhm, H.S., Davidson, R.C. Theory of free electron laser instability in a relativistic annular electron beam 1-51320
- Uhm, H.S. *see* Choe, J.Y. 1-45862, 1-50720
- Uihlein, C. *see* Eaves, L. 1-33122
- Uitert, L.G. *Van see* Van Uitert, L.G.
- Uji, T., Iwamoto, K., Lang, R. Nonradiative recombination in InGaAsP/InP light sources causing light emitting diode output saturation and strong laser-threshold-current temperature sensitivity 1-33151
- Ujihira, Y. *see* Inaba, M. 1-30339
- Ujiie, H. *see* Ohtera, I. 1-41374, 1-47017
- Ujita, K., Natsui, K., Ida, Y., Imamura, O. A leakage-current detector for metal-oxide surge arresters 1-53144
- Ukrainets, N.I. *see* Gal, L.K. 1-37318
- Ulbrich, G. The transformer-coupled low-field microstrip circulator with minimum temperature dependence 1-40224
- Ulbrich, W. *see* Betzl, H. 1-50549
- Ulbrich, W. *see* Klar, H. 1-27484, 1-27494, 1-40090
- Ulbricht, J., Beckmann, R., Holm, U. Analyzing powers of <sup>6</sup>Li<sub>pol</sub>(d,α)<sup>4</sup>He at 0.4 and 0.6 MeV with a new polarized <sup>6</sup>Li target 1-43171
- Ulbricht, J. *see* Barker, M.D. 1-43164
- Ulbricht, K.A. Tentative image processing with Seasat SAR image correlated onto Landsat scene 1-30539
- Ullman, D.L. Current limited by transport through the space-charge region of a semiconductor electrode 1-53594
- Ullrich, G. Electrotechnology in cardiac therapy 1-38517
- Ullrich, H. Production technique problems in large scale integration 1-40662
- Ulmer, S. Use of broadcast ports in TDMA satellite networks 1-42210
- Ulrich, C. The determination of brilliancy contour-lines by means of television engineering methods 1-52268
- Ulrich, D. *see* Fox, U. 1-43898
- Ulrich, F. *see* Muller, R. 1-49963
- Ulrich, R. *see* Eickhoff, W. 1-36927, 1-36951
- Ulrich, R. *see* Haegele, K.H. 1-37220
- Ulrich, R. *see* Rashleigh, S.C. 1-36908
- Ulrich, R. *see* Yen, Y. 1-36997, 1-51153
- Ulrich, S. *see* Harris, R.A. 1-47604
- Ulrich, W.E. Electronic mail—introduction and genealogy 1-29383
- Ulrych, B. *see* Mayer, D. 1-36369, 1-39133
- Ultman, J.S. *see* Tai-Jin Kim 1-30442
- Ul'yanov, I.F. The mechanical equipment of the Charvak, Nurek, and Toktogul hydroelectric schemes 1-31083
- Umamaheshwar, V., Basu, T.K., Pillai, S.K. Dynamic braking of induction motor using thyristors 1-35169
- Umanskii, V.E. *see* Bert, N.A. 1-27109
- Umardhodzhaev, R.M. *see* Kotkin, A.L. 1-48211
- Umarov, Kh.G. Riemann's method for some hyperbolic equations with constant operator coefficients 1-50255
- Umbach, D. On inference for a mixture of a Poisson and a degenerate distribution 1-39541
- Umbarger, C.J. *see* Waechter, D.A. 1-34546
- Umebu, I., Robson, P.N. LPE growth of Cd-doped InP 1-39782
- Umebu, I. *see* Yamaguchi, A. 1-45975
- Umeda, T., Nishidono, T. Experiences regarding design, fabrication and operation of hot ducts in 1.5 MWt high temperature helium test loop 1-31706
- Umeda, Y. *see* Fujino, T. 1-51838
- Umeda, Y. *see* Miyake, M. 1-51789
- Umeda, Y. *see* Murakami, K. 1-40006
- Umegaki, S., Inoue, H., Yoshino, T. Optical bistability using a magneto-optic modulator 1-36984
- Umemori, T. DC linear motor and control method 1-35191
- Umemura, T., Yokokawa, K. A simulator for training in the use of 1000 MW once-through-unit thermal-power plants 1-49890
- Umeno, M. *see* Sakai, S. 1-29751
- Umesato, Y. *see* Nagami, K. 1-49610
- Umetzu, T. *see* Ohba, R. 1-38187
- Umezawa, Y. *see* Ibaragi, O. 1-27392
- Umezu, K. *see* Suzuki, R. 1-29186
- Umoto, J. *see* Ando, T. 1-31247
- Umoto, J. *see* Yoshida, M. 1-35401
- Umstadter, D. *see* Peebles, W.A. 1-41117
- Umstatter, H.H. *see* Autin, B. 1-52643
- Un, C.K., Choi, K.Y. Improving LPC analysis of noisy speech by autocorrelation subtraction method 1-41596
- Un, C.K., Cynn, M.H. A performance comparison of ADPCM and ADM coders 1-29114
- Un, C.K. *see* Lee, Y.H. 1-29075
- Un Pah Hwang, Antonetti, V.W., Keller, C.J. Calculating IC junction temperature in a packaged system 1-32850
- Unbehauen, R. On the design of recursive digital low-pass filters with maximally flat pass-band and Chebyshev stop-band attenuation 1-45551
- Unbehauen, R. *see* Doss, M.M. 1-45515
- Underhill, M.J. Simple quiet tuning and matching of antennas 1-52071
- Underhill, P.J., Scott, R.I.H. Simple switching technique for fast PLL frequency synthesizers 1-36123
- Underwood, D. *see* Dawson, J.W. 1-34508
- Underwood, J.H. *see* Carter, E.L. 1-32269, 1-32270
- Underwood, M.J. The present situation regarding vocal data acquisition 1-33584
- Underwood, M.J. Giving the computer a voice 1-41540
- Underwood, M.J. Some systems aspects of using speech recognition 1-41620
- Undrevich, A.Ya. *see* Polikarpov, E.D. 1-40195
- Undrill, P.E. *see* Smith, D.B. 1-52756
- Uzdenas, A., Kadzyauskas, P., Butkus, E., Kaplunova, L. A photosemiconducting polymer for electrophotography 1-37018
- Unfried, A. *see* Karka, K. 1-31540
- Unger, B.A. *see* Bulger, G.A. 1-46274
- Unger, H., Wardenga, W. As to the realisation of bucket chain filters in branch structure 1-32340
- Unger, H. *see* Grosse, G. 1-49106
- Unger, K. Statistical considerations of the influence of doping and alloying of III-V semiconductor materials on their optoelectronic properties 1-50783
- Unger, S.H. Double-edge-triggered flip-flops 1-40037
- Ungerboeck, G. *see* Chevillat, P. 1-32274
- Ungerboeck, G. *see* Chevillat, P.R. 1-29509
- Ungersback, F. *see* Kowatsch, M. 1-39987
- Ungpiyakul, T. *see* Wu, S.M. 1-53223
- Ungr, J. *see* Drazdil, V. 1-31209
- Ungrad, H. Protection of highpowered networks and stations by new protection devices with supervising, automatic testing 1-30799
- Ungrin, J., Brown, J.C., Chidley, B.G., McMichael, G.E., Schriber, S.O. Initial operation of a 100% duty factor 3 MeV Alvarez linac 1-48431
- Ungrin, J. *see* Hepburn, J.D. 1-38351
- Ungureanu, M. *see* Cristescu, D. 1-49129
- Union, D.C. Post-accident radiation monitoring 1-30901
- Unione, A., Burns, E., Husseiny, A. Availability modeling methodology applied to solar power systems 1-31105
- Unishkov, V.A. *see* Afyan, V.V. 1-49345
- Unkel, W. Approximate three-dimensional electric solution for a frame-type MHD generator 1-35403
- Uno, N., Inoue, S. A study of the elongation of copper wires 1-27163
- Uno, N. *see* Inoue, S. 1-27162
- Uno, N. *see* Izumi, T. 1-52949
- Uno, T. *see* Oguchi, T. 1-30023
- Uno, T. *see* Sasaki, K. 1-52417
- Unrau, U. Optical fibres measuring technique 1-51177
- Unrau, U. *see* Agarwal, A.K. 1-36923
- Unsel, H. Experience with the wet cleaning of gas turbines 1-31043
- Unser, K. A toroidal DC beam current transformer with high resolution 1-42963
- Unsworth, F. The 'grouser' earth fault finder 1-34951
- Unterberger, H. Two-dimensional articulation model improves automatic speech recognition 1-41526
- Unwin, R.T. Models and parameter determinations for the transistor base region 1-40566
- Uosaki, K. *see* Bockris, J.O'M. 1-36543
- Uotila, I.K. Field distortion in guarded-wall free-air ionization chambers 1-30334
- Uotila, P. *see* Sintonen, L. 1-33810
- Uozumi, J. *see* Sumiyoshi, M. 1-38318
- Upadhyaya, B.R., Kitamura, M., Kerlin, T.W. Signature monitoring of nuclear power plant dynamics—stochastic modeling and case studies 1-30949
- Upatnieks, J. *see* Duthie, J.F. 1-30053
- Uppal, G.S. *see* Raina, M.K. 1-46868
- Uppal, P.N. *see* Greder, M.C. 1-35377
- Upton, H.W., Goodman, J.R. Eyeglass head-up display [vibrating fiber optic assembly] 1-48826
- Upton, J.W. *see* Crochiere, R.E. 1-37472
- Upton, R.S. Chip carriers for thick film hybrid assemblies 1-27738

- Upton, S.A.J. *see* Dilworth, I.J. 1-46909
- Upton, S.R., Murgatroyd, P.N. Magnetic levitation with thyristor control 1-31557
- Ur, H. A new method for limit cycle evaluation [in nonlinear systems] 1-45232
- Ura, K. *see* Fujioaka, H. 1-45402, 1-50903
- Ura, K. *see* Nakamae, K. 1-40593
- Ura, M. *see* Nakamura, M. 1-28535
- Urabe, S., Asakawa, K., Itoh, M., Gokan, H., Esho, S., Nishikawa, K., Nishihara, T. Low loss 0.9-1.9 GHz SAW filters with submicron finger period electrodes 1-36793
- Urabe, S. *see* Habuka, T. 1-45322
- Urano, Y. *see* Ono, K. 1-41971
- Urasaki, S., Katagi, T., Mizusawa, M. A design method of beam waveguide feeds by lens system analogy 1-47078
- Urata, H. *see* Iwasaki, K. 1-28173
- Urata, S. *see* Sorimachi, Y. 1-38576
- Urbach, W. Conserving resources and improving reliability in industry. The tasks of Siemens' Instrumentation and Control Division 1-29967
- Urbain, J.P. The use of measurements as means of investigation and research 1-29964
- Urbain, J.P., Lalot, J., Gallet, G. Influence of AC test procedure on breakdown of air insulations comparison with switching impulse tests 1-43759
- Urban, L. *see* Declais, Y. 1-30359
- Urban, L. *see* Ziaran, J. 1-43720
- Urbanek, J. The current induced noise of thin metal films 1-52571
- Urbanke, C. Real time representation for power stations 1-53006
- Urcan, E. *see* Cservényi, I. 1-31079
- Urenda, R.S. *see* Carlson, G.A. 1-34641
- Urgell, J.J. *see* Garrigues, M. 1-31581
- Urick, R.J. *see* Franklin, J.E. 1-42344
- Urish, J. *see* Atac, M. 1-34442
- Urisu, T., Sugeta, T., Mizushima, Y., Tsunenari, K. Stabilized injection locking light amplification of a 1.15- $\mu$ m He-Ne laser 1-51351
- Urk, H. Mumford-Van *see* Mumford-Van Urk, H.
- Urk, H.H. *see* Edwards, D.G. 1-27452
- Urman, S.E. *see* Privalov, V.V. 1-53727
- Urmanov, N.A. *see* Dyunaïdov, S.S. 1-50765
- Urette, K.B. *see* Brindle, J. 1-30208
- Urquart, R. Maritime Tel's expanding network 1-51894
- Ursenbach, F., Maurel, J. Development of a wide-band nondirectional 12 GHz antenna 1-29014
- Ursu, E. *see* Pop, M. 1-30980
- Ursu, I., Pavelescu, M. The analysis of some nuclear power integrated systems 1-38856
- Ursu, I., Purica, I., Badescu-Singureanu, A.I., Schachter, L. Physics research with potential application in energetics—the direct conversion of nuclear energy 1-49225
- Ursulyak, N.D. *see* Timofeeva, V.A. 1-39737
- Urunbaev, B.M. *see* Voronkov, V.B. 1-32621
- Urusov, I.D. Stability of periodic solutions in the parametric excitation of vibrations in a multi-mass rotor 1-49418
- Ury, I. *see* Bar-Chaim, N. 1-37153
- Us, Z.P. *see* Kostikov, O.N. 1-31237
- Usami, A., Gintate, S., Kudo, B. Contactless measurement of minority carrier lifetime and surface recombination velocity of a semiconductor wafer 1-32617
- Usami, A. *see* Tokuda, Y. 1-32712, 1-50743
- Usami, K. *see* Nanba, M. 1-50869
- Usami, T. *see* Otsuka, K. 1-45848
- Usategui, J.M. Angulo *see* Angulo Usategui, J.M.
- Uscinski, B.J. *see* Macaskill, C.C. 1-33379
- Ushakov, E.I. Consideration of the effect of frequency changes on the network parameters in calculation of the steady-state conditions and aperiodic stability of electric systems 1-27204
- Ushakov, V.N. On the problem of constructing stable bridges in a differential game of approach and avoidance 1-50119
- Ushakov, Ye.I. *see* Kolosok, G.V. 1-50046
- Ushakumari, M., Garud, A.N., Nadkarni, S.S. True RMS digital current meter 1-48131
- Usher, E.S. *see* Beasley, M. 1-47508
- Usher, E.S. *see* Horsley, A.W. 1-52102
- Usherovich, B.L. *see* Man'kin, I.A. 1-40354
- Ushio, T., Tomimaga, S., Kuwahara, H., Miyamoto, T., Ueda, Y., Sasao, H. SLF interruption by a gas circuit breaker without buffer action 1-49615
- Ushirokawa, A. *see* Ohnishi, K. 1-40475
- Usikov, A.S. *see* Gorenlenok, A.T. 1-28574
- Usin, V.A. Determination of the field statistical characteristics in the antenna aperture from the results of measurements of various statistical effects 1-37365
- Usin, V.A. Random errors of the aperture-probe method of measuring antenna radiation patterns 1-37366
- Uskov, A.V. *see* Aleksanyan, A.G. 1-50848
- Usmani, A.M., Salyer, I.O. New flexibilised diallyl phthalate resins for encapsulating electronic display devices 1-32099
- Usmani, A.M., Salyer, I.O. Research on cap materials for encapsulating electronic display devices 1-35980
- Usmanov, T. *see* Gancev, R.A. 1-41147
- Usmanov, T.A. *see* Voronkov, V.B. 1-32621
- Usov, Yu.P. *see* Bystritskii, V.M. 1-37088
- Usov, Yu.P. *see* Gleizer, I.Z. 1-27758, 1-30223
- Ussat, H. *see* Hutt, H. 1-47489, 1-47490
- Ustinov, N.D. *see* Badikov, V.V. 1-28422, 1-28423
- Ustinov, N.D. *see* Bakut, P.A. 1-33359
- Ustinov, N.N. *see* Auza, V.Ya. 1-49742
- Ustunel, A.S. Stochastic Feynman-Kac formula 1-39494
- Usui, S. *see* Tanaka, H. 1-49815
- Usujima, A., Takeuchi, S., Endo, S., Irie, T. Optical and electrical properties of  $\text{CuInS}_3$  and  $\text{AgInS}_3$  single crystals 1-45961
- Utaka, K., Kobayashi, K., Koyama, F., Abe, Y., Suematsu, Y. Single-wavelength operation of 1.53  $\mu$ m GaInAsP/InP buried heterostructure integrated twin-guide laser with distributed Bragg reflector under direct modulation up to 1 GHz 1-41085
- Utaka, K., Kobayashi, K., Suematsu, Y. Lasing characteristics of 1.5-1.6  $\mu$ m GaInAsP/InP integrated twin-guide lasers with first-order distributed Bragg reflectors 1-37111
- Utaka, K., Kobayashi, K., Suematsu, Y. Rapid modulation characteristics of 1.5-1.6- $\mu$ m GaInAsP/InP distributed-Bragg-reflector integrated twin-guide lasers 1-37171
- Utaka, K. *see* Kobayashi, K. 1-41084
- Utenkov, V.K. *see* Gangskii, Yu.P. 1-30356
- Uthe, E.E. Lidar evaluation of smoke and dust clouds 1-38598
- Utkin, G.M. *see* Grigorash, V.V. 1-45319
- Utkin, M.A. *see* Aleksanyan, A.A. 1-42489
- Utkin-Edin, D.P. *see* Akimchenko, I.P. 1-40427
- Utku, S., El-Essawi, M., Salama, M. On numerical nonlinear analysis of highly flexible spinning cantilevers 1-39715
- Utku, S. *see* Bahei-El-Din, Y. 1-39648
- Utochkin, S.V. Dynamic correction of Gardon type heat-flux gauge measurements 1-38305
- Utsumi, K. *see* Takamizawa, H. 1-45721
- Utsumi, T. GLOSAS project (GLObal Systems Analysis and Simulation) 1-33833
- Utsumi, T. *see* Takeda, S. 1-33650
- Utsunomiya, T., Ohya, K., Suzuki, T., Asahara, S. The analysis of the evoked EEG stimulated by character patterns 1-30454
- Utsunomiya, T. *see* Kasai, K. 1-27190
- Utsuro, M., Okumura, K., Shirahama, S. Installation of VCN guide tubes in KUR graphite thermal column 1-48537
- Utyamishv, I.R. The most important trends in medical diagnosis. Concerning application of holography and optical processing of information 1-34607
- Uvarova, T.P. *see* Borisov, M.F. 1-28649
- Uvarova, T.V. *see* Antipenko, B.M. 1-28694
- Uwabu, T., Goji, T. Large capacity gate turn-off thyristor inverter THYFREC-G300 1-44215
- Uyemura, T. *see* Miyazaki, T. 1-41118
- Uzars, V.Ya. *see* Khramtsov, V.N. 1-28011
- Uzawa, H. Divergencies of market and optimum prices for energy resources 1-34983
- Uzdemir, A.P. Successive decomposition in optimization problems 1-50214
- Uzel, Y. *see* Krause, N. 1-28410
- Uzilevskii, V.A. *see* Bataev, V.M. 1-52242
- Uzunoglu, N.K. Resonance of a dielectric cavity inside a fiber 1-28428
- Uzunoglu, N.K. Scattering from inhomogeneities inside a fiber waveguide 1-28463
- Uzunoglu, N.K. Propagation in cylindrical dielectric waveguides with gyro-electric cores 1-40207
- Uzunoglu, N.K., Kanellopoulos, J.D. Scattering of a plane wave from cylindrical tunnels inside a lossy medium 1-51594
- Uzunoglu, N.K. *see* Fimerelis, C. 1-51622
- v. Helmolt, C., Schlaak, H.F., Kersten, R.T. SAWDIC: surface acoustic wave driven directional coupler 1-36989
- Vaart, H. van de *see* van de Vaart, H.
- Vaart, H. van de *see* van de Vaart, H.
- Vabre, J.-P. Study of an arithmetic-logic unit 1-27436
- Vabson, V. *see* Rammo, I. 1-41099
- Vaccaro, R. *see* Cennamo, F. 1-30189
- Vacek, R. A new theoretical treatment of mode conversion in multimode fibres 1-51180
- Vacher, A.M. *see* Wei-Lou Cao 1-37093
- Vackar, J. Methodological aspects of the development of new manufacturing processes in electrotechnology 1-49996
- Vacque, I. *see* Veric, C. 1-27804
- Vadakan, V.V. *see* Agrawal, A.K. 1-37768
- Vaganov, V.I., Beklemishev, V.V., Goncharova, N.I., Noskin, A.B. Integral silicon pressure transducer with trimming resistors on the crystal 1-30089
- Vaganov, V.I., Nemchinov, V.M., Sluchak, I.I., Erglis, I.K. Use of microprocessors for correction of characteristics of integrated primary transducers 1-48065
- Vaganov, V.I., Noskin, A.B. Investigation of the dependence of integrated strain transducer characteristics on power consumption 1-48064
- Vaganova, M.Yu. *see* Kuzina, I.V. 1-30164
- Vagilo, R. *see* Cucolo, A.M. 1-29961
- Vagin, A.I. *see* Ageyev, A.I. 1-42866
- Vagin, G.Ya., Krakhmalin, I.G. The effect of frequency deviation on choice of parameters of protective chokes and power filters 1-45273
- Vagin, G.Ya. *see* Zhezhelenko, I.V. 1-39241
- Vagin, L.N. Holographic methods of miniaturisation, copying, storage and reproduction of documentary data 1-41149
- Vagin, L.N. Buffer memory for TV pictures transmission using holographic storage 1-42380
- Vagin, N.P. *see* Bashkin, A.S. 1-28661
- Vaglio, R. *see* Pace, S. 1-28361
- Vago, Gy. *see* Glaser, P. 1-39811
- Vaguine, V.A. Electron linear accelerator structures and design for radiation therapy machines 1-38343
- Vagvolgyi, J., Szabo, P.P. Application fields of the TLD-04B thermoluminescent dosimeter equipment 1-38535
- Vahsholz, S., Hentschel, L. Controlling of power thyristors for switching of transformers 1-31280
- Vaidya, A. *see* Park, J.G. 1-28342
- Vaidya, S. Pit formations at Al/(100)Si contact windows 1-36523
- Vaidyalanganathan, A., Venkatasubbu, L. EHV insulator fittings: importance of process parameters 1-53119
- Vaidyan, V.K. *see* Bhavani, K. 1-42653
- Vaidyanathan, K.V., Anderson, C.L., Dunlap, H.L., Holmes, D.E. Electrical properties and atomic distribution studies in ion implanted InP 1-40408
- Vaidyanathan, P.P. *see* Mitra, S.K. 1-45519
- Vaidyanathan, T.S. *see* Taussig, R.T. 1-30942
- Vaimugin, A.A. *see* Panfilov, G.G. 1-38876
- Vainas, B., Hodes, G., Manassen, J., Cahen, D. Activation analysis of forward-biased CdS-electrolyte diode 1-36541
- Vainberg, E.I., Goncharov, V.I., Kazak, I.A., Kurozaev, V.P. Sensitivity of computerised X-ray tomography in inspection of industrial products with local flaws 1-45148
- Vainberg, E.I., Kazak, I.A., Kurozaev, V.P. Accuracy of the reproduction of the spatial structure of the inspected object in computerized X-ray tomography 1-45147
- Vaintraub, L.D. *see* Gerasimov, V.P. 1-38788
- Vaisband, V.B., Shanin, V.N. A stationary inshore wave-measuring system 1-43447
- Vaitkus, Yu. *see* Baltrameyenas, R. 1-32650
- Vajda, Z. Thin film magnetic heads 1-32971
- Vajk, I. *see* Kovacs, K. 1-43587
- Vajta, M., Jr. *see* Kovacs, K. 1-43587
- Vakarov, B.S. *see* Starostin, I.A. 1-37011
- Vakman, D.Ye. *see* Vaynshteyn, L.A. 1-32554
- Val, M., Dubuisson, B., Brunet, M. Pattern recognition techniques in sodium cooled fast breeder reactor's acoustic signal analysis 1-30946
- Val, N., Dubuisson, B. Pattern recognition analysis of the external electromyogram for parturient labour monitoring 1-30464
- Valadez, V. *see* Romano, R. 1-38685, 1-43515
- Valais, M. *see* Babusiaux, D. 1-32005
- Valasek, J. Long-distance heat transmission 1-43337
- Valassiadis, O., Polychroniadis, E.K., Stoenos, J., Economou, N.A. On the disordered nature of single crystalline  $\text{TiBiTe}_2$  and its influence on its electrical properties 1-45963
- Valat, P., Ripoché, G., Nail, M., Gex, J.P. Description and application of an intense and short diagnostic source between 1000 and 1600 nm 1-28777
- Valdats, G.A., Klotyn'sh, E.E. Distribution of current in circular samples with segment-shaped contacts 1-27850
- Valdes, J.G. *see* Prime, J.B., Jr. 1-49116
- Valdes, O. *see* Stahl, H.J. 1-51765
- Valdes, S.F. *see* Janssens, T.J. 1-42549
- Valdner, O.A., Ivanov, S.V., Masunov, E.S. The effect of transient beam loading on operation of travelling wave cavity accelerating system in high-energy cyclic accelerators 1-48492
- Valdner, O.A., Kotin, V.V. Limitations of bunch lifetime in a proton synchrotron under the influence of random RF voltage fluctuations 1-48498
- Vale, C.R. SAW quadrature code generator 1-36743
- Valedinskii, V.D. Numerical solution of the elastic problem of contact between a compressible and an incompressible medium 1-32027
- Valencia, F.A. *see* Maley, M.P. 1-28279
- Valente, V. *see* Jonker, M. 1-43256
- Valenti, G. *see* Basile, M. 1-43250, 1-43251
- Valentin, Gh. *see* Popescu, C. 1-53598

- Valentin, J.R.**, Lewis, M.A., Knudtson, J.T. The spatial growth rate of stimulated Raman scattering: a new technique for measuring picosecond laser pulse intensities 1-33285
- Valentin, M.** *see* Jalade, J. 1-49565
- Valentin, M.** *see* Marpinard, J.C. 1-53563
- Valentin, R.** Probability distribution of rain-induced cross-polarization 1-33338
- Valentine, K.H.** *see* De Lorenzo, J.T. 1-38881
- Valentini, H.-B.** The influence of the radial ion drift on the population densities in CW argon ion lasers 1-28639
- Valentino, A.R.**, Abromavage, M.M. Environmental effects of the Satellite Power System Microwave Power Transmission System 1-31133
- Valentino, A.R.** *see* Yih Shiau 1-34556
- Valentino, G.** Automatic tester for mobile service transceivers 1-47897
- Valentino, G.J.**, Kocker, J.A. Preliminary survivability assessment of an IFFC configured aircraft against ground targets 1-52858
- Valentino, G.J.**, Poturalski, R.J. The man portable SAM simulator: facility overview and application to air defense engagement analysis 1-52853
- Valette, S.** *see* Mottier, P. 1-36961
- Valgora, M.E.** *see* Mildice, J.W. 1-31120
- Valier, G.** *see* Ferguson, P.E. 1-45861
- Valiev, U.V.**, Krinchik, G.S., Levitin, R.Z., Mukimov, K.M. Variation of transmittance of holmium iron garnet at a 1.15- $\mu$ m wavelength in strong magnetic fields 1-28237
- Valiquet, B.A.** The patent system and trade secret protection—valuable assistance to the design engineer and protection for state of the art innovation 1-31798
- Valkenburg, M.E.** Van *see* Van Valkenburg, M.E.
- Val'ko, V.V.** *see* Belkov, P.V. 1-37081
- Valle, J.** From analogue to digital television 1-52241
- Valle, J.L.** Del *see* Del Valle, J.L.
- Valiere, D.J.** *see* Hutemann, R.D. 1-46291
- Valley, G.C.** Phase variations due to dispersion in inhomogeneously broadened lasers 1-41049
- Valliant, W.W.** The evolution of the high-density 1/4 inch cartridge tape drive 1-40806
- Vallier, J.C.** *see* Marty, J. 1-51100
- Vallier, L.** *see* Felch, K.L. 1-51301
- Vallmitjana, S.** *see* Moneo, J.R. de F. 1-37641
- Vallotton, R.** Synchronous data transmission over the digital trunk network: general aspects 1-37786
- Valouch, V.** Mathematical model of a controlled drive with a self-controlled synchronous machine and the simulation of quasistationary states 1-49719
- Valouch, V.** How to simplify block diagrams of inverter drives when designing their regulating systems 1-53699
- Valsamakis, E.A.** *see* Faris, S.M. 1-36847
- Valter, G.P.** *see* Looijesteijn, C.J. 1-31137
- Valuzhene, N.P.** *see* Yanushkevichus, Z.I. 1-48702
- Valuzhis, K.-A.K.** *see* Yanushkevichus, Z.I. 1-48702
- Valverde, N.** Analogue storage cells based on a coulometer with solid electrolyte and stoichiometric variation of the storage phase. I. Cells with symmetric electrodes 1-44318
- Valverde, N.** Analogue storage cells based on a coulometer with solid electrolyte and stoichiometric variation of the storage phase. II. Cells with small temperature variation and low overvoltage 1-44319
- Valvo, V.** *see* Feldman, C.L. 1-52790
- Valyi, G.** *see* Lohner, T. 1-50888
- Vampouille, M.**, Marty, J. Controlled phase modulation in single-mode optical fibres 1-51182
- Van, D.L.** Problems of words and conjugacy for a class of groups of finite presentation 1-50067
- van Amerongen, G.**, Guymard, D., Herlem, M., Heindl, R., Sculfort, J.-L. Photoelectrochemical behavior of the junction:  $\text{Cu}_2\text{O}$ /liquid ammoniate of sodium iodide ( $\text{NaI} \cdot 3\text{NH}_3$ ) 1-44317
- van Amerongen, J.**, Honderd, G. Power frequency control in a system of coupled generating units—conventional versus adaptive approach 1-30654
- Van Arragon, G.W.** *see* Mars, N.J.I. 1-41677
- van Atekum, T.M.** *see* Bates, C.W., Jr. 1-27749
- van Beijnen, C.A.M.** *see* Elen, J.D. 1-32991
- van Beijnen, G.A.M.** *see* Elen, J.D. 1-41196
- van Biessen, L.**, Renneboog, J., Barel, A., Kirschvink, M. A digital processing sampling oscilloscope and its use in time domain reflectometry [power-cable fault location] 1-49198
- van Binst, P.** Evolution of the Brussels on-line system since 1970 1-38442
- Van Bladel, J.** Dielectric resonator in a waveguide below cutoff 1-27599
- Van Bladel, J.** Induction at a corner in perfect iron 1-41188
- Van Bladel, J.** Radar echoes near a dielectric resonance 1-52124
- Van Bladel, J.**, De Zutter, D. Reflections from linearly vibrating objects: plane mirror at normal incidence 1-47701
- Van Blaricum, M.L.** *see* Auton, J.R. 1-52136
- van Brunt, R.J.**, Misakian, M. Comparison of DC and 60 Hz AC positive and negative partial discharge inceptions in  $\text{SF}_6$  1-36713
- van Bueren, J.** *see* Sharples, K.O. 1-53490
- Van Buren, A.L.** *see* Luker, L.D. 1-52966
- Van Campenhout, J.M.**, Cover, T.M. Maximum entropy and conditional probability 1-51814
- van Capelle, F.J.L.** *see* de Bakker, J.M.T. 1-48722
- Van Cong, H.** Heavy doping effects in bipolar silicon transistors and p-n junction silicon solar cells 1-46057
- Van Cong, H.** Tunnel diode reverse characteristics at different temperatures 1-46103
- van Cong Huynh** *see* Huynh van Cong
- van Cooten, P.**, Steeman, J.W.M., de Leeuw den Bouter, J.A. Computer simulation of coal gasification and combined-cycle electric power generation 1-43911
- van Cutsem, T.**, Horward, J.L., Ribbens-Pavella, M. A two-level static state estimator for electric power systems 1-49044
- Van Daele, J.** *see* De Roo, J. 1-37645
- van Dam, R.A.A.F.** *see* Brekelmans, F.E.M. 1-52794
- van Damme, E.E.C.** Cooperative games with countably many players 1-44768
- Van de Capelle, A.** *see* Pues, H. 1-41392, 1-47041
- Van de Capelle, A.R.** *see* Pues, H.F. 1-41375
- van de Grijp, A.**, Koopman, J.C., Meuleman, L.J., Nicia, A.J.A., Roza, E., van Heuven, J.H.C. Novel electro-optical feedback technique for noise and distortion reduction in high-quality analogue optical transmission video signals 1-42230
- Van De Kerkhof, F.A.M.** Microcomputers for TV control and tuning [TV receivers] 1-34048
- Van de Klundert, L.J.M.**, Ten Kate, H.H.J. Fully superconducting rectifiers and fluxpumps. I. Realized methods for pumping flux 1-38995
- van de Klundert, L.J.M.**, ten Kate, H.H.J. On fully superconducting rectifiers and flux pumps. A review. II. Commutation modes, characteristics and switches 1-44183
- van de Klundert, L.J.M.** *see* ten Kate, H.H.J. 1-44184
- van de Sande, J.H.A.W.**, Herben, M.H.A.J., Maanders, E.J. Designing Schwarzschild antenna systems 1-41362
- Van de Vaart, H.** *see* Nelson, A.R. 1-30073, 1-38188
- Van de Velde, J.C.** *see* Mamouni, A. 1-48679
- van de Ven, E.P.G.T.** Plasma deposition of silicon dioxide and silicon nitride films 1-46077
- van de Wijgert, W.M.** *see* de Kock, A.J.R. 1-40381
- Van Degrift, C.T.**, Love, D.P. Modeling of tunnel diode oscillators 1-36138
- Van den Berg, J.W.** *see* Sederholm, C.H. 1-33852
- Van den Bergh, H.** *see* De Roo, J. 1-37645
- van den Bogaart, F.** *see* Scharten, T. 1-41390
- Van Den Brekel, C.H.J.**, Bollen, L.J.M. Low pressure deposition of polycrystalline silicon from silane 1-39816
- van den Brekel, C.H.J.** *see* Bollen, L.J.M. 1-27126
- Van den Broek, H.J.G.** Special 100 MHz oscilloscopes 1-52493
- Van den Dries, L.**, Van Haesendonck, C., Bruynse-raede, Y., Gilabert, A. Fabrication and properties of very thin proximity Josephson junctions 1-28328
- van den Hamer, P.** *see* de Waal, V.J. 1-28344
- van den Heuvel, W.M.E.** Current chopping in  $\text{SF}_6$  1-39092
- van den Hoek, R.**, den Ouden, W. Investigation of a three phase traction motor 1-39899
- Van Den Honert, C.**, Mortimer, J.T. A technique for collision block of peripheral nerve: single stimulus analysis 1-34631
- Van Den Honert, C.**, Mortimer, J.T. A technique for collision block of peripheral nerve: frequency dependence 1-34632
- van den Steen, L.** Time-averaging circuit with continuous response 1-36040
- Van den Steen, L.**, Vanwersch, R.A.P. Improved capacitive transducer for animal movements 1-42606
- van der Aa, J.** *see* Debontridder, J. 1-53386
- van der Burg, L.D.B.** *see* Blecker, J. 1-52513
- van der Heijden, R.W.**, Stoelinga, J.H.M., Swartjes, H.M., Wyder, P. Photon assisted tunneling in superconductor-normal metal point contacts at far-infrared frequencies 1-46479
- van der Hey, R.M.** *see* Kuindersma, P.I. 1-38286
- van der Hoek, G.**, Stern, V. Restart procedures for the method of conjugate gradients 1-44965
- van der Hoeven, B.J.** Thin film and package processing aspects of Josephson LSI 1-46475
- van der Hoeven, G.** Digital storage oscilloscopes. II 1-30183
- van der Kooij, B.J.G.** High time for a micro-electronic centre 1-32853
- van der Kraats, J.** *see* van Norren, D. 1-43319
- van der Krol, W.**, Wieggers, W. Many advantages in new AC stabilization concept 1-39888
- van der Lubbe, J.C.A.**, Boxma, Y. Schurconvexity and measures of certainty and information 1-37394
- van der Meer, S.** Stochastic cooling in the CERN antiproton accumulator 1-42885
- van der Meer, S.** *see* Austin, B. 1-42891
- Van der Merwe, D.G.** Die ontwerp en vervaardiging van dryingstransistors (Design and manufacture of power transistors) 1-40565
- Van der Meulen, E.C.** *see* Willems, F.M.J. 1-33424
- Van der Molen, T.** Inorganic fluxes: considerations for selection and effective use 1-31878
- van der Plicht, J.** *see* Vermeulen, J.C. 1-30338
- van der Poorten, A.J.** *see* France, M.M. 1-50081
- van der Schueren, A.** *see* Blechschmidt, D. 1-42936
- van der Sel, C.G.** Large scale integrated electronic controls for dynamic mechanisms in office machines [step motor drive] 1-31518
- van der Shueren, P.** *see* Baribaud, G. 1-42939
- van der Touw, W.G.** Present development status of national standardization, test and quality control systems for electronics in Korea, Taiwan, Singapore and India 1-44738
- van der Tweel, I.** *see* Herbschleb, J.N. 1-48737
- Van Der Wal, D.J.** Interference suppression for FM radios 1-28932
- van der Weg, W.F.**, van Tol, M.W. Saturation effects of cathodoluminescence in rare-earth activated epitaxial  $\text{Y}_3\text{Al}_5\text{O}_{12}$  layers 1-37023
- Van Der Wiel, J.M.** *see* Van Kervel, S.J.H. 1-30571
- Van Der Ziel, A.** Equipartition laws of thermal noise [in lumped networks] 1-50387
- van der Ziel, A.**, Zijlstra, R.J.J., Park, H.S. Discrimination between one/f noise models in junctions field effect transistors and metal-oxide-semiconductor field effect transistors. Numerical results 1-50946
- van der Ziel, A.** *see* Kim, S.K. 1-36637, 1-36638
- van der Ziel, A.** *see* Park, H.S. 1-28024
- Van der Ziel, A.** *see* Suh, C.H. 1-40614
- van der Ziel, J.P.** Active mode locking of double heterostructure lasers in an external cavity 1-51463
- van der Ziel, J.P.**, Tsang, W.T., Logan, R.A., Augustyniak, W.M. Pulsating output of separate confinement buried optical guide lasers due to the deliberate introduction of saturable loss 1-51443
- Van Deventer, R.** Treated kraft paper wrap helps eliminate tarnish and corrosion of silver and other metal components 1-45794
- Van Dong Nguyen** *see* Nguyen Van Dong
- Van Dooren, P.** *see* Delosme, J.-M. 1-32023
- Van Dooren, P.M.**, Dewilde, P. Minimal cascade factorization of real and complex rational transfer matrices 1-32125
- Van Doven, H.** *see* Verhoeven, J.A.T. 1-36423
- van Driel, H.M.** *see* Vermeulen, L.A. 1-46626
- van Driel, J.** *see* Vermeulen, J.C. 1-30338
- van Driel, O.P.** Factor analysis as an initial tool to obtain models for circuit analysis 1-39856
- Van Duzer, T.** *see* Jewett, R.E. 1-28322
- van Dyck, C.** *see* Weverbergh, M. 1-38853
- van Dyck, O.B.** *see* Hagermann, D.C. 1-48347
- van Dyck, O.B.** *see* Jason, A.J. 1-43050
- Van Dyk, G.** *see* Rogers, D.W.O. 1-34601
- Van Dyke, M.S.** *see* Ringle, T.W. 1-30007, 1-30008, 1-47939
- Van Eck, R.** *see* Kalman, G. 1-49770
- Van Eck, T.** Quantitative determination of periodicities from short time series 1-29165
- Van Enk, F.**, Baird, R. Digital signalling in mobile radio systems 1-47548
- Van Erk, W.**, Kuiken, H.K. Solutal convection in garnet liquid-phase epitaxy using vertical dipping 1-27122
- van Essen, A.A.** Wind energy in the Netherlands: planning aspects 1-49379
- Van Essen, H.A.**, Teuling, D.J.A. A one-chip formant-based speech synthesizer 1-47150
- van Esveld, H.** *see* Severin, P.J. 1-36856
- van Etten, W.C.** Theory of nonlinear discrete-time systems and its application to the equalization of nonlinear digital communication channels 1-33711
- van Etten, W.C.**, Lammers, T.M. Transmission of FM-modulated audiosignals in the 87.5-108 MHz broadcast band over a fiber optic system 1-29852
- van Gelder, A.L.A.** Realisation of the design [hospital electrical installations] 1-26867
- van Gelder, I.A.**, Declercq, G.J., Copeland, M.A. Programmable transversal filter 1-50529
- van Gerwen, P.J.** *see* Vry, M.G. 1-42142
- van Geylswijk, C.A.** *see* Blecker, J. 1-52513
- van Gils, J.A.** Resistance measurement in AC windings without interruption of the main current path 1-49417
- Van Goethem, D.** *see* Wambaco, J. 1-53716
- Van Gool, W.** *see* Phung, D.L. 1-53164
- Van Grieken, R.** *see* Gijbels, R. 1-34709
- van Gucht, A.** *see* Jaumotte, A. 1-49300
- Van Haeringen, W.** *see* Tumaikin, A. 1-51363
- Van Haesendonck, C.** *see* Van den Dries, L. 1-28328

- Van Harlingen, D.J. *see* Clark, T.D. 1-40867  
 Van Harlingen, D.J. *see* Koch, R.H. 1-28313  
 van Heuven, J.H.C. *see* van de Grijp, A. 1-42230  
 van Hoek, G.A.L., van Nielen, N.S. Large-scale integration of wind energy in the power supply in the Netherlands 1-49383  
 van Holten, T. Concentrator systems for wind energy, with emphasis on tipvanes 1-49371  
 van Hoof, L.A.H., Albers, W. Anisotype multiheterojunction eutectic composites: the CdTe-GaTe system 1-50815  
 Van Hoorn, M.H. *see* Tijms, H.C. 1-26982  
 van Horne, P.R., Garver, L.L., Miscally, A.E. Transmission plans impacted by generation siting a new study method 1-34805  
 Van Horne, P.R., Garver, L.L., Miscally, A.E. Transmission plans impacted by generation siting a new study method 1-43613  
 van Houtte, D. *see* Aubert, J. 1-38397  
 van Houwelingen, J.C., Schipper, R.M. The efficiency of a test based on the asymptotic distribution of the MLE for a linear functional relationship 1-50163  
 Van Hulse, J.R. *see* Sironi, G.G. 1-53349  
 van Hulst, K. Engineering and cryogenic aspects of the Nijmegen 25 Tesla hybrid magnet 1-51129  
 van Hulsteyn, D.B. *see* Ping Lee 1-28825  
 van Ijzendoorn, P.R. *see* Hasker, J. 1-35497  
 van Keilegom, R. A practical selection-guide for flow measurements in pipes 1-42770  
 Van Kervel, S.J.H., Van Der Wiel, J.M., Thijsen, J.M. A device for the display and adjustment of the nonlinear gain curve of ultrasonic A-mode equipment 1-30571  
 Van Klinken, J. *see* Janssens, R.V.F. 1-52736  
 van Lancker, L. *see* Carlson, P.J. 1-43245  
 Van Leeuwen, A. Space Shuttle application of a GPS navigation system 1-29819  
 Van Leeuwen, K.A.H. *see* Eliel, E.R. 1-28668  
 van Lingén, A., Talmon, J.L., Hasman, A. P-wave detection in routine ECG-processing 1-52788  
 van Lint, J.H., Schrijver, A. Construction of strongly regular graphs, two-weight codes and partial geometries by finite fields 1-39573  
 van Lit, P.H.J. The development and construction of a three core 10 kV cable with sector shaped solid aluminium conductors. Thermotect insulation, an extruded semi conducting filler, a concentric copper earth screen and a PVC sheath 1-43691  
 van Loon, J.C.F. *see* Starr, B.G. 1-31385  
 Van Meerbergen, J. *see* Del Alamo, J. 1-49695  
 Van Meirhaeghe, R.L., Lafiere, W.H., Yu-Min Li, Cardon, F. Investigation of interface states in MIS-type Al-, Au- and Sn-GaAs Schottky barriers with a thin interfacial oxide layer 1-45996  
 Van Ness, J.E. *see* Brasch, F.M., Jr. 1-53028  
 van Nielen, N.S. *see* van Hoek, G.A.L. 1-49383  
 van Norren, D., van der Kraats, J. A continuously recording retinal densitometer 1-43319  
 van Nunen, J., Wessels, J. Solving linear systems by methods based on a probabilistic interpretation 1-27072  
 van Oers, T. *see* Buitenhuis, G.H. 1-39330  
 van Oosterhoudt, P. *see* Nielsen, J.G. 1-49895  
 van Oostvoorn, F., Boonekamp, P.G.M., Koenders, N.J. A LP model of the Dutch energy sector 1-26851  
 Van Otterloo, J.D. Schottky barriers on clean-cleaved silicon 1-32702  
 Van Overstraeten, R.J. Advances in silicon solar cell processing 1-53672  
 van Paassen, C.A.A. Innovations in venturi-shaped steam coolers 1-43913  
 van Pachterbeke, Y. *see* Coumans, X. 1-49325  
 Van Pelt, R.W. Microprocessor controlled tape motion 1-40805  
 Van Peppen, J.C.L. *see* Klaassen, K.B. 1-30108  
 Van Rees, B., Wood, C., Eastman, L. Current-controlled LPE growth and doping modulation of InP 1-50303  
 Van Rhee, L.A. *see* Klop, P. 1-52727  
 van Rossen, L.M. *see* van Turnhout, J. 1-41195  
 Van Run, A.M.J.G. A critical pulling rate for remelt suppression in silicon crystal growth 1-35938  
 van Ruyven, L.J. A semiconductor laser for optical disc systems 1-41174  
 Van Ryzin, J. *see* Min-Chiang Wang 1-35758  
 Van Scherrenburg, M. *see* Ratz, H.C. 1-35593  
 Van Schingen, M., Brussaard, G., Laloux, A. Attenuation and crosspolarization at satellite-earth paths observed with OTS beacons 1-46908  
 Van Schooneveld, C., Frijling, D.J. Spectral analysis: on the usefulness of linear tapering for leakage suppression 1-29164  
 Van Sciver, S.W. Enthalpy stability criterion for magnets cooled with superfluid helium II 1-28385  
 Van Silfhout, A. *see* Bootsma, G.A. 1-46028  
 van Someren Greve, H.W. *see* Bos, A. 1-42365  
 Van Son Nguyen, Kershaw, R., Dwight, K., Wold, A. Preparation and photoelectronic properties of the system  $\text{Cd}_x\text{Ge}_{1-x}\text{Si}_4\text{O}_4$  1-33105  
 van Spronsen, C.J., Rempelman, O. Personal computers in cardiology 1-30470  
 van Staa, R. *see* Burkhardt, H. 1-43210  
 van Steenberg, A. Design and project status of the National Synchrotron Light Source: storage rings (2.5 GeV, 0.7 GeV) for the generation of bright synchrotron radiation sources 1-48570  
 van Steenberg, A. *see* Blewett, J.P. 1-51299  
 van Steenberg, A. *see* Hsieh, H. 1-43116  
 van Strien, J.J.A. Microcomputer for use as a tuning aid 1-29935  
 van Thoi Nguyen *see* Nguyen van Thoi  
 Van Tich, L. 0.4 kV fuse-free auxiliary power supply in nuclear power stations 1-43781  
 van Tilborg, A.M., Wittie, L.D. Wave scheduling: distributed allocation of task forces in network computers 1-37765  
 Van Tilborg, H.C.A. The smallest length of binary 7-dimensional linear codes with prescribed minimum distance 1-29080  
 van Tilborg, H.C.A. New results concerning the Griesmer bound 1-33532  
 van Tol, M.W. *see* Robertson, J.M. 1-33131, 1-33132  
 van Tol, M.W. *see* van der Weg, W.F. 1-37023  
 Van Tol, R.E.J. *see* Metselaar, R. 1-50794  
 van Tongeren, H. Modulation transfer functions of TV camera tubes 1-32575  
 van Turnhout, J., Hoeneveld, W.J., Adamse, J.-W.C., van Rossen, L.M. Electret filters for high-efficiency and high-flow air cleaning 1-41195  
 Van Tuyle, G.J. *see* Lee, J.C. 1-53195  
 van Uffelen, C. Applications of explosion proof process control instruments 1-35617  
 Van Uitert, L.G. *see* Stocker, H.J. 1-38248  
 van Valkenburg, M.E. Trends in engineering education 1-39305  
 Van Vechten, J.A., Bentini, G.G., De Salvo, A., Cohen, C., Drigo, A.V. Laser annealing Si covered with a metal film: test for growth from the melt [comments and reply] 1-45909  
 van Veldhuizen, M. D-stability 1-32036  
 van Vliet, K.M. *see* Gong, J. 1-28582  
 Van Vliet, P. *see* Schaub, S.R. 1-48238  
 Van Vliet, R.G. *see* Bracke, L.P.M. 1-52446  
 van Wees, A.C.A. *see* Elen, J.D. 1-32991  
 Van Zanten, A.T. *see* Lohstroh, J. 1-45988, 1-45989  
 Vana, N. *see* Boeck, H. 1-46518  
 Vanag, J.A. *see* Krasnobajev, N.I. 1-53750  
 Vance, L.C. *see* Gibbons, D.I. 1-35678  
 Vance, R.D. Who needs magnetic shielding? You do if magnetic interference prevents your product from functioning optimally 1-28938  
 vanCleemput, W. *see* Blank, T. 1-46268  
 vanCleemput, W.M. *see* Dutton, R.W. 1-50991  
 vanCleemput, W.M. *see* Uehara, T. 1-32266  
 Vandamme, L.K.J. *see* Hooge, F.N. 1-46089  
 Vandamme, L.K.J. *see* Kleinpenning, T.G.M. 1-40594  
 Vandellannoote, R. *see* Gijbels, R. 1-34709  
 Vandenberg, P. *see* Varon, J. 1-28598  
 Vandembulcke, P. *see* Mabaya, N. 1-40899  
 Vandekerckhove, J.A. Reflections on the economics of the European space programme 1-30496  
 Vandenput, A. *see* Debontridder, J. 1-53386, 1-53456  
 Vandenput, A. *see* Geysen, W. 1-53406  
 Vandenput, A. *see* Walcarus, H. 1-49472  
 Vander Lugt, A. Interferometric spectrum analyzer 1-52416  
 Vander Star, J.A., Kharadi, M.M. Measurements of copolar attenuation through the bright band at 4 and 7 GHz 1-28892  
 Vander Vorst, A. *see* Jespers, S. 1-46905  
 Vanderbeck, M. *see* Wilson, M.J. 1-44284  
 Vanderkooy, J. *see* Lipshitz, S.P. 1-46417  
 Vanderschueren, J., Ladang, M., Gasiot, J. Thermally stimulated polarization and temperature dependence of equilibrium polarization in polymers 1-32100  
 Vandervorst, W.B., Maes, H.E. Spreading resistance correction formula more suited for the Gauss-Laguerre quadrature 1-45894  
 VanDevender, J.P., Crow, J.T., Epstein, B.G., McDaniel, D.H., Mendel, C.W., Jr., Neau, E.L., Poukey, J.W., Quintenz, J.P., Seidel, D.B., Stinnett, R.W. Self-magnetically insulated electron flow in vacuum transmission lines 1-33376  
 VanDevender, J.P., Quintenz, J.P., Leeper, R.J., Johnson, D.J., Crow, J.T. Self-magnetically insulated ion diode 1-30308  
 VanDevender, J.P., Stinnett, R.W., Anderson, R.J. Negative ion losses in magnetically insulated vacuum gaps 1-32524  
 VanDevender, J.P. *see* Martin, T.H. 1-48297  
 Vandewalle, J. *see* Rabaej, J. 1-45245  
 Vandeweghe, J. *see* De Greef, D. 1-52305  
 Vanecek, D. *see* Chupp, W. 1-48405  
 Vanev, B.N. *see* Kholmiskii, D.V. 1-30603  
 VanGinneken, A. *see* Kidd, J. 1-43067  
 Vanhoenacker, D. *see* Jespers, S. 1-46905  
 Vanier, P.E., Delahoy, A.E., Griffith, R.W. Study of gap states in a-Si:H alloys by measurements of photoconductivity and spectral response of MIS solar cells 1-45943  
 Vaninetti, G.E. *see* Busch, C.F. 1-43883  
 Vanke, V.A., Zaytsev, A.A., Lopukhin, V.M., Moshkov, A.V., Savvin, V.L. Numerical analysis of a transverse-field TWT 1-32562  
 Vanner, K.C., Cockrill, J.R., Butlin, R.S. GaAs monolithic devices: the role of plasma and ion beam techniques in circuit fabrication 1-51028  
 Vanneste, C., Gilabert, A., Sibillot, P., Ostrowsky, D.B. Dynamic behavior of optically induced superconducting weak links 1-40852  
 Vanni, M. *see* Federici, L. 1-43268  
 Vanni, R. *see* Bini, M. 1-34643  
 Vannier, M.E. *see* Miller, T.R. 1-48685  
 Vannier, M.W. *see* Othmer, E. 1-30465  
 Vannucci, G. *see* Acampora, A.S. 1-29247  
 Vanslova, G.A. *see* Tatur, T.A. 1-28951  
 Vanstone, G. *see* Rolfe, D. 1-35627  
 Vanstone, S.A. *see* Mullin, R.C. 1-27022  
 Vanstrum, M.D. *see* Starks, S.A. 1-33696  
 Vanstrum, M.D. *see* Tatum, M.C. 1-42319  
 Vant, M.R., Haslam, G.E., Thorp, W.E. The CRC SAR digital processor [radar imaging] 1-29804  
 VanT Dack, L. *see* Gijbels, R. 1-34709  
 VanUitert, L.G. *see* Singh, S. 1-27940  
 Vanwersch, R.A.P. *see* Van den Steen, L. 1-42606  
 Varaiya, P. *see* Arapostathis, A. 1-30696, 1-53031  
 Varaiya, P. *see* Arapostathis, A. 1-49052  
 Varaiya, P. *see* Arapostathis, A. 1-30695  
 Varaiya, P. *see* Sastry, S. 1-30610, 1-45229  
 Varakin, L.E., Sal'nikov, Yu.K. Optimization of communication systems which use noise-like signals and error correcting codes 1-41513  
 Varanasi, P., Dutta Roy, S.C. Design of maximally flat sharp cutoff low-pass filters 1-27480  
 Varanasi, P., Roy, S.C.D. Design of maximally flat lowpass filters with finite transmission zeros at two frequencies 1-36235  
 Varanini, M. *see* Marchesi, C. 1-48677  
 Vardeman, S., Ashok Singh Empirical restricted Bayes estimation in a multivariate discrete exponential family 1-35772  
 Vardeny, Z., Tauc, J. Hot-carrier thermalization in amorphous silicon 1-33106  
 Vardi, Y. Absence of operators: a statistical study with managerial applications 1-41890  
 Varfolomeev, A.M. *see* Marigodov, V.K. 1-36247  
 Varfolomeev, Yu.M. *see* Shul'ts, L.A. 1-49280  
 Varga, A., Ecsedi-Toth, P., Moricz, F. A heuristic method for speeding up manual optimization of Boolean functions 1-44939  
 Varga, H.P. *see* Szenté, S. 1-44939  
 Varga, I.K. Voltage generation through flow of liquid in dielectric tubes 1-48183  
 Varga, P., Zachar, C., Kiss, G., Kompanets, I.N., Popov, Yu.M., Semochkin, P.N., Sobolev, A.G. Recording of binary signals in an external holographic memory with the aid of a controlled one-dimensional transparency mac of PLZT ceramic 1-51863  
 Vargas, A.A. *see* Nagarajan, A. 1-40553  
 Vargas, J.F. *see* Figuera De 1-40553  
 Varghese, K.C. *see* Sarram, M.A. 1-52359  
 Varghese, T. *see* Rekten, S. 1-28618, 1-51325  
 Varichenko, L.V., Lapshinov, O.N. Unit cell for a parallel multivalued I<sup>2</sup>L multiplier 1-32875  
 Varisco, G. *see* Acerbi, E. 1-42896  
 Varker, C. *see* Wilson, S. 1-36554  
 Varlow, B.R. *see* Cooper, R. 1-28187  
 Varma, S.K. *see* Moharir, P.S. 1-39725  
 Varnavskii, O.P., Leontovich, A.M., Parfianovich, I.A., Khulugurov, V.M., Shevchenko, V.P. Generation of ultrashort light pulses on stabilized F<sub>2</sub><sup>+</sup> color centers in a LiF crystal under synchronized pumping by a ruby laser 1-41077  
 Varner, L.W. *see* Eger, T.E. 1-41560  
 Varner, R.L. *see* Clegg, T.B. 1-43153  
 Varon, J., Mahieu, M., Vandenberg, P., Boissy, M.-C., Lebaillly, J. High brightness GaAlAs heterojunction red LEDs 1-28598  
 Varon, J. *see* Hallais, J. 1-50779  
 Varpela, P. *see* Ahokas, K. 1-39467  
 Varrot, M. *see* Rubel, P. 1-48719  
 Varshney, P.K. Combined quantization-detection of uncertain signals 1-37485  
 Varshney, P.K. *see* de Faria, J.M., Jr. 1-33473  
 Varshney, P.K. *see* Sriram, K. 1-33899  
 Varshney, S.K. *see* Jain, Y.K. 1-27871  
 Vartak, M.N. *see* Narayanan, H. 1-39603  
 Vartanov, V.S., Gavrilov, B.M., Zemskov, B.G., Permyakov, Yu.V. Development and certification of reference materials for iron-containing gamma-resonant absorbers 1-52746  
 Vartanyan, A.V. *see* Afyan, V.V. 1-49345  
 Vartazaryan, V.G. *see* Karapetyan, M.M. 1-34945  
 Varwig, R.L. *see* Wang, C.P. 1-51335  
 Varzaru, V. *see* Popescu, C. 1-49355  
 Vas, P. Generalized zero-sequence and anti-zero-sequence performance of induction machines 1-49446  
 Vas, P. Analysis of space-harmonic effects in induction motors using n-phase theories 1-53454  
 Vasanelli, L. *see* Augelli, V. 1-46617  
 Vasanelli, L. *see* Bacci, C. 1-30405  
 Vasanth, K.L. *see* McDermott, P.P. 1-31429  
 Vasantha, E., Shivaprasad, A.P. A new approach to digital frequency synthesis 1-48120

- Vascon, M. *see* Charpak, G. 1-34491
- Vasenko, S.A. *see* Semenov, V.K. 1-28333
- Vashchenko, A.P., Durnev, S.N., Loginov, V.Yu., Prokopcheko, A.I. Ultrasonic tolerance on thickness meter and indicator type DTI-1 1-42638
- Vasil'chenko, V.G., Vishnevskii, N.K., Lapshin, V.G., Mel'nikov, N.S., Monich, E.A., Rykalin, V.I., Semenov, V.K., Peleshko, V.N. Hodoscope photomultiplier operated as a signal accumulator 1-50731
- Vasil'chenko, V.I. *see* Kovalenko, I.I. 1-49177
- Vasile, M. Influence of demagnetized fluxes on the performance of synchronous motors with permanent magnets 1-31202
- Vasilenko, G.V., Sutotskii, G.P., Zenkevich, Yu.V., Buchis, S.V. On the optimum pH value of the condensate in the duct of the low-pressure heater of supercritical-pressure boiler units 1-49275
- Vasilenko, N.D., D'yachenko, A.M., Maronchuk, I.E., Maronchuk, E.E. Solvent microinclusions in epitaxial structures grown from the liquid phase 1-27108
- Vasilenko, N.D., Glushko, E.A., Maronchuk, I.E., Maronchuk, E.E. Solvent microinclusions in GaAs epitaxial layers 1-35950
- Vasil'ev, A.M. *see* Bessaraba, V.I. 1-27754
- Vasil'ev, A.V., Rinkevichyus, B.S. Laser Doppler anemometer utilizing opposite beams 1-37244
- Vasilev, B. *see* Vasilev, V.B. 1-45287
- Vasil'ev, B.V., Dinkel, A.D., Sal'nikov, I.Ya. Program device for setting speed of mine hoist equipment 1-31750
- Vasil'ev, E.N., Sedel'nikova, Z.V., Seregina, A.R. Diffraction of a plane wave by an ideally conducting solid of revolution with a dielectric envelope 1-37301
- Vasil'ev, K.K., Tsvetov, M.A. Optimum linear filtration of random process on background of multiplicative and additive noise 1-47179
- Vasil'ev, L.A. *see* Arlantev, S.V. 1-37078
- Vasil'ev, N.A. *see* Belyaev, V.V. 1-33094
- Vasil'ev, S.V., Kurakin, A.V., Lupkin, I.D., Mikitrichev, A.A. Commutating apparatus for the magnetic suspension in high-speed transport, operating under conditions of 'frozen' flux 1-49746
- Vasilev, V.B., Sofiyansk, V.M., Vasilev, B. Graphoanalytical method for determining the loss power of a BC class amplifier 1-45287
- Vasil'ev, V.I. *see* Byl'chenko, F.S. 1-36018
- Vasil'ev, V.N., Dudalev, V.P., Ivanov, V.A., Korobov, Yu.A., Solodovnikov, V.A., Soldikhin, G.M. Development of devices for preparation and inputting of measuring data 1-48060
- Vasil'ev, Yu.A., Dmitriev, Yu.V., Eliseev, P.G., Skopin, I.A., Stafeyev, V.I. Fast-response photodiode based on a surface-barrier Au-n<sup>+</sup>-GaAs structure 1-28583
- Vasil'ev, Yu.S., Shchavalev, D.S. Finding the efficiency of hydroelectric plant taking environmental protection measures into consideration 1-35078
- Vasil'eva, M.A., Malyshev, V.I., Masalov, A.V. Method of measuring picosecond relaxation times of bleachable media with the aid of 'noise' beams of laser radiation 1-37218
- Vasil'eva, T.K. *see* Boyanov, I. 1-46112
- Vasiliev, A.A. *see* Ageyev, A.I. 1-42866
- Vasiliev, A.A. *see* Garibyan, O.V. 1-46589
- Vasiliev, S.I. *see* Bragin'skiy, V.B. 1-28414
- Vasiliev, S.N. *see* Ageyev, A.I. 1-42866
- Vasiliev, V.V., Galyaev, N.A., Gubrienko, K.I., Zapol'sky, V.N., Zaruchevsky, V.G., Kotov, V.I., Lyamin, V.N., Maishev, V.A., Sakharov, V.P., Sapunov, Yu.M., Serebryakov, B.A., Prosin, B.V., Khodyrev, Yu.S., Chernyi, S.A., Vrba, V., Batyunya, B.V., Boguslavsky, I.V., Gramenitskiy, I.M., Zernin, Yu.D., Lednitskiy, R., Kuznetsov, V.A., Livyanyan, S.V., Yampol'skiy, I.R. Separated antideuteron beam at IHEP accelerator 1-48466
- Vasilii, V. *see* Apostol, D. 1-51543, 1-51544
- Vasiljev, P. *see* Deutschmann, M. 1-34480
- Vasiljev, P. *see* Fabjan, C.W. 1-48585
- Vasiljev, P. *see* Ludlam, T. 1-34481
- Vasil'yev, B.A., Vinogradov, G.K., Vodovotov, I.A., Vysotskiy, M.G., Yespikina, N.A. An investigation of radiation patterns of the RATAN-600 radio telescope, operating in the near-zenith synthesis mode in the presence of aberrations 1-34024
- Vasilyev, S.N., Parilov, V.P., Soloveichik, I.E., Churakova, V.G., Shlyapoberskiy, V.I. A self-contained subscribers electrical unit for determining the cost of telephone services 1-37700
- Vasquez-Espinosa, R.E. *see* Harlow, C.A. 1-43462
- Vass, A. *see* Davis, B.W. 1-37068
- Vassel, R. A decision problem related to a discrete doubly stochastic process 1-44815
- Vassell, M.O. Curve fitting the winding densities for magnetic coils. I. Densities with a finite number of parameters 1-28852
- Vassell, M.O. Curve fitting the winding densities for magnetic coils. II. Discrete densities 1-28853
- Vassell, M.O. Curve fitting the winding densities for magnetic coils. III. Densities with an infinite number of parameters 1-28854
- Vassell, W.C. *see* Hetrick, R.E. 1-30069
- Vassergiser, M.E. *see* Brailov, E.S. 1-30091
- Vasserina, K.N. *see* Adon'ev, N.M. 1-44267
- Vassershtein, I.S. *see* Biletov, M.V. 1-47714
- Vassilev, S.Y. *see* Smrikarov, A.S. 1-42590
- Vassileva, T.K. *see* Boyanov, I. 1-40551
- Vastl, J. Economical effectivity determination of the power transformers with oriented transformer sheets 1-31268
- Vastola, K.S., Poor, H.V. On Choquet capacities and their derivatives with respect to  $\sigma$ -finite measures 1-33457
- Vastrade, C. The fiftieth anniversary of the Central Electric Laboratory of the Belgian Electrotechnical Committee 1-26892
- Vasudev, B. *see* Modestino, J.W. 1-33666
- Vats, H.O. *see* Chandra, H. 1-46869
- Vats Hari Om *see* Hari Om Vats
- Vaucher, A.M. *see* Wei-Lou Cao 1-28681, 1-51432
- Vaughan, E. Active audio filter 1-36239
- Vaughan, J.C. A new linear circuit component 1-40240
- Vaughan, R. *see* Kosel, P.B. 1-48040
- Vaughn, V.V., Bosworth, E.L., Dudley, D.D. Angular measurement uncertainty for an infrared (IR) sensor 1-52474
- Vauth, R. Characteristics and assessment of a cold air cycle heat pump 1-44512
- Vavilov, V.S. *see* Akimchenko, I.P. 1-40427
- Va'vra, J., Rust, D. dE/dx prototype test 1-34427
- Vavra, J. *see* Kulda, J. 1-30301
- Vavra, S. *see* Novotny, J. 1-43208
- Vavrejnova, M., Horky, L., Borsky, V. Input output balancing in the planning practice 1-53802
- Vavrouch, D., Slamenik, F. An optical method for improving the signal of a laser velocity meter 1-33298
- Vaynshteyn, L.A., Vakman, D.Ye. Electron motion in magnetron and gyroresonant devices 1-32554
- Vazhenin, V.A. *see* Ado, Yu.M. 1-48574
- v.d. Meeberg, L. *see* Janssen, D.J.G. 1-33859
- v.d. Plassche, R.J. Monolithic 14-bit DAC with 85 dB S/N ratio 1-29943
- v.d.Lans, J. *see* Botner, O. 1-34444
- Vdovin, A.A. Construction principles of some commonly used functionally-distributed systems 1-33817
- Vdovin, S.S., Zirka, S.Ye., Red'kin, G.Ye. Designing an artificial line working into a complex load 1-40004
- Vdovin, V.I., Dolginov, L.M., Zaitsev, A.A., Mil'vidskii, M.G., Morgulis, L.M., Ovsenskii, V.B., Yugova, T.G. Structural defects in heterocomposites based on solid solutions of A<sup>III</sup>B<sup>V</sup> compounds 1-32690
- Vdovin, Yu.A., Korobeinikova, I.E. Metrological requirements and standards for transformer iron 1-30242
- Vdovin, Yu.A., Rykov, G.A. Metrological quality control provisions for electrical steel 1-32087
- Veall, N. *see* Rawlins, T.G.R. 1-34549
- Veastad, J.R. *see* Lode, M.J. 1-33953
- Veatch, D. Corrosion survey forestalls service interruption 1-49120
- Vecchi, I. *see* Servidori, M. 1-36462
- Vecchio, R.M. *see* Del Vecchio, R.M.
- Vecchis, M. *see* De Vecchis, M.
- Vecchis, M. *see* De Vecchis, M.
- Vecellio, B. *see* Lanfrancini, G.M. 1-49123
- Vecerka, T. *see* Cerovsky, Z. 1-31500
- Vecht, A. EL powder technology for the eighties 1-48174
- Vechten, J.A. *see* Van Vechten, J.A.
- Vecsey, C. Status of the Swiss LCT coil 1-51119
- Vecsey, G. *see* Besset, D. 1-42776
- Vecsey, G. *see* Marinucci, C. 1-28415, 1-51120
- Vedam, K. *see* Krishnaswamy, S.V. 1-40405
- Vedder, M., Butzkus, W. DIGIT 8—a digitalising device with microcomputer control 1-50668
- Vedenev, A.A., Volkov, A.Yu., Demin, A.I., Kudriavtsev, E.M., Stanco, J., Milewski, J., Brunne, M. Shock-tube CO<sub>2</sub> gas-dynamic laser operating on the (03'0)=(10'0) transition at 18.4  $\mu$ m 1-33172
- Vedenev, S.I. *see* Belenov, E.M. 1-51110
- Vedin, V.Yu. *see* Zagurskii, V.Ya. 1-52123
- Veendrick, H.J.M. An NMOS dual-mode digital low-pass filter for color TV 1-42396
- Veeraraghavan, W.G. *see* Washko, S.D. 1-40819
- Vegas, A. *see* Prieto, A. 1-36316
- Vegel, M.G. The rod plates are coming 1-53596
- Veghely, T. Coloured liquid crystal displays 1-48161
- Vegors, S.H., Jr. *see* Lawrence, R.S. 1-34497
- Veillet, J.-J. *see* Behrend, H.-J. 1-43229
- Veilleux, O. Surface-acoustic-wave devices 1-46363
- Veinger, A.I., Kocharyan, A.A. Characteristics of the behavior of a p-n junction in strong lateral electric fields 1-32687
- Veinger, A.I., Sargsyan, M.P. Kinetics of the thermo-emf appearing across a p-n junction as a result of heating of carriers 1-32683
- Veinger, M.I., Konyaev, A.Yu., Rezin, M.G. Control of multi-motor electric drives of roller conveyors with linear asynchronous motors 1-35444
- Veis, S. *see* Skalny, J. 1-27741
- Veit, B. A proof of the associated sheaf theorem by means of categorical logic 1-31974
- Veith, R., Kriedt, H., Rehak, M. IF-video section with surface wave filter 1-50543
- Veith, R. *see* Langecker, K. 1-36797
- Veith, R. *see* Mader, W. 1-32944
- Veith, R. *see* Stocker, H.R. 1-36796
- Veith, R.H. Interorganizational telecommunications—survey of banks in eleven countries 1-37779
- Vejvoda, O., Straskraba, I. Perturbed nonlinear abstract equations 1-35908
- Vekshina, E.V., Fursin, G.I. A multisection model for integrated injection structures 1-32876
- Vekshina, T.N. *see* Shirshov, Yu.M. 1-40478
- Veksler, G.S., Pavlovskiy, L.L., Pilinskiy, V.V. The conditions of operation of integrated-circuit voltage stabilizers 1-36087
- Velarde, M.G. *see* Antoranz, J.C. 1-46665
- Velayudhan, C. *see* Srinivasan, P.S. 1-35168, 1-52505
- Velchev, V.L. *see* Yakimov, T.N. 1-27716
- Velculescu, V.G. *see* Chis, I. 1-37073
- Veld, J.K. In't *see* In't Veld, J.K.
- Veld, S.H.K. In't *see* In't Veld, S.H.K.
- Velde, J.C. Van de *see* Van de Velde, J.C.
- Veldhuizen, M. *see* van Veldhuizen, M.
- Veldkamp, W.B. Developments in laser-beam control with holographic diffraction gratings 1-29810
- Velednitskii, V.M., Push, V.E., Shimanovich, M.A. Static load characteristics of a hydrostatic radial bearing without draining grooves and with opposed acting restrictors 1-53820
- Velghe, M.F. *see* Deacon, D.A.G. 1-46661
- Velicescu, M. *see* Buhler, H.-E. 1-28219
- Velichkin, A.I., Kotenko, V.V. Smoothing of a continuous message at the output of a communications system with pulse-code modulation 1-41726
- Velichko, B.F. *see* Al'zhanov, T.M. 1-31710
- Velickovic, D. *see* Bozilovic, G. 1-51748
- Veliev, E.L., Veremei, V.V., Nosich, A.I., Shestopalov, V.P. The effect of the trap in electro-dynamics 1-51652
- Velikanov, A.G., Gorshunov, N.M., Neshchimenko, Yu.P., Scherbo, A.B. Comprehensive optimization of gasdynamic laser parameters for maximum gain in the 16  $\mu$ m band 1-28660
- Velikhov, E.P. *see* Abil'slitov, G.A. 1-37083
- Velikovich, V.I. *see* Vodichev, V.I. 1-30909
- Vella, M.C. Physics of the high current density electron beam ion source (EBIS) 1-52660
- Vella, P.J., Normandin, R., Stegeman, G.I. Enhanced second-harmonic generation by counter-propagating guided optical waves 1-37207
- Vella-Coleiro, G.P., Wolfe, R., Blank, S.L., Caruso, R., Nelson, T.J., Rana, V.V.S. Implantability of small bubble diameter garnet films 1-46395
- Vellage, K.-H. Monitoring insulation resistance in the series circuits of airport lighting systems 1-49794
- Vellenga, C. *see* Foote, A. 1-52865
- Veltchev, N.B. Microelectronics in the 1980s 1-27711
- Veltkamp, H. Capacity control of a twin screw extruder system. 1-35549
- Velzel, C.H.F. *see* Brouwer, R.P. 1-37117
- Vemuri, S., Wen Liang Huang, Nelson, D.J. On-line algorithms for forecasting hourly loads of an electric utility 1-49014
- Ven, E.P.G.T. *see* van de Ven, E.P.G.T.
- Venable, D.D., Taboada, J. Measurement of temporal spacing between closely spaced laser pulses 1-46774
- Vence, R.L., Jr. *see* Gupta, R.R. 1-37984
- Vencelj, A., Levonik, F., Mezek, M., Vidic, S., Engelman, B. Precision watt-hour-meter measuring 1-49187
- Vencelj, A., Marn, J. Current and voltage instrument transformers error indicator 1-48126
- Vendell, E.W. Supercritical helium cooling of optical sensors 1-48099
- Venediktov, G.L. Analysis of control stages of static electromagnetic phase converters with automatic balancing of a three-phase current 1-39050
- Venema, A. Transduction and propagation of surface acoustic waves in three-layered media with an electrically conductive substrate 1-46370
- Venema, W.Z. *see* Janssens, R.V.F. 1-52736
- Vener, P. *see* Szamoskozi, Z. 1-40052
- Venetsanopoulos, A.N. *see* Mittal, K.K. 1-47273
- Venger, A.Z., Ermak, A.N., Yakimenko, A.M. Frequency multiplier based on an avalanche-and-transit diode 1-36344
- Venger, A.Z., Gavrilova, N.I., Yakimenko, A.M. A possible method of reducing the noise of oscillators using IMPATT and Gunn diodes 1-40235
- Venger, C. *see* Simondet, F. 1-27817

- Venkov, N.I., Duman, E.L., Menshikov, L.I., Yarosh, V.E., Dmitriev, I.S., Zaikov, V.P. Some aspects of the charge exchange or uranium ions in the high-energy heavy-ion accelerator 1-48456
- Venkov, V.A., Stroev, V.A., Tawfik, M.A.H. Optimal control of transients in electrical power systems containing controlled reactors. II. Optimal control problem solution 1-53009
- Venkata, S.S. see Mokkapati, C. 1-44753
- Venkataraman, N.S. Electrostatic potential of an equatorial satellite 1-52834
- Venkataramani, Y. see Venkateswaran, S. 1-27340
- Venkatasetty, H.V., Saathoff, D.J. Properties of  $\text{LiAlCl}_4\text{-SOCl}_2$  solutions for  $\text{Li/SOCl}_2$  battery 1-39105
- Venkatasubbu, L. see Vaidyalanganathan, A. 1-53119
- Venkatesan, K. see Bharadwaj, F.G. 1-49463
- Venkatesan, K. see Eapen, K. 1-39145
- Venkatesan, K. see Lindsay, J.F. 1-44089
- Venkatesan, K. see Mittle, V.N. 1-53710
- Venkatesh, P. Influence of validation schemes in a laser Doppler anemometer period timing device for frequency measurement 1-34383
- Venkateswaran, H. see Krishnamurthy, E.V. 1-35876
- Venkateswaran, S., Venkataramani, Y. Continuously tunable active-R oscillator with two operational amplifiers 1-27340
- Venkato Rao, P., Sastry, V.V., Sridhara Rao, G., Rao, S. Optimal design of high power factor energy efficient equipment 1-44109
- Venkov, A.B., Zograf, P.G. Analogs of Artin's factorization formula in the spectral theory of automorphic functions, associated with induced representations of Fuchsian groups 1-50193
- Venkrbec, J. see Sedlacek, J. 1-46600
- Venne, H.J., Jr. see Eller, A.I. 1-42341
- Ventimiglia, B. see Noteware, R. 1-26910
- Ventura, E. see Perez Ferreira, E. 1-42853
- Ventura, G. see Frontera, F. 1-30383
- Venturini, M.G.B. see Alesina, A. 1-39061
- Venyavkina, E.A. see Ignatov, I.I. 1-35526
- Venzlaff, H. see Levi, H.W. 1-30920
- Ver, I.L., Andersen, D.W., Myles, M.M., Teplitzky, A.M. Field study of sound radiation by power transformers 1-44165
- Ver Der Spiegel, J., Declerck, G.J. Theoretical and practical investigation of the thermal generation in gate controlled diodes 1-46170
- Vera, A.J. see Spires, D.A. 1-47468
- Verardo, A.E. see Caskey, D.L. 1-31414
- Verat, M. see Roziere, G. 1-32582
- Verber, C.M. Integrated optical circuits: why stop at the fiber? 1-51222
- Verber, C.M., Kenan, R.P. Application of addressable electrooptic grating to integrated-optic circuits 1-40962
- Verber, C.M., Kenan, R.P., Busch, J.R. Correlator based on an integrated optical spatial light modulator 1-36960
- Verber, C.M. see Hartman, N.F. 1-46571
- Verbitskii, V.L. see Efimochkin, G.I. 1-49284
- Verbruggen, R. see Bartle, C.M. 1-30311
- Verdeyen, J.T., Eden, J.G., Killeen, K., Epler, J., Johnson, D. Low temperature operation of an  $\text{S}_2$  laser using an RF simmer discharge 1-51387
- Verdeyen, J.T. see Miller, P.A. 1-38389
- Verdier, A. see Billan, J. 1-48530
- Verdiev, M.G. see Agafonov, V.G. 1-51291
- Verdillon, A. see Malladi, R. 1-46332
- Verduzio, L. see Guagliumi, R. 1-39196
- Verednikov, V.M. see Bogomolov, E.N. 1-42740
- Veremei, V.V. see Veliev, E.I. 1-51652
- Vereshchagin, I.P., Ermilov, I.V., Morozov, Yu.M., Kuritsyn, N.A. On puncture voltages in an electro-filter 1-41193
- Vereshchagin, I.P., Zargaryan, I.V., Semenov, A.V. Field distribution in electro-filters with needle electrodes 1-46842
- Vereshchagin, S.I. see Simonik, A.G. 1-35540
- Veretennikov, V.V., Naats, I.E. Interpretation of the polarization characteristics of optical signals in ranging of dispersive media 1-52162
- Verevkin, V.M. see Golubev, A.S. 1-36004
- Vergani, A. see Clerici, E. 1-48993
- Verges, P. see Eckert, D. 1-51115
- Vergheze, G., Mukherji, U. Extended averaging and control procedures 1-53558
- Vergnas, M. Las see Las Vergnas, M.
- Vergnaud, D. see Scavennec, G. 1-42050
- Vergnaud, R. see Accard, A. 1-39787
- Verhaar, R.D.J. see Druyvesteyn, W.F. 1-46416
- Verhaeghe, M. see Delaporte, F. 1-45269
- Verhoeven, J.A.T., Van Doveren, H. Investigations on barium getter films by AES and XPS 1-36423
- Verhulst, A.G.H., Bril, T.W., Voermans, A.B., Koel, G.J. High frequency propagation of magnetic bubbles in dual conductor devices 1-46443
- Verie, C., Raymond, F., Rioux, J., Kozacki, A., Vacquie, I. Direct evidence of resonant scattering and hot electrons studies in  $\text{HgTe}$  1-27804
- Veringa, H.J. see Elen, J.D. 1-32991, 1-41196
- Verity, D., Bryant, F.J. Damage-induced shallow acceptor centre in ion-implanted zinc telluride 1-27811
- Verity, D. see Bryant, F.J. 1-45933
- Verkaik, A. see Elen, J.D. 1-32991
- Verkerk, C. Use of intelligent devices in high-energy physics experiments 1-48655
- Verkhovskaya, K.A. see Batirov, T.M. 1-46616
- Verkhovskii, V.S. see Tarasenko, V.F. 1-28654
- Verlangieri, P.A. see D'Angelo, R. 1-27857
- Verma, A. Advance coal-fired power-generation processes. II 1-31004
- Verma, A. see Johnson, K.E. 1-31441
- Verma, H.K., Saxena, A.K. Electronic test scheme with automatic error computation for energy meters 1-38097
- Verma, H.K. see Ghai, A.K. 1-38813, 1-38837
- Verma, M.C., Bansal, S.C., Khanna, J.K. Philosophy and special consideration of design of hydraulic turbines 1-43989
- Verma, M.P. Insulator designs for  $\geq 1200$  kV lines 1-34918
- Verma, M.P., Petrusch, W. Results of pollution tests on insulators in the  $\geq 1100$  kV range and necessity of testing in the future 1-34912
- Verma, R., Mukhedkar, D. Fundamental considerations and impulse impedance of grounding grids 1-30809
- Verma, R.L., Bapna, R.C. Processing of multialkali photocathodes in diodes of different configurations 1-32591
- Verma, R.L. see Bapna, R.C. 1-32542
- Verma, S.N. see Swarup, P. 1-45097
- Verma, S.P., Girgis, R.S. Theoretical and experimental investigations on the accurate determination of resonant frequencies and natural response of stators 1-53385
- Verma, V.K. see Jain, S.K. 1-38668
- Verma, V.K. see Parkash, V. 1-49439
- Verma, V.K. see Sarkar, B.N. 1-49429
- Vermaas, H.F. Cell for maintaining samples at a constant moisture content during DC resistance measurements at various temperatures 1-52562
- Vermeulen, J.C. Noise in resistive charge division position-sensing methods 1-48612
- Vermeulen, J.C., van der Plicht, J., Drentje, A.G., Put, L.W., van Driel, J. A versatile detection system for a broad range magnetic spectrograph 1-30338
- Vermeulen, J.C. see England, J.B.A. 1-48576
- Vermeulen, L.A., Young, J.F., Gallant, M.I., van Driel, H.M. Ultrafast photoconductive response of semiconducting diamond 1-46626
- Vermilyea, C.J. see Altimari, R. 1-40369
- Vernay, Y., Lardy, J.L., Gerber, R. A 1.5 Kbit associative memory 1-40701
- Vernay, Y.-J. see Rainard, J.-L. 1-40033, 1-46193
- Vernet, M. see Gole, P. 1-28899
- Vernia, C. see Messerschmidt, D. 1-41530
- Vernia, C. see Soderstrand, M.A. 1-45591
- Vernieres, F., Ellouze, N., Castanie, F. SURF: a telegraph signal based uniformly distributed analog random voltage generator 1-36124
- Vernin, J. see Azouit, M. 1-38584
- Vernon, G.W. see Brown, P.H. 1-34729
- Vernon, J.H. Safe working practices in electrical supply authorities 1-43568
- Vernon, P. see Corfield, J.R. 1-43298
- Vernov, N.I., Perminov, Yu.A., Romanov, V.M. Vibrational methods of measuring liquid media density 1-38302
- Veron, L. Singular solutions of some nonlinear elliptic equations 1-35905
- Verona, E. see Alippi, A. 1-32943
- Verplanck, J., Brijs, B., Cornelis, K., Gentens, J., Huyse, M., Lherissonneau, G. Present status and expected evolution of LISOL, the Leuven isotope separator on-line 1-48546
- Versfeld, L.R.G. see Butterweck, H.-J. 1-39839
- Vershinin, P.P. see Kozlov, M.I. 1-36084
- Versluis, J.W. see Diekema, A. 1-28492
- Versnel, W. Analysis of symmetrical Hall plates with finite contacts 1-50742
- Verstappen, H.L. Shaped cylindrical double-reflector system for a broadcast-satellite antenna 1-29853
- Versteeg, W. see Steinmetz, A. 1-32477
- Veteletskii, D.S. see Grechko, E.N. 1-44218
- Vertoprakhov, V.V. see Bogomolov, E.N. 1-42740
- Vertut, J. Prospects for robotization in the nuclear industry 1-43852
- Verzwyvelt, S.A. see Lim, H.S. 1-31421
- Veselov, G.I., Platonov, N.I., Slesarev, E.S. Consideration of the features of electromagnetic fields in the method of partial regions 1-41184
- Veselov, M.A. see Alexeev, N.N. 1-48471
- Veselovskaya, L.P. see Krevchenko, Yu.R. 1-49745
- Veselovskii, O.N. Performance analysis of low-speed linear induction motors 1-44081
- Veselovskii, O.O., Zibarev, A.Yu., Levin, B.Kh., Sapsalev, A.V. Electric drive with linear contactless DC motor 1-35192
- Veselovskii, V.N. see Adas'ko, V.I. 1-31250
- Vesely, V., Koscova, M. Design of a combined turbine output and synchronous generator excitation controller 1-44057
- Vesely, V., Markechova, M. Contribution to the design of a mathematical model of synchronous machines and electric systems 1-38964
- Vesetas, R. see Cain, G.J. 1-42125
- Vesety, D.G. see Snell, C. 1-39693
- Veshkurtsev, Yu.M. A statistical estimate of accuracy of an analyzer of fluctuations containing a tuned circuit in the reference signal formation chain 1-47209
- Vesugi, N. Wavelength conversion using  $\text{LiNbO}_3$  optical waveguide 1-33275
- Veteikis, R.P. see Bredikis, Yu.Yu. 1-30466
- Vetelino, J.F. see Lec, R. 1-32949
- Vetokhin, S.S., Reznikov, I.B. Dissector photon counters 1-48115
- Vetrov, L.G. On linearization of stochastic differential equations of optimal nonlinear filtering 1-44794
- Vetrov, O.D., Moskalev, D.A. Power system for electromagnet in an NMR spectrometer 1-36083
- Vetrov, V.I. see Armand, N.A. 1-43441
- Vetrov, V.V. see Kuzmin, M.P. 1-39886
- Vetter, A.M. see Axel, P. 1-42900
- Vetter, D., Stork, J., Skoge, K., Ahrens, P. LPC speech IC using a 12-pole cascade digital filter 1-37475
- Vetter, D. see Ahrens, P. 1-29123
- Vetter, J.E. A high intensity proton linear accelerator for the German spallation neutron source (SNQ) 1-48560
- Vetter, W.J. see Dunsiger, A.D. 1-48872
- Veuhoff, E., Maier, M., Bachem, K.-H., Balk, P. Sulfur incorporation in VPE GaAs 1-39785
- Vevers, A.J., Headon, R.F., Coe, D.J. Automatic assessment of CAD parameters for short and narrow-channel MOST models 1-40620
- Veverka, A. Influence of voltage tests on the service life of electric machine insulation 1-49394
- Veverka, A. Breakdown by small probabilities 1-51033
- Veyalis, N.P. see Komarov, Yu.A. 1-52605
- Vezzoli, G.C., Doremus, L.W., Levy, S., Gaule, G.K., Lalevic, B., Shoga, M. The on-state of single-crystal and polycrystalline  $\text{NbO}_2$  1-36489
- Vezzosi, G. see Arques, P.-Y. 1-47166
- Via, G. see Deckman, H.W. 1-34527
- Vialaret, G. see Esteve, D. 1-53640
- Viale, F., Cricqui, M. New trends in power capacitors technology 1-27635
- Viaro, U. see Caldon, R. 1-34792
- Vic, R.L. see Jacquelin, J. 1-39108
- Vicaud, A. see Capelle, J. 1-27636
- Vichev, B.I., Dervishev, S.J. Calibration methods for voltage standing-wave ratio measurements 1-38260
- Vichnin, H.H., Fong, H.H. Thermostructural analysis of potting compounds in traveling wave tubes and high voltage power supplies 1-50721
- Vichnin, H.H. see Ismail Abdel-latif, A. 1-50722
- Vickers, A.L. see Modestino, J.W. 1-29116
- Vickers, G.D. see Wassel, W.W. 1-34192
- Victor, Y. see Bosca, G. 1-46360
- Vidal, C.R. see Egger, H. 1-46672
- Vidal, C.R. see Scheingraber, H. 1-46789
- Vidal, P. see Chekroun, C. 1-33408
- Vidic, S. see Vencelj, A. 1-49187
- Vidigal, L.M., Director, S.W. Comparison of two methods for design centering 1-45176
- Vidkjaer, J. A describing function approach to bipolar RF-power amplifier simulation 1-45297
- Vidkjaer, J. A describing function approach to bipolar RF-power amplifier simulation 1-45308
- Vidunas, L.J., Jr. see Schnurmman, H.D. 1-36186
- Viehmann, H.H. Time signal clock designed by Viehmann 1-34384
- Vieira, S. Pyroelectric behavior of  $\text{LiNbO}_3$  at low temperatures 1-36716
- Vielhauer, P. Line processes with non-disappearing initial conditions 1-46977
- Vielhauer, P., Donath, F. Criteria for the estimation of the applicability of a cable model 1-32427
- Vielmo, P. see Blandino, A. 1-38926
- Viesti, G. see Boccaccio, P. 1-38426
- Viet Kinh Nguyen see Nguyen Viet Kinh
- Vieten, M. Monitoring power system disturbances 1-38833
- Vietor, G.C., Ahrens, P.R., Harper, W.E. Autotransformer circuit breaker transient recovery voltages associated with interrupting low voltage bus faults 1-49618
- Vietor, G.C. see Priest, K.W. 1-49102
- Vig, J.R. see Filler, R.L. 1-40765
- Vigassy, J. see Szabados, L. 1-53184
- Vigdorovich, V.N. see Bragin, N.V. 1-32692
- Viglione, S.S. Voice recognition module—a designer's option for data entry 1-33592
- Vignale, W. Automation in process in Fiat body and assembly division 1-39248
- Vignati, A. see Bizzarri, U. 1-42838
- Vignau, R. von see von Vignau, R.
- Vignerou, C. An analytical stereoplotter: Traster 77 1-38498
- Vignerou, J. see Redon, A.M. 1-31393
- Vignoni, J.R. see Catalfo, J.M. 1-31249
- Vignos, J.P. see Benenati, J.A. 1-26933

- Vigoureux, P.L.** Note on a proposal of the Physikalisch-Technische Bundesanstalt, for determining the magnetic flux density produced by a system of coils 1-48212
- Vigreux, J.** *see* Ganger, B. 1-49608
- Viguet, G.S., III** *see* Pinson, L.J. 1-30015
- Vioreanu, Gh.** *see* Beldiman, C. 1-32286
- Vioreanu, Gh.** *see* Ispas, I. 1-40560
- Vijay Bodhankar** *see* Sethi, V.S. 1-29982
- Vijaya Kumar, B.V.K.,** Casasent, D. Binarization effects in a correlator with noisy input data 1-33680
- Vikarby, B.** *see* Clarholm, J. 1-31243
- Viklund, B.** *see* Hallberg, P.-A. 1-42018
- Viktil, M.** NATO studies VLSI: computer designs computers 1-46189
- Viktorin, J.,** Briza, F. The 74121N and 74123N monostable flip-flop ICs 1-50516
- Viktorovitch, P.** Bulk and surface states analysis in a-Si:H by Schottky and MIS tunnel diodes capacitance and conductance measurements 1-40386
- Viktorovitch, P.,** Modell, G., Paul, W. Evidence for an additional conductivity path in P-doped a-Si:H from Schottky barrier height and photoconductivity temperature dependence measurements 1-50796
- Viktorovitch, P.** *see* Modell, G. 1-45896
- Viktorovitch, P.** *see* Weissfeld, R. 1-50795
- Vikulin, I.M.,** Glauber, M.A., Egizaryan, G.A., Kozel, N.A., Manvetyan, Yu.S. Magnetothersistors 1-50920
- Vikulin, I.M.,** Kurmashev, Sh.D., Andreev, V.I., Gin'ko, V.I., Dem'yanchuk, O.P. A unijunction phototransistor with injection gain 1-33144
- Vikulina, L.M.** *see* Sobolev, S.I. 1-31674
- Vikulov, S.P.** *see* Aleksandrov, I.V. 1-28475
- Vilamajo, E.** *see* Calderer, J. 1-35367
- Vilar, E.** *see* Haddon, J. 1-46914
- Vilar, E.** *see* Mousley, T.J. 1-51603
- Vilchek, W.S.,** Fesak, G., Helfrich, W.J. Instantaneous circuit breaker settings for the short circuit protection of direct current 300 and 600 V trailing cables 1-53574
- Vilchek, W.S.** *see* Fesak, G. 1-53575
- Vild-Major, A.A.** Elaboration of a bipolar circuit LSI-BP 1200, unit for industrial control 1-46278
- Vild-Major, A.A.** *see* Gheorghiu, V. 1-50408
- Vildgrube, G.S.,** Kalantarov, M.A., Kozlov, V.A., Lapuk, A.G., Timofeev, S.A. Vidicons with oxide-lead target for colour television 1-29898
- Villani, A.** On an optimal control problem for a distributed parameter control process with unbounded coefficients 1-50232
- Villani, F.** *see* Montemurro, R. 1-29363
- Villarreal, B.,** Karwan, M.H. Multicriteria integer programming: a (hybrid) dynamic programming recursive approach 1-44993
- Villarruel, C.A.,** Moeller, R.P. Fused single mode fibre access couplers 1-28443
- Villarruel, C.A.** *see* Koo, K. 1-36921
- Villaverde, A.** Balbin *see* Balbin Villaverde, A.
- Villegier, J.C.,** Coeure, P. The manufacture of Josephson junctions for the voltage standard 1-33001
- Villegier, J.C.,** Matheron, G. Some properties of Nb-Nb<sub>2</sub>O<sub>5</sub>-Pb(In) Josephson tunnel junctions for devices applications 1-28343
- Villeneuve, A.T.,** Kummer, W.H. Conical phased array antenna investigations 1-52159
- Villepelet, B.,** Ferrieu, F., Grouillet, A., Golanski, A., Gaillard, J.P., Ligeon, E. Recoil implantation of oxygen from SiO<sub>2</sub> thin films on silicon 1-40504
- Villotte, J.P.** *see* Aubourg, M. 1-47002
- Vilmotter, V.A.** Performance of a near-optimum receiver for optical antipodal signals 1-29778
- Vinal, A.W.** A magnetic sensor utilizing an avalanche semiconductor device 1-42597
- Vinatier, C.** *see* Dubost, G. 1-37372
- Vincelli, M.L.** *see* Amendolia, S.R. 1-43238
- Vincent, C.A.** *see* Bonino, F. 1-44351
- Vincent, G.** *see* Chantre, A. 1-40411
- Vincent, J.S.** *see* Baartman, R. 1-48338
- Vincent, R.** *see* Benson, G. 1-31131
- Vincent, W.A.** *see* Boyd, J.D. 1-40695
- Vincent, W.R.** *see* Owen, R.E. 1-34870
- Vincente, A.,** Lattanzi, L. Telephone communication via SIRIO satellite: test results 1-47587
- Vincenti, P.** *see* De Vincenti, P.
- Vincetti, P.S.** *see* Roberts, G.G. 1-45100
- Vinck, A.J.** On the class L<sub>2,v</sub> of convolutional codes 1-33521
- Vineis, D.** *see* Polinski, S. 1-28191
- Vinjamuri, K.** Fuel swelling due to retained fission gas and thermal effects during high temperature transients 1-53206
- Vink, A.T.** *see* Hallais, J. 1-50779
- Vink, N.G.** *see* Heijnenmans, W.A.L. 1-50730
- Vinnal, E.** *see* Burton, J.M. 1-41249
- Vinnikov, A.Ya.,** Meshkov, A.M., Savushkin, V.N. Nonlinear percolation conductivity of a polycrystalline structure 1-27814
- Vinograd, E.L.,** Gurevich, N.Yu., Tsirlin, Yu.A. Effects of  $\gamma$  rays on the inherent resolution of a thallium-activated sodium iodide crystal 1-38438
- Vinograd, E.L.,** Tsirlin, Yu.A., Gurevich, N.Yu. Influence of temperature on intrinsic energy resolution of NaI(Tl) crystals 1-30328
- Vinogradov, A.G.,** Teokharov, A.N. Correlation properties of a field propagating in a medium with multiscale inhomogeneities 1-51583
- Vinogradov, G.K.** *see* Vasil'yev, B.A. 1-34024
- Vinogradov, M.S.** *see* Mikhailovskii, S.S. 1-32784
- Vinogradov, N.V.** The determination of the efficiency of radio relay systems by means of a comprehensive criterion 1-52053
- Vinogradov, V.N.** Estimation of nonlinear trends in discrete time by the method of polynomial filtering 1-37526
- Vinogradov, V.V.** *see* Terziev, F.S. 1-48877
- Vinokurov, G.N.,** Shateev, A.N. On the stability of the continuous lasing mode of operation in the 'master oscillator-superradiative ring amplifier' type of solid-state laser system 1-33253
- Vinokurov, V.A.,** Tarakanova, T.A., Arshinov, A.A., Fironov, A.N., Izomestev, N.N. The characteristics and techniques of improving linear synchronous motors for high-speed surface transport 1-49744
- Violette, E.J.** *see* Rush, C.M. 1-33351
- Vir, R.K.** Performance evaluation of monomotor bogies on Indian Railways 1-35456
- Virchenko, M.A.** *see* Kosyak, Y.F. 1-30910
- Virgil, G.R.,** Owens, A.D. Automate to optimize boiler blowdown 1-43940
- Virnik, F.V.** *see* Gol'din, M.L. 1-48683
- Virolainen, R.** *see* Karkkainen, S. 1-49094
- Viroleau, A.** *see* Kaminski, G. 1-49499
- Virsberg, L.-G.,** Bjorklund, A. Further development of MICAPACT insulation 1-44017
- Virupaksha, K.** *see* Suyderhoud, H.G. 1-47162
- Visan, I.** *see* Felca, S. 1-30842
- Viscusi, W.K.** *see* Berry, D.A. 1-44875
- Visentini, S.** *see* Hood, J. 1-42082
- Vishnevskaya, N.F.** *see* Abrazov, M.G. 1-36415
- Vishnevskii, A.M.** *see* Bokov, S.S. 1-52586
- Vishnevskii, N.K.,** Lavkin, A.G., Lapshin, V.G., Mel'nikov, N.S., Semenov, V.K. Profile of an electromagnetic shower in a gamma-ray spectrometer based on gas-discharge chambers with automata data collection 1-30377
- Vishnevskii, N.K.** *see* Vasil'chenko, V.G. 1-50731
- Vishnevskii, Yu.I.** *see* Buyantuev, S.L. 1-35275
- Vishnyakov, G.N.** *see* Auslender, A.L. 1-41809
- Visser, A.T.** *see* Bruinsma, P.J.T. 1-48387
- Visser, D.R.** Lithium-aluminum/iron sulfide batteries 1-44331
- Visser, D.R.** *see* Redey, L. 1-44338
- Vistoli, I.** *see* Manigrasso, R. 1-49522
- Vistoli, I.** *see* Preti, M. 1-49461
- Visvanathan, V.** *see* Hachtel, G. 1-46091
- Viswanathan, C.R.** *see* Backensto, W.V. 1-28022
- Viswanathan, R.,** Russell, W., Higgins, A. Noisy-channel performance of 16 kb/s APC coders 1-41558
- Viswanathan, T.R.** *see* Faruque, S.M. 1-45489
- Vit, V.** The switching mains supply unit of the Elektronika C-430 TV receiver 1-39912
- Vita, P.** *see* Di Vita, P.
- Vitale, S.** *see* Darbo, C. 1-43263
- Vitchinnikov, A.S.** *see* Gorislavets, Yu.M. 1-49804
- Vitek, V.** *see* Molis, Z. 1-38642
- Viterbi, A.J.** *see* Wright, D.A. 1-29700
- Vithayathil, J.** *see* Palaniappan, R. 1-49729
- Vithayathil, J.** *see* Rajashekar, K.S. 1-44205
- Vit'ko, P.I.** *see* Nikolaenko, A.T. 1-38291
- Vitkov, M.G.** Synthesis of filters with maximally flat AFC and equalized attenuation in the stop-band 1-50544
- Vitkovitsky, I.M.,** Scherrer, V.E. Recovery characteristic of exploding wire fuses in air and vacuum 1-49620
- Vitkovitsky, I.M.** *see* Ford, R.D. 1-39064
- Vitkus, A.M.,** Laurinavichyus, A.K., Pozhela, Yu.K., Yashinkas, P.-A.P. Automated device for semiconductor diagnostics using the helicon UHF method 1-42738
- Vitkus, A.M.** *see* Pozhela, Yu.K. 1-36452
- Vitone, N.** *see* Basile, G.L. 1-44077
- Vittal, V.** *see* Fouad, A.L. 1-53021
- Vittorini, B.** *see* Dalle Molle, D. 1-53464
- Vittoz, E.** *see* Krummenacher, F. 1-40095
- Vittoz, E.A.** Micropower MOS LSIs 1-40714
- Vityaz', P.A.** *see* Achasov, O.V. 1-41053
- Vityazev, V.V.,** Kolyadko, D.I., Stepashkin, A.I. Realization of nonrecursive narrow-band digital filters 1-40116
- Vivalda, E.** *see* Sandri, S. 1-37450
- Vivian, P.G.L.,** Sutherland-Smith, U. New developments in solder pre-forms 1-26928
- Viviani, G.L.,** Heydt, G.T. Stochastic optimal energy dispatch 1-43553
- Vivona, J.W., Jr.** *see* Backes, J.L. 1-35647
- Vlach, J.** Present state and prospects of heat supply from nuclear energy in Czechoslovakia 1-43839
- Vlach, J.** Simulation of logic circuits by means of the TI-58/59 1-50517
- Vlach, J.** *see* Faruque, S.M. 1-45489
- Vlach, J.** *see* Singhal, K. 1-50368, 1-50369
- Vlach, M.** Approximation operators in optimization theory 1-44966
- Vlachakis, A.V.** *see* Servetas, E.C. 1-32169
- Vlad, V.I.** *see* Udrea, M.V. 1-37233
- Vladimirescu, A.,** Pederson, O. A computer program for the simulation of large-scale-integrated circuits 1-46289
- Vladimirov, V.V.,** Gabovich, M.D., Protchenko, I.M., Poritskii, V.Ya., Tkachenko, L.N. Gas-magnetron volt-ampere characteristics under conditions of intense cathode sputtering 1-27759
- Vladimirov, V.V.,** Gorshkov, V.N., Shchedrin, A.I. Influence of the intrinsic magnetic field of the plasma current on the energy and current-voltage characteristics of a nonself-sustained discharge in high-power gas lasers 1-51376
- Vladimirskaia, E.L.,** Vrazhnov, V.N. Design of the PTS-K telegraph substation equipment 1-37707
- Vlah, Z.J.,** Harvey, S.M. Multi-frequency surge withstand capability tests for protective relays 1-30812
- Vlah, Z.J.,** Harvey, S.M. Multi-frequency surge withstand capability tests for protective relays 1-34950
- Vlasak, R.** *see* Kalousek, J. 1-41945
- Vlasits, A.M.** Power supply circuit with HEXFET—design advantages with power-MOSFETs 1-45262
- Vlaskina, S.I.,** Sergeev, O.T., Smirnov, V.P. Growth kinetics of epitaxial films of cubic silicon carbide 1-50290
- Vlasov, A.F.** *see* Karpenko, V.M. 1-53836
- Vlasov, A.N.** *see* Batalina, M.A. 1-36593
- Vlasov, N.I.** Method for testing electronic-circuit tolerances by means of their functional element heat radiation 1-44683
- Vlasov, S.I.** *see* Berman, L.S. 1-32110
- Vlasov, V.S.,** Glukhov, V.M. Graphic frequency corrector 1-42488
- Vlasova, T.G.** *see* Brusin, I.Ya. 1-37961
- Vlasova, V.I.** *see* Petryaev, E.P. 1-38902
- Vlasov, M.,** Parent, C., Salmon, R., Le Flem, G., Hagenmuller, P. The structures of the Na<sub>3</sub>Ln(XO<sub>4</sub>)<sub>2</sub> phases (Ln=rare earth, X=P, V, As) 1-28571
- Vlatski, F.D.** *see* Baldin, B.Yu. 1-34484
- Vleck, M.** A regular serial and parallel 2n-pole connection in cascade parameters 1-27202
- Vliet, K.M.** *see* van Vliet, K.M.
- Vliet, P.** *see* Van Vliet, P.
- Vliet, R.G.** *see* van Vliet, R.G.
- Vlim, J.** On the problem of non-parallel electrodes of a measuring capacitor 1-38273
- Vlugt, D.N.** 10 kV XLPE extruded cables and their testing programmes 1-43688
- Vobe, K.** Vacuumeter for high and ultrahigh vacuum 1-32525
- Vodakov, Yu.A.** A high temperature cementless strain gauge element based on epitaxial silicon carbide 1-48062
- Vodichev, V.I.,** Benenson, E.I., Velikovich, V.I., Rabinovich, A.V., Yazov, P.A., Budnyatskii, D.M., Safonov, L.P. TK-450/500-68(60) district-heating turbines for nuclear heat and power stations 1-30909
- Vodicka, V.** *see* Ruscheweyh, H. 1-30953
- Vodop'yan, L.L.** *see* Limonov, Yu.M. 1-42746
- Vodop'yanov, K.L.,** Malyutin, A.A. Generation of ultrashort pulses of duration determined by the spectral width in a pulsed actively mode-locked YAG:Nd<sup>3+</sup> laser 1-28697
- Vodovotov, I.A.** *see* Vasil'yev, B.A. 1-34024
- Vodovnik, L.** Therapeutic effects of functional electrical stimulation of extremities 1-43368
- Vodovozov, V.M.** *see* Andreev, A.B. 1-31488
- Voegeli, F.A.,** Pincok, D.G. Determination of fish swimming speed by ultrasonic telemetry 1-30580
- Voelk, W.** The way to new communication services 1-29271
- Voelkel, L.** Error diagnostic by signal evaluation 1-32281
- Voelker, F.** *see* Avery, R. 1-42826
- Voelskow, M.** *see* Klages, R. 1-32620
- Voermans, A.B.** *see* Verhulst, A.G.H. 1-46443
- Voge, D.** *see* Dennis, R.B. 1-28775
- Voge, J.B.** *see* Harrison, C.G. 1-51237
- Vogel, A.** Contribution of space technology to earthquake prediction research 1-52930
- Vogel, J.** *see* Gillert, H. 1-50166
- Vogel, J.M.,** Zimmer, J. Possibilities of the future use of electroheat in industry with special emphasis on the substitution of oil by electric energy from coal and/or nuclear energy 1-31696
- Vogel, P.** Thick-film hybrid circuits characteristics, manufacture and application 1-40331
- Vogel, R.A.** *see* LeFree, M.T. 1-34597
- Vogel, W.** Vector optimization without the use of functions 1-44943
- Vogel, X.** Oil-cooled traction converters 1-53738
- Vogelsang, E.** The 3x400 MW steam power plant Ulsan—execution of the contract and experience gained 1-30984
- Vogelsberg, D.** SZ-twisting and stranding by the double-twister method 1-35650
- Voges, E.** *see* Neyer, A. 1-33086
- Voglair, F.,** Legrand, M. Dry low voltage capacitors 1-45724

- Vogler, H. *see* Blass, B. 1-43865
- Vogt, D. Designing electrical installations according to DIN 18015, Part 1/4.80 and Part 2/12.80(1) 1-31840
- Vogt, H. *see* Zimmer, G. 1-40715, 1-51017
- Vogt, R. *see* Hoffmann, K. 1-40660, 1-44673
- Vogt, W.G. *see* Shanblatt, M.A. 1-53041
- Vogtlin, G.E. *see* Kulke, B. 1-48339
- Vohl, P. Vapor-phases epitaxy of GaInAsP and InP 1-39794
- Vohrer, M. Mobile tester SMFP for automatic transceiver testing 0.4 through 1000 MHz 1-29984
- Voichenko, G.I. *see* Surdu, M.N. 1-30193
- Voicu, N. *see* Iordache, M. 1-36059
- Voigt, D. A PCM type metering unit with magnetic tapes to record and evaluate interference 1-52423
- Voil, G.F. *see* de Voil, G.F.
- Voillaume, J.C. *see* Grassot, F. 1-51771
- Voinea, D. *see* Stoleru, B. 1-49943
- Voinov, E.M. *see* Babichev, A.P. 1-51380
- Voinov, V.G., Gershkovich, Ya.M. Portable television broadcasting units at Olympiad 80 1-38028
- Voinov, V.R., Ivanov, S.A. Determination of the characteristic impedances of a coupled strip line 1-36317
- Voitovetskii, V.K., Karmaz', V.V., Korsunskii, I.L., Naumov, I.V., Novikov, A.I., Pazhin, Yu.F., Pshonkin, Yu.N., Samarina, P.F. Installation for studying transient processes of resonance interaction of gamma rays with nuclei 1-30374
- Voitovich, A.P. *see* Bertel', I.M. 1-51359
- Voitsekhovskii, A.V., Lilenko, Yu.V., Petrov, A.S. Effect of irradiation with high-energy protons on the electrophysical and recombinative properties of  $Hg_{1-x}Cd_xTe$  1-27801
- Vojak, B.A., Holonyak, N., Jr., Laidig, W.D., Hess, K., Coleman, J.J., Dapkus, P.D. Phonon contribution to metalorganic chemical vapor deposited  $Al_xGa_{1-x}As$ -GaAs quantum-well heterostructure laser operation 1-37143
- Vojak, B.A., Laidig, W.D., Holonyak, N., Jr., Camras, M.D., Coleman, J.J., Dapkus, P.D. High-energy (visible-red) stimulated emission in GaAs 1-37140
- Vojak, B.A. *see* Anderson, E.R. 1-33221
- Vojak, B.A. *see* Dapkus, P.D. 1-33219
- Vojak, B.A. *see* Laidig, W.D. 1-46753
- Vojdani, S. *see* Driesen, H. 1-53319
- Vokey, D.E. A means for monitoring and protecting outside cable plant against moisture 1-33919
- Voksimovic, V., Fisher, C.R. Distinctive aspects of the HTGR 1-53203
- Voland, H. *see* Streuber, M. 1-49426
- Volchenko, S.A. *see* Gorislavets, Yu.M. 1-49804
- Vol'dyrev, V.T., Shinkarenko, G.V. A two-phase reversal of a converter in a twelve-phase cascaded bridge DC current transmission circuit 1-31317
- Volf, Z. Estimation of the growth of telegraphic traffic 1-29374
- Volfhein, S.P., Gromov, E.M., Korop, B.V., Spektor, N.A., Yaroslavskiy, L.I. A multiplexer for the general-purpose channels of the DUMKA equipment 1-41916
- Volfova, E. *see* Fidler, Z. 1-46353
- Volfson, V.L. Distributed control in systems with time reserve 1-41973
- Volgin, L.I. Topological interrelation between impedance converter circuits 1-45493
- Volgyesi, S. *see* Pakay, P. 1-38262
- Volk, G. *see* Praeg, W. 1-42914
- Volk, G.J. *see* Potts, C.W. 1-43173
- Volk, G.J. *see* Rauchas, A.V. 1-42959
- Volk, G.J. *see* Suddeh, D.E. 1-48375
- Volker, E.-J. The design of sound systems—calculations and estimations 1-47836
- Volker, P. *see* Pfeiffer, W. 1-36712
- Volkhonskii, L.A., Efremov, V.I., Nikulin, A.A. Electrical and thermal processes in electroslog furnaces 1-31713
- Volkmann, D.J. Crucial energy decisions for Western Europe 1-44629
- Volkov, A.P. Constructional experiences of the second stage at Kola Nuclear Power Plant [type VVER-440] 1-30894
- Volkov, A.P. Kola nuclear power plant, the first-born of nuclear power industry in Zapolaria 1-34999
- Volkov, A.S. *see* Grebennik, V.S. 1-39836
- Volkov, A.Yu. *see* Vedenev, A.A. 1-33172
- Volkov, B.S., Ivanov, L.V., Krupnov, V.E., Matveev, V.A., Polikarpov, V.M., Tolkachev, D.A., Fedotov, O.P., Khlopov, S.G. Hardware programmed filtration of pictures from a hydrogen chamber in a regime of minimal target designation 1-52722
- Volkov, E.P. *see* Zhidovich, O.V. 1-53272
- Volkov, I.I., Ageev, A.S. Optimum selection of Laguerre filter parameter in statistical identification 1-47180
- Volkov, V.I. *see* Baldin, A.M. 1-42889, 1-48569
- Volkov, V.V. *see* Bogachev, B.I. 1-41154
- Volkova, L.V. *see* Kostylev, V.A. 1-31740
- Vollaro, A. De Lieto *see* De Lieto Vollaro, A.
- Vollath, D. The application of a normalized correlation function in image analysis 1-41465
- Vollenweide, W. Experiences with semi-customised ICs 1-36408
- Vollmer, H. *see* Deluca, J.C. 1-36812
- Vollmer, H.D. *see* Mayr, M. 1-28743
- Vollmer, H.-P. *see* Arnold, G. 1-37128
- Vollmer, H.-P. *see* Wolk, C. 1-37127
- Volluet, G. *see* Castera, J.P. 1-36830
- Volluet, G. *see* Ravinet, P. 1-36719
- Volman, V.I. The transfer matrix of a branching network 1-39861
- Vol'man, V.I. Control of the structure of an electromagnetic field in an inhomogeneously magnetized ferrite medium 1-41183
- Volodin, A.A., Mal'shakov, V.G., Nagaev, A.I., Parygin, V.N. Determination of the resolving power of spatial modulators of light 1-36976
- Volocho, V.G. *see* Bayanov, B.F. 1-48465
- Voloshin, V.A., Gorobets, N.N. Area utilisation factor of small-aperture antennae 1-37368
- Voloshina, V.I., Gorbunov, A.I., Danilyuk, V.S., Ostrikov, A.S. Acoustic instrument for determining the position of a developing flaw 1-36009
- Volovik, O.B. *see* Bystruev, A.K. 1-39080
- Volovik, V.D. *see* Batygin, Yu.V. 1-52646
- Voltenkov, A.I., Red'ko, V.P. Determination of the parameters of one-mode diffused waveguides 1-28476
- Volyar, A.V. *see* Panchenko, V.B. 1-40926
- Volynets, N.P., Galun, B.V. Generator of nanosecond pulses with a high repetition frequency 1-27352
- Volyuchenko, N.P. *see* Tsaryuk, A.K. 1-49835
- Volz, H. Amplitude statistics of magnetic tape recording 1-46419
- Vol'zhonok, N.D. *see* Krisyuk, E.M. 1-30331
- Vomel, M. Vibration pick-ups with electret 1-52440
- Vomvoridis, J.L. Self-consistent analysis of the self-resonant electron-cyclotron linear accelerator 1-48413
- Vomvoridis, J.L. *see* Sprangle, P. 1-28605, 1-41035
- von Allmen, M. *see* Lau, S.S. 1-36524
- von Alpen, U., Bell, M.F., Kruger, F.J. Investigation of the Li-Bi<sub>2</sub>O<sub>3</sub> battery system using the AC impedance technique 1-44346
- von Baeckmann, A. The application of modern methods and techniques in safeguards operations 1-48619
- von Bechen, P. Speech synthesis: techniques—devices 1-51795
- von Bonin, E., Kriechbaum, K. Advanced methods of circuit-breaker engineering 1-35317
- Von Borcke, U. *see* Pottenpaul, E. 1-40535
- von Borstel, E. *see* Billing, M. 1-42862
- von Borstel, E. *see* Seeman, J. 1-43023
- von Borstel, E. *see* Sundelin, R. 1-43084
- von Bradke, M. *see* Henne, R. 1-31479
- von Brockdorff, C. Measurements on frequency-changing twoports [networks] 1-30172
- von Dardel, G. *see* Cockerill, D. 1-43233
- von der Schmitt, H., Aufhaus, H. The computer control software for MAMI 1-48320
- von der Weyden, H. The PABX in the central point of communication 1-47488
- Von Dessonneck, K. *see* Yeats, R. 1-37043
- Von Drachenfels, W. *see* Althoff, K.H. 1-42878
- Von Engel, A. *see* Dixon, A.J. 1-38401
- Von Essen, R., Hinsen, R., Spruss, K.H., Silny, J., Merx, W., Meyer-Erkelenz, J.D., Rau, G., Effert, S. Automated mapping of ECG surface potentials in detection of ischemia during stress test 1-52787
- Von Fournier, U., Uhlemann, K. Auxiliary power supply for industrial and heat and power stations 1-30669
- Von Grunigen, D.C. *see* Brugger, U.W. 1-45469
- Von Gulich, M. *see* Schindler, J.G. 1-48673
- Von Helmolt, C.H. SAWDIF: surface-acoustic-wave-driven interferometer 1-40958
- Von Helmolt, C.H., Schlaak, H.F., Kersten, R.T. SAWDIC: surface-acoustic-wave driven directional coupler 1-40957
- Von Hohenbalken, B. Finding simplicial subdivisions of polytopes 1-44996
- Von Knobloch, H.E. *see* Berndt, G. 1-44418
- Von Mollendorff, H. The development of the control technique of d.c. tractive units 1-35431
- Von Molnar, S., Tarascon, J.M., Etournau, J. Transport and magnetic properties of carbon doped EuB<sub>6</sub> 1-45956
- Von Oertzen, W. *see* Lettau, H. 1-38456
- Von Olshausen, R., Sachs, G. AC loss and DC conduction mechanisms in polyethylene under high electric fields 1-28141
- Von Olshausen, R., Westerholt, H. Volume effects at AC breakdown of polyethylene test samples 1-28151
- Von Pragenau, G.L. Large step integration for linear dynamic systems 1-39722
- Von Reyn, T. *see* Scharf, L.L. 1-37633
- Von Roedern, B. *see* Modell, G. 1-45896
- Von Roos, O. The 'depletion layer' of amorphous p-n junctions 1-40441
- Von Ruschkowski, E. *see* Blass, B. 1-43865
- Von Seefeld, H. *see* Cheung, N.W. 1-53630
- von Seggern, H. Thermally stimulated decay of negatively charged Teflon-FEP 1-32104
- von Seggern, H. *see* Gross, B. 1-32101
- von Shau, P. *see* Fellmann, K.-H. 1-40294
- Von Sichart, F. A PCM coupler module with a double store architecture 1-47492
- Von Thun, H.-J. Brake testing machine with moment-of-inertia simulation 1-31859
- von Tluck, W. *see* Graf, P. 1-30135
- Von Tubeuf, M. *see* Ertl, W. 1-49321
- Von Vignau, R., Wolber, J. Bildschimmtext. Proposals for a future system 1-33779
- Von Voss, W.D. *see* Lau, J.A. 1-27736
- Vonach, H. *see* Derndorfer, C. 1-52680
- vonBorstel, E. *see* Rice, D. 1-42989
- Vonderembse, M.A. Production planning for master slab casters in the steel industry 1-35857
- Vondra, V. *see* Oskrdal, K. 1-30961
- Vondrak, M. Artificial network used for measuring of the industrial sources of noise 1-30247
- Vonka, V., Hoornstra, J., Oldengarm, J. A new technique to improve the accuracy of LDA tracker measurements 1-48265
- Voork, R.W. *see* Singh, B. 1-32460
- Voorman, J.O. Analog filters—from LC filters, via hybrid implementation, to monolithic integration 1-27482
- Voos, H. Telecommunications and facsimile 1-47359
- Voos, J. From 300000 km/s to 60 km/h. Current situation and medium-term prospects of transport by electric vehicles 1-35429
- Vopalensky, V. Experimental application of system E-10 for automation of nodal telephone network in Czechoslovakia 1-42058
- Vorhaus, J.L., Pucel, R.A., Tajima, Y., Fabian, W. A two-stage all monolithic X-band power amplifier 1-32217
- Vorhaus, J.L. *see* Ayasli, Y. 1-36342
- Vorlander, F., Carlton, F. Energy control management of lighting systems 1-35507
- Vorndran, E. Maintenance of electrical machines 1-31161
- Vorndran, E.P. Travelling field motors construction, mode of operation and application 1-35194
- Vorndran, E.P. Behaviour and starting methods of squirrel cage induction motors 1-38977
- Vorndran, E.P. Aspects on the choice and use of electric motors 1-53361
- Vorobel', R.A. A digital approximating device using segments of exponential functions 1-27068
- Vorobel', R.A., Malachivskii, P.S., Popov, B.A. A functional converter employing sum approximation of a linear function and an exponential curve 1-27069
- Vorob'ev, A.V., Elkhov, V.A., Klimov, I.I., Morozov, V.N., Pak, G.T., Popov, Yu.M., Shidlovskii, R.P., Yashumov, I.V. Recording of holograms using semiconductor laser radiation and a holographic selector 1-51526
- Vorobe, G.A. On electric breakdown of solid dielectrics 1-40733
- Vorob'ev, L.E., Galetskaya, A.D., Manchinskii, A.M., Farshtein, I.I., Shalygin, V.A., Shturbin, A.V. Exclusion effect in tellurium 1-36466
- Vorob'ev, V.A., Golovanov, V.E., Golovanova, S.I. A radiation method of determining the granulometric composition of the grain components of composition materials 1-36011
- Vorob'ev, V.M. *see* Azarenkov, N.A. 1-37320
- Voro'bev, V.V., Gorbunov, A.F., Kolesnikov, E.V., Khlebnikov, S.D. Experimental investigation of the magnetic field distribution in frame-shaped magnetic circuits of three-phase transformers 1-44144
- Vorobeychikov, E.S., Gusev, V.G., Poyznar, B.N., Popov, L.N. Use of synchronization regime for determining laser parameters 1-46693
- Vorobiev, V.M., Kondratenko, A.N. On the theory of asymmetrical oscillation excitation in nonuniform waveguides by charged particle flows 1-28929
- Vorobyov, A.A. *see* Burq, J.P. 1-52679
- Voronin, E.N. *see* Grinev, A.Yu. 1-37375, 1-51229
- Voronin, S.G., Korabel'nikov, A.N., Shumikhin, B.G. A relay-pulse speed controller for DC motors 1-31251
- Voronin, S.G. *see* Lifanov, V.A. 1-44114
- Voronin, Yu.V., Gusev, V.K., Roslova, M.L., Tolroganov, V.K., Fedorov, V.B., Khodyukov, Yu.S., Shilov, I.A. Matrix of light sensitive triggers for data reading in optoelectronic stores 1-41007
- Voronina, S.A. *see* Artyushenko, V.G. 1-28421
- Voronkov, V.B., Lebedev, A.A., Mamadalimov, A.T., Urubayev, B.M., Usmanov, T.A. Investigation of the parameters of iron levels in n-type Si by capacitance methods 1-32621
- Voronkova, V.I. *see* Yanovsky, V.K. 1-39740
- Voronov, M.V. Software for planning processes and rapid control of TV show preparation 1-34090
- Voronov, V.V. *see* Dorosh, I.R. 1-46811

- Vorontsov, G.A.** Automation of spot-arc welding in crane building 1-50001
- Vorontsov, G.P.** *see* Ageyev, A.I. 1-42866
- Voros, A.** The transfer function of the zero order holding circuit if in the holding period the termination is not lossfree 1-39880
- Voroshitov, S.B.,** Dmitrievsky, V.P. Calculation of beam injection and modes of acceleration for the JINR phasotron 1-42810
- Vorotyntsev, M.A.** *see* Kornyshev, A.A. 1-45954
- Vorst, A.** *see* Vander see Vander Vorst, A.
- Vortman, L.J.** *see* Stearns, S.D. 1-43433
- Vorwerk, H.,** Zuchold, W. The voice communication equipment series 'KF mini S' 1-29640
- Vorzobova, N.D.** *see* Andreev, R.B. 1-41164
- Vos, A.** *see* De Vos, A.
- Vos, L.** Automated injection procedure for the CERN intersecting storage rings (ISR) 1-48379
- Vos, L.** *see* Gamble, J. 1-48317
- Vos, L.** *see* Hemery, J.-Y. 1-43005, 1-48479
- Vos, L.** *see* Hofmann, A. 1-48510
- Vosicki, B.,** Bjornstad, T., Carraz, L.C., Heinemeier, J., Ravn, H.L. Intense beams of radioactive halogens produced by means of surface ionization 1-52655
- Voskamp, G.W.** Solar power stations in Spain 1-38931
- Voskamp, G.W.** Small solar power stations will soon compete 1-49357
- Voskamp, G.W.** Survey of the most interesting solar power stations 1-49358
- Voskoboinikov, B.S.** Automatic monitoring devices for machine tool modules 1-39235
- Voss, D.** *see* Potts, C. 1-48376
- Voss, E.** *see* Spingler, H. 1-44120
- Voss, G.A.** Space charge effects in PETRA 1-48517
- Voss, G.A.** *see* Degele, D. 1-43142
- Voss, G.A.** *see* Rossbach, J. 1-42785
- Voss, H.** Energy conservation using axial-flow compressors for process-gas applications 1-44563
- Voss, J.** *see* Steiger, F. 1-30632
- Voss, R.** Buried or concealed wiring installations with shortcomings and defects 1-30720
- Voss, R.** Details of a flush installation, with suggestions [domestic wiring] 1-49080
- Voss, R.F.** Uncertainty principle limit to the energy sensitivity of SQUID's and other linear amplifiers 1-28314
- Voss, R.F.,** Webb, R.A. Macroscopic quantum tunneling in 1- $\mu$ m Nb Josephson junctions 1-46477
- Voss, R.G.P.** The present status of the Daresbury Nuclear Structure Facility 1-43122
- Voss, U.** *see* Berndt, G. 1-44418
- Voss, W.D.** *see* von Voss, W.D.
- Vostroknutov, N.N.,** Gitis, E.I., Konikov, A.I., Mogueva, O.V., Sobkin, B.L., Taube, B.S. Use of programmed simulation for state acceptance tests 1-52352
- Votano, L.** *see* Basile, M. 1-43250, 1-43251
- Votrubia, J.** *see* Giordano, S. 1-43015
- Votta, L.G.** Multicomputer networks: the response time distributions 1-29458
- Vought, C.D.** *see* Zalay, A.D. 1-33299
- Voukalis, D.C.** A powerful concatenated matrix code using cyclic product and matrix codes 1-51779
- Voute, C.L.,** Wolfgang, F., Leu, G. Measurement of membrane potential in isolated small cells with the help of a peak detector 1-42715
- Vova, V.E.** *see* Petrov, B.N. 1-38547
- Vovk, Yu.V.,** Shchepetkin, Yu.A. Use of frequency separation of signals in recording one-dimensional holograms by semiconductor laser radiation 1-41151
- Vowinkel, B.,** Peltonen, J.K., Reinert, W., Gruner, K., Aumiller, B. Airborne imaging system using a cryogenic 90-GHz receiver 1-42620
- Voy, D.** *see* Flora, R. 1-42830
- Voyner, Z.F.** Design and performance of a 16-port Butler matrix for despun satellites 1-41434
- Voyner, Z.F.,** Howe, B., Craig, A.D., Sheppard, J., Kennerley, W.M. Near-field probe-scanning antenna measurement facility 1-41400
- Voysey, H.** A mixed equipment world 1-37729
- Voytovich, N.N.,** Savenko, P.A. Synthesis of antennas from a specified amplitude pattern and related problems in quasi-optics (review) 1-33394
- Vrana, M.** *see* Kulda, J. 1-30301
- Vranesic, Z.G.** Applications and scope of multiple-valued LSI technology 1-27464
- Vrazhnov, V.N.** *see* Martensiten, S.I. 1-47344
- Vrazhnov, V.N.** *see* Vladimirskaia, E.L. 1-37707
- Vrba, J.** Using microstrip resonators in the design of microwave circuits 1-36335
- Vrba, K.** Precise electronic choppers 1-27246
- Vrba, K.** A noninverting amplifier with electronically switched feedback 1-36287
- Vrba, K.** Feedback circuit of an operational amplifier featuring an electronic input switch 1-39955
- Vrba, K.** An operational amplifier with electronic switches at the input and output 1-50442
- Vrba, K.,** Vrba, R. Accurate inverters with high input resistance 1-27280
- Vrba, K.,** Vrba, R. An earthed analogue switch 1-32478
- Vrba, R.** *see* Vrba, K. 1-27280, 1-32478
- Vrba, V.** *see* Vasiliev, V.V. 1-48466
- Vries, J.** *see* De Vries, J.
- Vries, W.** *see* De Vries, W.
- Vroomen, L.J.** *see* Zsombor-Murray, P.J. 1-34560
- Vry, M.G.,** van Gerwen, P.J. Digital signal transmission to the subscriber using a 1+1 system 1-42142
- Vsevolozhskaya, T.** *see* MacLachlan, J.A. 1-43071
- Vsevolozhskaya, T.A.** *see* Bayanov, B.F. 1-48465
- Vu Ho Quoc** *see* Quoc Vu Ho
- Vu Quoc Ho, Sugano, T.** An improvement of the interface properties of plasma-anodized SiO<sub>2</sub>/Si system for the fabrication of MOSFETs 1-50836
- Vucetic, B.** Evaluation of the Gallager adaptive convolutional codes on real channels 1-47112
- Vucetic, B.** Measurement statistics of error detection in digital data transfer channels 1-47436
- Vucetic, B.S.** Parallel analysis of codes for error correction 1-29101
- Vucins, V.** *see* Gierzt, H. 1-29736
- Vuillermoz, B.,** Nolf, M., Toudic, Y. Piezoelectric behavior of different home made polyvinylidene fluoride films 1-51046
- Vukovic, D.** *see* Nozica, Z. 1-35668
- Vukovic, Z.,** Jozic, M., Caric, A., Horvat, M. ACT-E—an extension of AX family [electronic switching systems] 1-37817
- Vukovic, Z.** *see* Sever, S. 1-35790
- Vul', A.Ya.** *see* Arutyunyan, V.M. 1-32600
- Vulcan, A.** *see* Tanski, W.J. 1-36759
- Vuletic, T.** *see* Derenzo, S.E. 1-34575
- Vullhorst, H.** Decabit—the new audiofrequency-control system in the Bewag 1-34741
- Vuong, X.T.,** Henchey, M.A. On the accuracy of the Shimbo approach to intermodulation and crosstalk calculations 1-46959
- Vuorinen, M.** On the existence of angular limits of n-dimensional quasiconformal mappings 1-35796
- Vural, A.M.,** Stark, M.T. A summary and the present status of adaptive array processing techniques 1-33411
- Vvedenskiĭ, V.N.** *see* Timoshenko, G.M. 1-49274
- Vyas, A.L.,** Indiresan, P.V. Performance evaluation of a new robust detector for sonar signals 1-37979
- Vyas, G.D.** *see* Chandra, H. 1-46869
- Vyas, H.** *see* Hartranft, M.D. 1-40724
- Vyas, N.M.,** Brauer, R.C. Medium-voltage controllers show advantages over circuit breakers 1-44312
- Vyatkin, K.V.** *see* Shotov, A.P. 1-37150
- Vyatskov, I.A.** *see* Grebennik, V.S. 1-39830
- Vyborny, R.** Mean value theorems and a Taylor theorem for vector valued functions 1-50187
- Vydyanath, H.R.** *see* Mroczkowski, J.A. 1-32061
- Vygodskii, E.M.** *see* Kochin, A.E. 1-52665
- Vyse, B.,** Levinson, H. The stability of magnetrons under short pulse conditions 1-36433
- Vyshlov, V.A.,** Piorunskii, A.N., Kolotiev, A.G., Khantsev, E.A. Differential vibrating string transducer for linear displacements 1-52576
- Vyskirk, A.S.** *see* Bronitskii, M.A. 1-34821
- Vysotskiy, M.G.** *see* Vasil'yev, B.A. 1-34024
- Vystavkin, A.N.** *see* Aleksandrov, I.V. 1-28475
- Vystavkin, A.N.** *see* D'yakov, V.P. 1-29824
- V'yun, V.A.,** Levin, M.D. Acoustoelectronic memory in a GaAs-LiNbO<sub>3</sub> structure 1-28212
- Waaben, S.** FET switching devices for powering of telecommunications circuits 1-41879
- Waal, H.** *see* De Waal, H.
- Waal, V.J.** *see* de Waal, V.J.
- Waast, B.** *see* Bretonneau, P. 1-42843
- Wach, P.,** Mandl, H., Kuttner, J., Schuy, S. A mobile overload-protected, single-tank X-ray generator for 17 kW short-time rated power output 1-34569
- Wachler, K.,** Buhss, U. The formation of the address word for a video data unit which is compatible with TV systems 1-42449
- Wachter, H.** *see* Reuter, W. 1-31730
- Wachter, P.** *see* Boppert, H. 1-46380
- Wacker, P.F.** Unified theory of near-field analysis and measurement: scattering and inverse scattering 1-37292
- Wacks, K.P.,** Hill, F.J., Masud, M., de Bruyn Kops, P. The evolution of an LSI device modeling system 1-36666
- Waclawek, W.,** Zabkowska, M. Apparatus for the measurement of thermoelectrical properties 1-34360
- Waclawek, W.,** Zabkowska, M. Electrical properties of some phthalocyanine thin films 1-40432
- Waclawek, W.** *see* Marciniak, B. 1-35959
- Wada, H.,** Aiya, T., Maruyama, O., Matsumoto, H. A suggestion of condification for one bit error correction 1-41516
- Wada, H.** *see* Inoue, K. 1-40844
- Wada, J.A.** *see* Ninomiya, S. 1-43364
- Wada, M.,** Itoh, K., Shimizu, H., Sugino, T., Teramoto, I. Very low threshold visible TS lasers 1-37131
- Wada, M.** *see* Shimizu, H. 1-37129
- Wada, M.** *see* Sugino, T. 1-37125
- Wada, M.** *see* Takahashi, Y. 1-52534
- Wada, M.** *see* Uchida, T. 1-40975, 1-42704
- Wada, M.M.** A dogleg 'optimal' channel router with completion enhancements [IC layout] 1-46264
- Wada, R.,** Alonso, J.R. Metallic wedge degraders for rapid energy measurement of Bevalac heavy ion beams 1-42942
- Wada, R.** *see* Leemann, B.T. 1-43073
- Wada, T.** A new recoil implantation in Si using electron bombardment 1-40503
- Wada, T.,** Uemura, S., Kitamura, N. High resistivity layers in GaP, GaAs and GaAsP using electron bombardment 1-27833
- Wada, T.,** Yamanaka, H., Sakamoto, M., Yamamoto, H., Matsue, S. A 16-DIP 64 Kb static MOS RAM 1-27471
- Wada, T.** *see* Kitamura, N. 1-39799
- Wada, T.** *see* Saito, K. 1-40255
- Wada, T.** *see* Shen, J. 1-39801
- Wada, Y.,** Antoniadis, D.A. Anomalous arsenic diffusion in silicon dioxide 1-46014
- Wada, Y.,** Hisamoto, Y., Mizukami, K., Migitaka, M. Studies on an electron-beam mask-defects inspection 1-40672
- Wada, Y.,** Hisamoto, Y., Mizukami, K., Migitaka, M. Studies on an electron-beam mask-defect inspection system 1-50980
- Wada, Y.,** Migitaka, M., Hisamoto, Y., Mizukami, K. Fast and accurate electron-beam deflection circuits using two kinds for D-A converters 1-38362
- Wada, Y.,** Sunami, H., Hashimoto, N. Electrical testing for process evaluations [MOS LSI] 1-36692
- Waddington, C.J.** *see* Binns, W.R. 1-48604
- Waddoup, W.D.** *see* Barton, P. 1-29807
- Wade, C.** *see* Duerr, J.R. 1-29475, 1-37756, 1-47396
- Wade, G.,** Mensa, D. Pulse echo and Doppler reconstructive tomography 1-30420
- Wade, G.** *see* Su, K.Y. 1-36737
- Wade, T.E.** Multilevel metal interconnect for VLSI circuits using polyimide dielectrics 1-40524
- Wade, T.E.** *see* Trotter, J.D. 1-36652
- Wadge, A.J.** Filament displays 1-52537
- Wadhwa, L.C.** Management practices survey in Australian companies 1-49920
- Wadhwa, R.P.** An approach to reliability in measurements in India 1-38079
- Wadhwa, R.P.** Role of standardisation testing and quality control 1-50024
- Wadhwa, R.P.** *see* Anandan, M. 1-50734
- Wadlinger, E.A.** Buncher system parameter optimization 1-43044
- Wadner, P.J.** On-board computing—using spacecraft microcomputer modules 1-48825
- Waechter, D.A.,** Wolf, M.A., Umbarger, C.J. Hand-held gamma-ray spectrometer gun 1-34546
- Wael, L.** *see* De Wael, L.
- Wagai, T.** *see* Hayakawa, Y. 1-43303
- Wagano, Y.** *see* Nakamura, K. 1-35142
- Wagers, R.S.** PVF<sub>2</sub> elastic constants evaluation 1-32957
- Wagers, R.S.,** Goll, J.H. Dispersion and multimoding in monolithic elastic convolvers 1-32932
- Wagg, M.W.** *see* Bloch, P.D. 1-36773
- Wagh, M.D.,** Morgera, S.D. Cyclic convolution algorithms over finite fields: multidimensional considerations 1-37622
- Wagh, M.D.** *see* Morgera, S.D. 1-33502
- Waglund, G.** *see* Olwegard, A. 1-48958
- Wagner, A.** Central detectors 1-38435
- Wagner, D.** High resolution optical surface microtopography 1-50979
- Wagner, D.** *see* Pfeffer, E. 1-50692
- Wagner, E.,** Moraw, G. The use of ZnO surge diverters on the Austrian extra high voltage network 1-34944
- Wagner, E.** *see* Angerstein, J. 1-41083
- Wagner, E.** *see* Fischer, E. 1-35993
- Wagner, G.W.** *see* Lindsey, R.E. 1-37819
- Wagner, H.** Addition of coded digital information to TV signals 1-33780
- Wagner, H.** *see* Hinkel, H. 1-52597
- Wagner, H.-F.** Long-term aspects of the energy supply 1-34972
- Wagner, J.K.,** Trutt, F.C. Interactive relay coordination using microcomputer graphics 1-38806
- Wagner, M.** Automatic labelling of continuous speech with a given phonetic transcription using dynamic programming algorithms 1-41604
- Wagner, M.** Optimal cooling—but how? The selection of fans for cooling electric or electronic units 1-49393
- Wagner, R.A.** *see* Gilden, M. 1-36765

- Wagner, R.A. *see* Grudkowski, T.W. 1-36802
- Wagner, R.C. The engineer as CEO or perils of small business management 1-31822
- Wagner, R.E. *see* Stolen, R.H. 1-40942
- Wagner, R.E. *see* Tomlinson, W.J. 1-36930
- Wagner, R.F. *see* Slater, P.N. (editor) 1-44598
- Wagner, U. Aspects of the correlation between raw material and ferrite properties. II 1-32969
- Wagner, W., Zierl, R., Kienle, P., Korner, H.J., Rehm, K.E., Sperr, P., Rohrer, L. The picosecond bunching system at the Munich MP tandem accelerator 1-43127
- Wagner, W.D., Claus, R. Phase matching for difference frequency generation in the view of spontaneous Raman scattering by hot polaritons 1-33279
- Wagner, W.D.P. *see* Nelson, T.J. 1-28257
- Wagner, W.R. *see* Anthony, P.J. 1-32752, 1-37158
- Wagner, W.R. *see* Cheng, K.Y. 1-35946
- Wagner, W.R. *see* Swaminathan, V. 1-45920
- Wagner, W.S. Audio-visual controller synchronizes museum display 1-52310
- Waheed, A., Gul, K., Ahmad, M., Saleem, S.M., Khan, N.A. A method for absolute neutron detection efficiency of NE 213 liquid scintillation detector 1-38428
- Wahl, F. *see* Kitahashi, T. 1-29201
- Wahl, F.E. *see* Perloff, D.S. 1-27935
- Wahl, R. *see* Byrnes, H. 1-36846
- Wahsh, S. Harmonic analysis by Park vectors of induction motor drives with a PWM inverter 1-53708
- Wai Y. Ng Generalized generation distribution factors for power system security evaluations 1-34781
- Wai-Hon Lee Method for converting a Gaussian laser beam into a uniform beam 1-28762
- Wai-Hung Ng Use of error patterns in coded communication systems 1-29083
- Wai-Kai Chen On factors of a digraph 1-44937
- Wai-Kai Chen *see* Shinoda, S. 1-35821
- Waight, J.G., Albuey, F., Bose, A. Scheduling of generation and reserve margin using dynamic and linear programming 1-43612
- Waight, J.G. *see* Bose, A. 1-53022, 1-53023, 1-53027, 1-53030
- Wainwright, A. Custom design in the 80s—the move to structured designing 1-40680
- Wainwright, A. *see* Reeve, G. 1-51723
- Wait, J.R. *see* Hill, D.A. 1-29597, 1-41234
- Wajnberg, S. *see* Notea, A. 1-45139
- Waka-Bayashi, S. *see* Kikuno, T. 1-39522
- Wakabayashi, H. *see* Mochizuki, K. 1-51165
- Wakabayashi, I., Fukumoto, A. Simulation study of a system for diagnosis of nuclear power plant operation 1-43876
- Wakabayashi, J., Fukumoto, A., Tashima, S., Kawahara, I. Application of adaptive Kalman filtering technique for the diagnostic system of nuclear power plants 1-30950
- Wakabayashi, T., Mihara, Y. Characteristics of the dominant mode in a dielectric tape line 1-46980
- Wakabayashi, T. *see* Awoyama, K. 1-47769
- Wakabayashi, T. *see* Sasaki, K. 1-52417
- Wakabayashi, Y. *see* Grottschel, M. 1-39583
- Wakahara, T., Shimada, S., Kanaya, F. New LSI digital service units and office channel units used for NTT digital data networks 1-29504
- Wakai, N., Fujii, S. A new field strength recorder with IC switching device of attenuator 1-43428
- Wakakuwa, H. *see* Kitada, K. 1-52418
- Wakamatsu, S., Koyama, S. Researches on energy system analysis. III. Study on energy system optimization model 1-35591
- Wakamatsu, S. *see* Mori, F. 1-26852
- Wakao, K. *see* Iga, K. 1-46762
- Wakao, K. *see* Moriki, K. 1-46735
- Wakata, H. *see* Saikan, S. 1-37214
- Wakaumi, H. *see* Tanigawa, H. 1-28132
- Wake, R.H. *see* Muehlechner, G. 1-34598
- Wakefield, B. *see* Robertson, M.J. 1-51467
- Wakefield, F.H.G. Next generation of BR multiple-units reverts to all-steel bodies 1-44441
- Wakerly, J.F. *see* McCluskey, E.J. 1-32303
- Wakino, K., Nishikawa, T., Ishikawa, Y. Miniaturized duplexer for land mobile communication using high dielectric ceramics 1-47571
- Wakita, K. *see* Imai, H. 1-51458
- Wakita, K. *see* Yamamoto, N. 1-40993
- Waks, S., Lindenlaub, J. Cognitive levels in a basic electrical engineering course 1-44620
- Waksberg, A. Range predictions for a CO<sub>2</sub> laser communication system 1-52101
- Wakui, H. *see* Kirisawa, K. 1-30019
- Wakui, K. Solid state imaging devices: today and tomorrow 1-52387
- Wakuri, T. On the distortion caused by level control action of an analog level compressor 1-37514
- Wakuta, Y., Matsuo, K., Nagao, A. Beam emittance measurements of magnetron type negative ion source 1-43195
- Wal, D.J. Van Der *see* Van Der Wal, D.J.
- Walach, E. *see* Zeheb, E. 1-33611, 1-45768
- Walaszek, S. Determination of reliability characteristics of commutational set with random state control and generalization of the solution to other sets of four states 1-29241
- Walcarius, H., Vandenput, A., Jordan, H., Geysen, W. Stability analysis of oscillating induction machines 1-49472
- Walcarius, H. *see* Geysen, W. 1-53406
- Walcher, Th. *see* Huck, B. 1-38331, 1-48438
- Walckiers, L. *see* Billan, J. 1-48530
- Walczak, J. On creep buckling analysis of structures 1-39690
- Wald, J. *see* Goble, L.G. 1-48002
- Wald, L.H., Chou, F.M., Hines, D.C. Recent progress in extraction of targets out of clutter 1-41687
- Waldbillig, J. *see* Brown, D.C. 1-37091
- Walden, D.C. *see* McQuillan, J.M. 1-29381
- Walden, J.P. *see* Chen, D.Y. 1-53553
- Walder, H.C. *see* Bales, T. 1-37689
- Waldhauer, H. An AF dynamic compressor circuit 1-38060
- Waldman, H. Tolerable Q-factor variations in PCM lines 1-46975
- Waldman, H., Souza, R.F., Arantes, D.S., Rogers, D.A. The development of digital communications technology at the State University of Campinas (UNICAMP)—Brazil 1-29319
- Waldman, J., Fetterman, H.R., Goodhue, W.D., Bryant, T.G., Temme, D.H. Submillimeter modeling of millimeter radar systems 1-47724
- Waldmeyer, W. New Philips measuring instruments for industry and research 1-40181
- Waldo, C.R. *see* Carroll, W.H. 1-44750
- Waldo, S. An ultraviolet radiation intensity meter 1-48088
- Waldrop, J.R. *see* Kowalczyk, S.P. 1-27855
- Waldschmidt, H. Humidity measurement in natural gas with specially conditioned Al<sub>2</sub>O<sub>3</sub> sensors 1-52601
- Waldeufel, P. *see* Misme, P. 1-28893
- Walek, M. Control of one-phase thyristor switches 1-49600
- Walendziewicz, E.T. *see* Terrill, W.A. 1-48912
- Wales *see* Secker, P.E. 1-31799
- Wales, C.P., Caulder, S.M., Simon, A.C. Effect of discharge current density on structure of the lead negative plate 1-31401
- Walesby, D.H. *see* Harborne, S.J. 1-51810
- Walewski, L.G. *see* Greenspan, S.B. 1-28462
- Walewski, L.G. *see* Kraft, W.R. 1-45393
- Walf, G. *see* Baack, C. 1-47809
- Walinger, E.A. *see* Lysenko, W.P. 1-42814
- Walke, B. On the status of packet switching technology. I. Review, specifications, cost appraisal 1-29303
- Walke, B. On the status of packet switching technology. II. Existing networks architecture of switching computers 1-29304
- Walker, A.J. *see* Watson, W.G. 1-49093
- Walker, C.G. Passive laser accelerometer 1-30129
- Walker, H. High temperature (Al<sub>2</sub>O<sub>3</sub>) insulation and light weight conductors 1-36726
- Walker, H.C., Jr. *see* Bischel, W.K. 1-51356
- Walker, J.B. Development of infrared techniques for testing spacecraft 1-34653
- Walker, K.L., MacChesney, J.B., Simpson, J.R. Reduction of hydroxyl contamination in optical fiber preforms 1-36936
- Walker, K.L. *see* Nagel, S.R. 1-36938
- Walker, L. *see* Oni, B. 1-43524
- Walker, L.N., Graham, H.L., Avijit Gupta, Yau, T., Raithel, R. Effects of battery storage devices on power system dispatch 1-30613
- Walker, L.N. *see* Yau, T. 1-34772
- Walker, M.S., Damiano, D.A., Hamilton, W.C., Wilcox, R.E., Zeitlin, B.A., Stuart, R.W., Heinrich, J.P., Linkinok, C.L. Nb<sub>3</sub>Sn conductors for 12 tesla toroidal field coils 1-28287
- Walker, M.S., Declercq, J.G., Zeitlin, B.A., Scudiere, J.D., Ross, M.J., Janocko, M.A., Singh, S.K., Ibrahim, E.A., Eckels, P.W., Rogers, J.D., Wollan, J.J. Superconductor design and loss analysis for a 20 MJ induction heating coil 1-31669
- Walker, M.S. *see* Heinrich, J.P. 1-28381
- Walker, P.A.W. *see* Hogg, B.W. 1-31178
- Walker, R. *see* Atac, M. 1-34442
- Walker, R. *see* Hartmann, R. 1-27386
- Walker, R.A. *see* Palmen, E.M. 1-34849
- Walker, R.J. *see* Kuchnir, M. 1-48393
- Walker, R.P. The operation of multipole magnets in the SRS 1-48384
- Walker, R.S., Crowe, D.V., Mayo, W.R. Synthetic multichannel time series for simulating underwater acoustic noise 1-42345
- Walker, R.S. *see* Kesler, S.B. 1-37977
- Walker, W. *see* Brown, H. 1-48364
- Walker, W.F. The measurement of electrical conductivity in carbon/epoxy composite materials over the frequency range of 75 MHz to 2.0 GHz 1-32094
- Walker, W.W. *see* Critchlow, D.L. 1-50942
- Walko, J. An open market for gate arrays 1-27398
- Walko, J. This is the age of the talking machine [speech synthesis] 1-29125
- Walko, J. Listening for a sound tomorrow 1-33726
- Walko, R.J., Bacon, F.M., Bickes, R.W., Jr., Cowgill, D.F., Boers, J.E., Riedel, A.A., O'Hagan, J.B. A 10<sup>13</sup>/s 14 MeV neutron generator for cancer therapy 1-48563
- Walko, R.J. *see* Bacon, F.M. 1-38527
- Walkup, J.F. *see* Kasturi, R. 1-28791, 1-29226
- Wall, D.L., Pearson, E.F., Mantz, A.W. Tunable diode lasers for industrial analysis and monitoring applications 1-52952
- Wall, D.L. *see* Thompson, G.L. 1-43614
- Wall, J.E., Jr., Willsky, A.S., Sandell, N.R., Jr. On the fixed-interval smoothing problem 1-51831
- Wall, T. *see* Cheetham, D. 1-43910, 1-53273
- Wallace, A.R.S., Whittington, H.R. Routing of submarine cables for wave power transmission 1-49125
- Wallace, C. Speed and positioning control for DC motors 1-53477
- Wallace, J.J. *see* Parker, A.C. 1-41958
- Wallace, J.N., Clarke, R. Load control of a 500 MW oil-fired boiler/turbine 1-43954
- Wallace, K.A. *see* Palmucci, C.J. 1-50409
- Wallace, M.S. *see* Blumer, A.C. 1-33447
- Wallace, M.S. *see* Davission, L.D. 1-41495
- Wallace, W. *see* Immarigeon, J.-P.A. 1-45135
- Wallace, W.E. *see* Merches, M. 1-51079
- Wallace, W.L. *see* Deb, S.K. 1-35375
- Wallace-Sims, G.R. Phase locked neutron chopper rotor drive system 1-48567
- Wallenberg, R., Burt, E., Dike, G. Electromagnetic coupling to advanced composite aircraft with application to trade-off and specification determination 1-33371
- Wallenstein, M. Turbogenerators with outputs up to 500 MW 1-31171
- Wallenstein, R. *see* Hilbig, R. 1-51514
- Waller, P.H. Forward converters operating directly off the three phase rectified mains suitable for exchange use [telecommunications power plant] 1-44237
- Walling, J.C. *see* Sam, C.L. 1-33214
- Walling, R.H. *see* Devlin, W.J. 1-51454
- Wallinga, H. *see* Bhattacharyya, A.B. 1-40096
- Wallingford, E.E. *see* Sarkady, A.A. 1-41715
- Wallis, R.H., di Forte Poisson, M.-A., Bonnet, M., Beuchet, G., Duchemin, J.-P. Effect of oxygen injection during VPE growth of GaAs and Al<sub>0.1</sub>Ga<sub>0.9</sub>As 1-50788
- Wallis, R.H. *see* Pinsard, J.L. 1-46169
- Wallo, M.J. *see* Arnold, H.S., Jr. 1-53151
- Wallrabe, A. An alarm unit 1-36293
- Wallraff, D. The effects of primitive size on the overall design of real-time digital audio signal processors 1-42478
- Wallraff, W. *see* Kadansky, V. 1-43239
- Walls, J.M. *see* Makh, S.S. 1-36572
- Walls, L.A. *see* Robertson, I. 1-44896
- Wallstein, R. *see* Fichaut, J. 1-42002
- Walmsley, D.G. *see* Nelson, W.J. 1-40477
- Walmsley, P. Israel's solar-energy programme 1-31099
- Waloschek, P. Fast trigger techniques 1-38452
- Walpita, L.M. *see* O'Connor, D.J. 1-36879
- Walpole, J.N. *see* Tsang, D.Z. 1-28709, 1-37162
- Walrafen, G.E., Krishnan, P.N., Freiman, S.W. Raman investigation of optical fibers under high tensile stress 1-46521
- Walsby, A.M. An array approach to fast raster graphics 1-48003
- Walsh, B.A. *see* Turbini, L.J. 1-27703
- Walsh, J. *see* Gewirtz, H. 1-52772
- Walsh, J.B. A stochastic model of neural response 1-44783
- Walsh, J.B. Well-timed diffusion approximations 1-44835
- Walsh, J.E. *see* Felch, K.L. 1-32392
- Walsh, J.L. *see* Konian, R.R. 1-32299
- Walsh, K. *see* Bunkenberg, J. 1-51410
- Walsh, L. GBS. A new dimension in PWB processing 1-27698
- Walsh, P.J. *see* Brett, J. 1-44465
- Walsh, T.J. *see* Avazian, J.F. 1-49999
- Walsh, T.J. *see* Kostenko, A. 1-40642
- Walsh, W.J. Advanced batteries for electric vehicles—a status report 1-35422
- Walsh, W.J. *see* Dickson, L.D. 1-28795
- Walsh, W.M., Jr., Rupp, L.W., Jr. Self-detecting microwave spectrometer based on the BARITT diode 1-45650
- Walshe, K.A., Muttik, P.K. Electricity supply in remote location—power stations and system design considerations 1-43575
- Walshe, K.A. *see* Morrison, R.E. 1-34838
- Walter, A. *see* Cain, G.J. 1-42125
- Walter, C.A. Screen printing for printed circuit boards 1-27688
- Walter, G. Packetprint for electronic signature or message authentication 1-29284
- Walter, G.W. Application of impedance measurements to study performance of painted metals in aggressive solutions 1-52565
- Walter, H.-D. *see* Ritzschke, M. 1-52411
- Walter, H.E. Digital technology-possibilities and opportunities for the telephone 1-29337
- Walter, J.L. *see* Luborsky, F.E. 1-28224
- Walter, U. Station searching principle for electronic UHF tuners 1-38014

- Walter, W. Method for obtaining uniform Josephson-contact current-density distribution 1-32998
- Walters, P. *see* Murdock, T. 1-48092
- Walters, R.E. Monarch 120-maintenance facilities 1-47494
- Walters, R.E., Park, I.D., Collins, P.E. Software development for a small telephone exchange 1-29541
- Walters, R.J. Derivation and application of reliability and maintainability values 1-53183
- Walters, W.L. On-board diagnostics for electronic emission control systems 1-31629
- Walsham, N.R., Clark, G.F., Tanner, B.K. Low temperature thermometry using inexpensive silicon diodes 1-40622
- Walther, H. *see* Daniel, H.-U. 1-32720
- Walther, K. *see* Munser, H. 1-35024
- Waltman, D.J., Superczynski, M.J., McDonald, E. Energy pulses required to quench potted superconducting magnets at constant field 1-28399
- Walton, A.J. The application of the finite element technique to the analysis of trimmed thick film resistors 1-27725
- Walton, E.G. *see* Kristoff, J.S. 1-50975
- Walton, E.K., Young, J.D. Radar scattering measurements of cones and computation of transient response 1-47700
- Walton, J.T. *see* Llacer, J. 1-34586
- Walton, R.L. *see* Motley, C.H. 1-37835
- Walzy, J. Electrical equipment for the Ulsan steam power plant 1-30985
- Waltz, E.L. Computational considerations for fusion in target identification systems 1-51848
- Walukiewicz, S. Modifications of the ellipsoid algorithm for linear programming 1-44967
- Walukiewicz, W. *see* Lagowski, J. 1-50830
- Waluszyk, W., Matthes, J. Contribution to the technical supervision of operating means of the electric energy transmission and distribution 1-31279
- Walve, K. *see* Olwegard, A. 1-48958
- Walz, G.A. Design tactics for optimal modularity 1-38113
- Wambaco, J., Van Goethem, D., Lataire, P., Maggetto, G. Using symmetrical components of instantaneous potentials and currents to identify the parameters for the mathematical model of a squirrel-cage induction machine 1-53716
- Wan-ru Zhuang *see* Zhuang Wan-ru
- Wanchoo, S. *see* Mazumder, M.K. 1-52603
- Wandel, K., Wurbs, G., Bindemann, R., Kirsch, A., Schwabe, R. Minority carrier lifetime in VPE-GaP:N,Te at various excitation levels 1-45935
- Wanderer, P., Bleser, E., Cottingham, G., Greene, A., Holbrow, C., Jaeger, K., Robins, K., Sampson, W., Stenby, G., Stevens, A., Tannenbaum, M., Thompson, P. Study of factors which affect training in ISABELLE R&D magnets 1-43097
- Wanderer, P. *see* Thompson, P. 1-43118
- Wandinger, L. New indium phosphide sources 1-46092
- Wang, B. *see* Fellows, D. 1-29499
- Wang, C.D., Lin, H.C. Deep-level transient spectroscopy system using a spectrum analyzer 1-38152
- Wang, Ch.J. *see* Botner, O. 1-34444
- Wang, Ch.J. *see* Cockerill, D. 1-43233
- Wang, C.P., Varwig, R.L. Direct measurement of anomalous dispersion by beam steering and a wavefront sensor 1-51335
- Wang, C.Y. Shape classification of the parametric cubic curve and parametric B-spline cubic curve 1-45028
- Wang, D. *see* Murdock, T. 1-48092
- Wang, D.N.K., Maydan, D. Dry etching technology for fine line devices [VLSI fabrication] 1-40669
- Wang, D.W. *see* Cockerill, D. 1-43233
- Wang, E.Y., Pandelisev, K.A. The effect of chemical surface treatments on non-native (Bi<sub>2</sub>O<sub>3</sub>) GaAs metal-insulator-semiconductor solar cells 1-53631
- Wang, E.Y. *see* Brinker, D.J. 1-53625
- Wang, F.F.Y., Krishnan, K.M., Cox, D.E., Reynolds, T.G. Compositional and structural studies of a MnZn ferrite under different processing conditions 1-46399
- Wang, F.H. *see* Thompson, D.J. 1-48292
- Wang, J.H. *see* Liu, C.J. 1-53592
- Wang, J.H.S. *see* Lovejoy, C.M. 1-46698
- Wang, J.J.H. *see* Papanicolaopolous, C.D. 1-52133
- Wang, J.M., Pellegrini, C. On the condition for a single bunch high frequency fast blow-up 1-48483
- Wang, J.M. *see* Cornacchia, M. 1-42805
- Wang, J.M. *see* Ruth, R.D. 1-42981
- Wang, J.S. *see* Lakin, K.M. 1-28195, 1-40773
- Wang, K. Optics in medical ultrasonics 1-38494
- Wang, K.C., Chen, H.H. The scintillation electronics system for the UCI/LASL neutrino detector 1-34499
- Wang, N.N. *see* Richmond, J.H. 1-46973
- Wang, P.P. *see* Jambotkar, C.G. 1-46150
- Wang, S.C., Reid, R.D. Parametric performance of a hollow cathode white laser 1-51385
- Wang, S.-T., Genens, L., Gonczy, J., Ludwig, H., Lieberg, M., Kraft, E., Gacek, D., Huang, Y.-C., Chen, C.-J. Construction program for a large superconducting MHD magnet system at the coal-fired flow facility 1-28377
- Wang, S.-T., Huang, Y.-C. Safety studies of cryostable superconductor 1-51124
- Wang, S.-T. *see* Chan, C.-J. 1-28404
- Wang, S.-T. *see* Huang, Y. 1-28396
- Wang, T.-S.F., Smith, L. Transverse-longitudinal coupling in intense beams 1-42999
- Wang, W. *see* Chu, J.L. 1-27301
- Wang, W.C. *see* Onishi, S. 1-32076
- Wang, W.I., Judaprawira, S., Wood, C.E.C., Eastman, L.F. Molecular beam epitaxial GaAs-Al<sub>x</sub>Ga<sub>1-x</sub>As heterostructures for metal semiconductor field effect transistor applications 1-35945
- Wang, Y.-P., Schalkwijk, J.P.M. Encoding moving pictures by using adaptive straight line approximation 1-33671
- Wang Bo-han *see* Bo-han Wang
- Wang Cai-Fei *see* Huang Tai-Yi 1-37467
- Wang Chang-heng *see* Dai Shou-yu 1-51448
- Wang Chaoju *see* Li Gongpan 1-48549
- Wang Cheng-zhi *see* Cai Shu-zheng 1-36324
- Wang Chi-ming, Zhuang Wan-ru Degradation and the dependence of light output on current of GaAs-AlGaAs DH lasers 1-33226
- Wang Chi-Ming *see* Chi-Ming Wang
- Wang Chongyun *see* Wang Shouwu 1-27970
- Wang Chuan-jin, Shi Xi-zhao, Shen Chang-jun An integrating photometer with automatic data processing 1-42616
- Wang De-huang *see* De-huang Wang
- Wang Gui-Ying *see* Wang Zi-Jiang 1-51506
- Wang Hsiao-Chuan *see* Hsiao-Chuan Wang
- Wang Hsiao-chuan *see* Hsiao-chuan Wang
- Wang Hsin-Pang *see* Hsin-Pang Wang
- Wang Ji-tao Computer simulation of low pressure chemical vapor deposition 1-27140
- Wang Jin Po Delay and throughput analysis for computer communications with HDLC protocols 1-29450
- Wang Lil-Mo *see* Lil-Mo Wang
- Wang Min *see* Jiang Min-hua 1-39744
- Wang Min-Chiang *see* Min-Chiang Wang
- Wang Naixin *see* Qiu Deren 1-27799
- Wang Nan *see* Nan Wang
- Wang Peida, Han Jieping, Pei Rongxiang, Hong Xiaoyin Ion implantation etching technology without development process 1-27942
- Wang Qi-ming, Zhuang Wan-ru Degradation and light output characteristics of AlGaAs-GaAs double-heterostructure lasers 1-51449
- Wang Shii-Shyong *see* Shii-Shyong Wang
- Wang Shouwu, Pan Guoxueng, Wang Chongyun Computer simulation of the stationary domain in a Gunn diode with a positive doping gradient near the anode 1-27970
- Wang Shyh *see* Shyh Wang
- Wang Wei Li *see* Wang Zue Zhong 1-41137
- Wang Wu-Cheng *see* Wu-Cheng Wang
- Wang Xiang *see* Zhang Kaixun 1-40447
- Wang Xiangsheng Bioelectrical information processing. The body-surface HBE 1-38513
- Wang Yin-yue *see* Chen Guang-hua 1-32105
- Wang Yinyue *see* Chen Guanghua 1-27837
- Wang Yong-da *see* Zhou Ying-hua 1-46784
- Wang Yong-guang *see* Tan Hung 1-34396
- Wang Yuanling *see* Yuanling Wang
- Wang Yumin, Zhang Shunyi, Gui Zhenxing, Hu Wenfu, Mao Wenying Combined grating cavity and line selection of room temperature CO laser 1-41119
- Wang Zhi-ying *see* Wu Cun-kai 1-28772
- Wang Zhiying *see* Wu Cunkai 1-37210, 1-37217
- Wang Zi-Hua *see* Zi-Hua Wang
- Wang Zi-Jiang, Cai Xi-Jie, Gao Qi-Yuan, Wang Gui-Ying, Bai Jian-Rong Laser beam wavefront diagnostics by a three-plate ring interferometer and a grating spatial filter system 1-51506
- Wang Zue Zhong, Chen Chen Jia, Liu Ji Zhou, Liu Cai Xia, Cao Shu Shi, Shi Shou Zu, Zhu Yin Kang, Wang Wei Li Spin-flip stimulated Raman scattering in InSb 1-41137
- Wangler, T. *see* Boicourt, G. 1-48430
- Wangler, T.P., Stokes, R.H. The radio-frequency quadrupole linear accelerator 1-38335
- Wangler, T.P. *see* Hamm, R.W. 1-42880
- Wangler, T.P. *see* Stokes, R.H. 1-42886, 1-48469
- Wanhammer, L. *see* Fjallbrant, T. 1-51889
- Waniewicz, I. The TVOntario Academy: the use of television broadcasting and computer-managed learning for adults 1-52216
- Wankhede, G.S. *see* Kulkarni, P.P. 1-52844
- Wann, D.F. *see* Franklin, M.A. 1-47399
- Wantshouse, R.A. *see* Ballier, L. 1-28599
- Wanzer Drane, J., Richardson, C.T. The use of generalized Michaelis-Menten kinetics to measure sensitivity in gastric acid secretion 1-44846
- Wappler, K. Welding in the high vacuum technology and in the cryogenics 1-53814
- Warabisako, T. *see* Matsubara, S. 1-44366
- Ward, A.W. Infrared thermography and engineering 1-52407
- Ward, B. On the level [interface circuit] 1-32284
- Ward, B. *see* Souliard, C. 1-33931
- Ward, C., Boehm, R., Swanson, S. The impact of solar irrigation on utility peaking characteristics 1-31132
- Ward, C.J. Delay reduction techniques in phase-locked loop amplifiers 1-27613
- Ward, C.R., Hargrave, P.J. The application of sub-optimal control methods to adaptive antennas for airborne communication systems 1-41423
- Ward, C.R., Reilly, R.A. New advances in signal processing technology for integrated CNI avionics 1-52898
- Ward, C.R. *see* Reilly, R.A. 1-30514
- Ward, D.M. *see* Carrington, O.N. 1-44299
- Ward, E.M. A high pulse repetition frequencies (PRF) narrow pulse Nd:YAG laser using an improved pulse transmission mode (PTM) modulation technique 1-28690
- Ward, I.M. *see* Nix, E.L. 1-51045
- Ward, J.F. *see* Smith, A.V. 1-33274
- Ward, J.W. *see* Janse, B.H. 1-43366
- Ward, J.W. *see* Jansen, B.H. 1-52775
- Ward, J.W. *see* Poreda, S.J. 1-31923
- Ward, K.D. Compound representation of high resolution sea clutter 1-47698
- Ward, K.E., Dunmore, G. The modernisation of the UK switched telecommunications network 1-41881
- Ward, M.A. A total verification of printed circuit artwork 1-45777
- Ward, P.B., Jr. *see* Palmer, J.P. 1-28469
- Ward, R.B. Precise delay/phase measurement using surface-acoustic waves and microprocessing 1-36740
- Ward, R.J. Infrared thermography in a residential energy conservation program 1-53016
- Ward, W.C. *see* Buller, M.L. 1-44704
- Ward, W.C. *see* Marks, R. 1-44703
- Warde, C., Fisher, A.D., Thackara, J.I., Weiss, A.M. Image processing operations achievable with the Microchannel Spatial Light Modulator 1-38203
- Warde, C., Weiss, A.M., Fisher, A.D., Thackara, J.I. Optical information processing characteristics of the microchannel spatial light modulator 1-40963
- Warde, C. *see* Shapiro, J.H. 1-33976
- Warden, E. *see* Chun Bin Lim 1-34585
- Warden, M. *see* Jack, M.A. 1-46378
- Wardenga, W. *see* Unger, H. 1-32340
- Wardley, J. *see* Cory, C. 1-34432
- Ware, B.J. *see* Shperling, B.R. 1-34842, 1-43723
- Ware, R.M. *see* Rumsby, D. 1-27103, 1-39755
- Wareham, W.W., Clark, R.P. New developments in bondable magnet wire 1-40253
- Wargowsky, E. Harmonic currents in controlled three-phase rectifier installations 1-49588
- Warhola, G.T., Jaggard, D.L. Characteristics of modulated periodic media. II. Active structures 1-51220
- Warhola, G.T. *see* Jaggard, D.L. 1-51219
- Warin, D. *see* Epelboin, I. 1-44345
- Warkentien, R. *see* Frankel, R. 1-42799, 1-42804
- Warley, S.D. *see* Hansen, H.H. 1-27919
- Warman, A. *see* Faugier, A. 1-48459
- Warmers, R. Test system for future VLSI-memories 1-46219
- Warmers, R. *see* Geprags, W. 1-40645
- Warmus *see* Furchert 1-31506
- Warnant, H. *see* Burny, G. 1-30498
- Warner, B.E. *see* Anderson, R.S. 1-51386
- Warner, F.L. Microwave attenuation standards 1-38078
- Warner, F.L., Herman, P. Some recent work at RSRE on microwave attenuation measurement 1-42722
- Warner, M.K. *see* Desikan, P.K. 1-29573
- Warner, R.E. *see* McElroy, A.J. 1-30623
- Warner, R.M., Jr. *see* Chiou, C.-F. 1-40446
- Warner, R.M., Jr. *see* Norskog, A.C. 1-49684
- Warnock, R.L., Bart, G.R. Longitudinal stability of a coasting beam in a corrugated vacuum chamber 1-43029
- Warr, A. Operating VDUs: work organisation and subjective effects on operator health and psychology 1-30010
- Warren, B.M. Applications of LSI and speech recognition 1-33590
- Warren, C. Digital analysis of infrared imagery 1-47966
- Warren, E.H., Jr. Estimating waiting time in a queuing system 1-39510
- Warren, L. *see* Noufi, R. 1-35379
- Warren, P.C. Plasticizer evaporation from vinyl insulated wires 1-32437
- Warren, R. *see* Althaus, R. 1-43113
- Warren, R. *see* Gilbert, W.S. 1-48532
- Warren, R. *see* Taylor, C. 1-43114, 1-51112
- Warren, R.E. Developing space planning aids for central office equipment systems 1-29514
- Warren, R.W. *see* Newnam, B.E. 1-51314
- Warren, R.W. *see* Stein, W.E. 1-37047
- Warren, W.E. *see* Murray, J.F. 1-28679
- Warren, W.E. *see* Simmons, W.W. 1-51505
- Warrier, A.V.R. *see* Mehendru, P.C. 1-32894

- Warshawsky, J. *see* Parmenter, D.V. 1-35584
- Wartmann, H., Stegmann, K. Communication—line technology. II. Structure and function of communication line networks 1-29341
- Warwick, A.I. *see* Gutbrod, H.H. 1-34433
- Warzywoda, J. Method of calculating the risk of failure in electric lines 1-30772
- Wasa, K. *see* Yamazaki, O. 1-36795
- Washburn, A.R. Overlapping pulse trains 1-41638
- Washburn, A.R. Note on constrained maximization of a sum 1-50236
- Washisu, S., Fukai, I., Suzuki, M. An analysis of unbounded field problems by finite-element method 1-33306
- Washiyama, M. *see* Aoki, M. 1-27100
- Washko, S.D., Osborn, M.L., Veeraraghaven, W.G. Origin of losses in 2.54 cm wide Metglas Alloy 2605 SC 1-40819
- Wasik, J. *see* Lipinski, W. 1-38184
- Wasiluk, W. The calculating method of currents and potentials distribution of parallel earth-return circuits containing the underground pipelines 1-49038
- Wasmund, S. Colour video systems—their applications now and in the future 1-52239
- Wasmundt, K.C. *see* Collins, S.A., Jr. 1-28541
- Wasmundt, K.C. *see* Fatchi, M.T. 1-36981, 1-41814
- Wasowicz, Z., Wloka, P. Statistical analysis of accelerated durability investigation results of hybrid microcircuits 1-50705
- Wassel, W.W., Graham, K.F., Byford, R.G., Lowenfeld, S., Vickers, G.D., Lenderking, B.N. A microprocessor based thermocouple/core cooling monitor for pressurized water reactors 1-34192
- Wassell, H.J.H. *see* Bolton, B. 1-39306
- Wassenaar, K. Energy storage systems in the Dutch electricity grid 1-48951
- Wassenaar, K. Electricity after the twentieth century? 1-49941
- Wasserstrom, E., Christiansen, W.H. Phase correction of a laser beam by gas jets 1-37208
- Wassink, R.J. Klein *see* Klein Wassink, R.J.
- Wassner, V. Export or cooperation? New markets for telecommunications in developing countries 1-33716
- Wasson, J. *see* Schell, R.R. 1-41714
- Wastell, D.G. *see* Brown, I.D. 1-47450
- Wasynczuk, O. Damping subsynchronous resonance using reactive power control 1-30616
- Wasynczuk, O. Damping shaft torsional oscillations with application to high speed reclosure 1-31176
- Wasynczuk, O. Damping subsynchronous resonance using reactive power control 1-34833
- Wasynczuk, O. Damping shaft torsional oscillations with application to high speed reclosure [turbogenerators] 1-35135
- Wasynczuk, O. Damping shaft torsional oscillations using a dynamically controlled resistor bank 1-43934
- Wasynczuk, O., Decarlo, R.A. The component connection model and structure preserving model order reduction 1-52978
- Wasynczuk, O., Man, D.T., Sullivan, J.P. Dynamic behavior of a class of wind turbine generators during random wind fluctuations 1-44011
- Waszczykowski, A. Optimization of the allocation of banks of capacitors in industrial low tension feeders 1-43668
- Waszkiss, W. *see* Bem, D.J. 1-29007
- Watahiki, T. *see* Mayata, T. 1-45588
- Watahiki, T. *see* Miyata, T. 1-45586
- Watanabe, A., Ueda, Y. Visual image of connected vowels for color display system of connected speech 1-48001
- Watanabe, A., Uehori, T., Saitoh, S., Imaoko, Y. Fine metal particles having super high coercivity 1-40779
- Watanabe, A. *see* Ikeda, K. 1-43288
- Watanabe, A. *see* Yatsuzuka, K. 1-40973
- Watanabe, E.H. *see* Kataoka, T. 1-44213
- Watanabe, F. *see* Ishikawa, S. 1-49843
- Watanabe, H., Nakamura, K., Shimizu, H. A new type of energy trapping caused by contributions from the complex branches of dispersion curves 1-40760
- Watanabe, H., Nakamura, K., Shimizu, H. A new-type of energy trapping caused by contributions from the complex branches of dispersion curves 1-40766
- Watanabe, H. *see* Kondo, S. 1-52109
- Watanabe, H. *see* Yamaguchi, M. 1-52333
- Watanabe, I. *see* Shimizu, T. 1-50802
- Watanabe, K., Arima, M., Yamamoto, T. Graph design of p-i-n diode phase shifters 1-45646
- Watanabe, K., Nomura, J., Tomita, R., Takita, I., Kuroda, M., Yoshizawa, S., Moriguchi, K. Development of NS-7 marine radio telephone equipment 1-52060
- Watanabe, K. *see* Gotoh, T. 1-34164
- Watanabe, K. *see* Kamijo, Y. 1-43799
- Watanabe, K. *see* Kotake, T. 1-38704
- Watanabe, M., Miyahara, H., Hasegawa, T. Approximate analysis for data packet queues in integrated switched tandem networks 1-47285
- Watanabe, M., Takahashi, M., Takahashi, N., Tsukui, T. Experimental study of a practical airgap winding stator arrangement for large turbine generators 1-38954
- Watanabe, M., Uchida, A., Matsudo, O., Sakai, K., Takami, K., Katayama, T., Yoshida, K., Kihara, M. Design of UVSOR light source at IMS 1-42822
- Watanabe, M. *see* Takekoshi, Y. 1-45446
- Watanabe, M. *see* Oku *see* Oku Watanabe, M.
- Watanabe, N. Characteristics and applications of graphite fluoride 1-49660
- Watanabe, N. *see* Dohsen, M. 1-46152
- Watanabe, N. *see* Kasahara, J. 1-27819, 1-40389, 1-51014
- Watanabe, N. *see* Mori, Y. 1-33242, 1-46742
- Watanabe, N. *see* Takenaka, T. 1-47318
- Watanabe, R., Ohnishi, K., Nosu, K. Optical demultiplexer using a PIN photodiode detector array 1-33982
- Watanabe, R. *see* Abe, Y. 1-31945
- Watanabe, S. *see* Katayama, T. 1-48382
- Watanabe, S. *see* Muroya, K. 1-51638
- Watanabe, S. *see* Tani, S. 1-29391, 1-30030
- Watanabe, S. *see* Taylor, R.S. 1-51391
- Watanabe, T., Ae, T., Nakamura, A. On the problem of forming a series-parallel graph by edge-contraction or edge-deletion 1-31987
- Watanabe, T., Ae, T., Nakamura, A. On the planarization by contracting edges of a graph with maximum node degree at most 3 1-39600
- Watanabe, T., Ae, T., Nakamura, A. On the problem of forming a two-terminal series-parallel graph by removing nodes of a planar graph 1-39604
- Watanabe, T., Ae, T., Nakamura, A. On the removal of forbidden graphs by edge-deletion or by edge-contraction 1-44917
- Watanabe, T., Nakamura, A. On the planarization problem by edge-contraction [graph theory] 1-39599
- Watanabe, T., Nakamura, A. On the problem of forming a two-terminal series-parallel graph by edge deletion 1-39601
- Watanabe, T., Nakamura, A. On the problem of forming a two-terminal series-parallel graph by edge contraction 1-39602
- Watanabe, T., Ogawa, A., Murakami, H., Saitoh, H. Site diversity switching control for TDMA satellite link 1-33960
- Watanabe, T., Toyama, J., Toyoshima, H., Oguri, H., Ohno, M., Ohta, T., Okajima, M., Naito, Y., Yamada, K. A practical microcomputer-based mapping system for body surface, precordium, and epicardium 1-48703
- Watanabe, T. *see* Aoki, T. 1-44172
- Watanabe, T. *see* Kitani, Y. 1-42105
- Watanabe, T. *see* Miyahara, H. 1-52715
- Watanabe, T. *see* Miyahara, N. 1-46230
- Watanabe, T. *see* Russell, R.D. 1-30534
- Watanabe, T. *see* Toyama, J. 1-48724
- Watanabe, T. *see* Ueda, H. 1-30543
- Watanabe, T. *see* Zambresky, L.F. 1-30544
- Watanabe, Y. Geometrical method for calculating the capacity of discrete memoryless channels 1-41476
- Watanabe, Y., Kato, S., Inoue, T., Kohiyama, K. Demand assignment TDMA system for the integrated digital satellite communication experiment 1-29681
- Watanabe, Y., Samejima, S., Kato, S., Kohiyama, K. Demand-assigned TDMA system for a digitally integrated services network 1-52083
- Watanabe, Y. *see* Kurihara, H. 1-37151
- Watanabe, Y. *see* Matsumoto, J. 1-50110
- Watase, K. *see* Aizawa, M. 1-49814
- Watase, Y. *see* Kusumegi, A. 1-48580
- Wataze, M. *see* Mitsui, Y. 1-28021
- Wataze, M. *see* Suzuki, T. 1-46178
- Waterhouse, R.B. *see* Hamdy, M.M. 1-39388
- Waters, R.T. Breakdown in nonuniform fields 1-32532
- Wates, R.W., Patel, A.P. Investigation of erosion-corrosion failures of LP economiser tubes at a nuclear power plant 1-43856
- Watkins, G.G. *see* Martin, D.H. 1-39623
- Watkins, J.W., Boudreaux, N.A., Otten, T.H. Large archival mass memory system using optical diskettes 1-42443
- Watkins, L.S., Krawarik, P.H. Spatial power spectrum characteristics of the core diameter of furnace drawn and laser drawn step-index optical fibers 1-51157
- Watkins, L.S. *see* Sanchez, J. 1-36914
- Watkins, M.L. *see* Baty, D.L. 1-30510
- Watkins, R.V. *see* Patten, M.A. 1-47486
- Watkinson, J.R. Opto-electronic contact breaker 1-31608
- Watkinson, J.R. Electronics on the road. I 1-49779
- Watkinson, J.R. Electronics on the road. II. Automatic control, instruments and display 1-53758
- Watrenez, R. *see* Robinet, M. 1-47471
- Watry, W. *see* Austgen, P. 1-30154
- Watson, A. *see* Abiri, M.A. 1-36722
- Watson, B.K., Dang, N.D., Ghosh, S. A mode extraction network for RF sensing in satellite reflector antenna 1-41372
- Watson, B.K. *see* Adatia, N. 1-52098
- Watson, B.K. *see* Ghosh, S. 1-41448, 1-47080
- Watson, B.K. *see* Philippou, G.Y. 1-40228
- Watson, D. Low-power f-v converter turns portable tachometer 1-30153
- Watson, D. Using the SL560C, a low-noise wide-band amplifier 1-39941
- Watson, D. Synthesize low-frequency sine waves with high-frequency crystals 1-39976
- Watson, D. Microprocessor controls pay telephones 1-42005
- Watson, D.C. Staring concepts and systems requirements 1-48823
- Watson, E.E., Cloutier, R.J. The MIRD technique for internal radiation dose estimation 1-48759
- Watson, G.A. An algorithm for linear  $L_1$  approximation of continuous functions 1-39662
- Watson, J. Electricity and bone healing [magnetic field therapy] 1-43367
- Watson, J. *see* Martin, R.L. 1-48310
- Watson, J.K. On the nonlinearities of inductors using linear ferrite toroidal cores 1-36371
- Watson, J.K. *see* Huijter, E. 1-28221
- Watson, J.K. *see* Lai, F.S. 1-46456
- Watson, J.M., Bogaty, J.M., Moretti, A., Sacks, R.A., Sesol, N.Q., Wright, A.J. The status of the Argonne heavy ion fusion low-beta linac 1-48559
- Watson, L., Yang, W.H. Methods for optimal engineering design problems based on globally convergent methods 1-39682
- Watson, P. Simple fuzz box for electric guitars 1-42460
- Watson, P.A. Propagation effects on microwave and millimetre-wave Earth-satellite links 1-46903
- Watson, P.A. *see* Dissanayake, A.W. 1-28876
- Watson, R. An application of a martingale central limit theorem to the standard epidemic model 1-44878
- Watson, R.T., Luther, W.A. Frequency tolerances and spurious emission limitations 1-52194
- Watson, R.W. Timer-based mechanisms in reliable transport protocol connection management 1-33791
- Watson, S. *see* McCready, L. 1-51807
- Watson, W. A review of distribution switchgear up to 36 kV 1-44301
- Watson, W. *see* Coultas, M.E. 1-35158, 1-38967
- Watson, W.G. Liaison and feedback between operation and planning computer models 1-49023
- Watson, W.G., Walker, A.J., Fisher, A.G. Evaluation of the cost and reliability implications of alternative engineering investment policies for replacement of plant on ageing distribution systems 1-49093
- Watson, W.S. Distributed energy management systems using the public telephone network 1-43588
- Watson-Lee, M.A.S. *see* Nippierd, V.L. 1-47582
- Watters, C.V. A simplified procedure for determining the auxiliary bus voltage and angle during bus transfer 1-35062
- Watters, C.V. A simplified procedure for determining the auxiliary bus voltage and angle during bus transfer 1-43932
- Watters, F. *see* Holmes, A.J.T. 1-43191
- Wattiaux, A. *see* Stuck, R. 1-36501
- Watts, A. *see* Britton, A. 1-35356
- Watts, C. Advancement of surface inspection instrumentation for cold-rolled steel strip 1-26961
- Watts, C. Standby lighting: some problems and their solutions 1-49787
- Watts, G.D. *see* Elliott, B.J. 1-50347
- Watts, R.K., Bruning, J.H. A review of fine line lithographic techniques: present and future 1-40667
- Watts, T. *see* Beechy, D. 1-42953
- Watson, R. *see* Zehnpenning, T. 1-42547
- Watzel, G., Gallenberger, H., Grabenstatter, K. Plans for decommissioning 1-53204
- Waugh, A.R. A nanosecond kilovolt pulse generator using microstrip charging lines 1-32232
- Waumans, R.J.R. The role of reliability in planning distribution networks 1-30714
- Wavre, N., Jufer, M. Single or double sided linear induction motor performance improved by the winding of the inductors: industrial applications 1-49493
- Wawszczak, A. *see* Strzelczyk, F. 1-43951
- Wax, M. The estimate of time delay between two signals with random relative phase shift 1-41657
- Wax, M. The estimate of time delay between two signals with random relative phase shift 1-42300
- Waxin, G., Rouvaen, J.M., Bridoux, E., Torguet, R. Study of two-crystal acousto-optic signal processors 1-36987
- Wayler, B. Suggestions of construction changes of 500 MW turbines for increasing their maintainability 1-53261
- Wdowiak, J. Power electronics elements in non-driving applications 1-39925
- Wearden, T. Liquid crystal display plant shows Britain is in the world league 1-28534
- Wearden, T. Microwave ATE systems 1-29986

- Wearden, T. Applications of III-V semiconductor materials 1-36473
- Wearden, T. Fibre link design—a practical approach to choosing a system 1-47664
- Wearden, T. Defect records by satellite link 1-52086
- Wearden, T., Buchoff, L. Metal on elastomer connector systems 1-27675
- Weathers, G., Holliday, E.M. Group-complementary code sets for implementing pulse compression with desirable range resolution properties 1-42324
- Weaver, C. The CECC system for European electronic components 1-35655
- Weaver, C. *see* Sadiq, M.M. 1-45807
- Weaver, H.T., Nasby, R.D. Analysis of high-efficiency silicon solar cells 1-39119
- Weaver, J.E., Gaylord, T.K. Evaluation experiments on holographic storage of binary data in electro-optic crystals 1-41167
- Weaver, J.M. *see* Davis, G.T. 1-27400, 1-30002
- Weaver, N.L., Singh, R., Rajeshwar, K., Singh, P., Dubow, J. An economic analysis of photoelectrochemical cells 1-44377
- Weaver, S.E., Binns, B.W., Ralston, L.M. Transparent electrophotographic film evaluation for high performance data recording 1-41166
- Weaver, W.R. *see* Lee, J.H. 1-51326
- Weaving, K. Verification of high-level protocol implementations 1-33793
- Web-qui Wu *see* Wu Web-qui
- Webb, B.C. *see* Ridout, J.M. 1-34291
- Webb, C. *see* Lichtensteiger, M. 1-27795
- Webb, C.E. *see* Fujii, K. 1-51342
- Webb, C.E. *see* Littlewood, I.M. 1-46683
- Webb, D.A. *see* Mueller, V.C. 1-31426
- Webb, H. *see* Stark, H. 1-41804
- Webb, I.R. *see* Murthy, D.N.P. 1-44791
- Webb, J. *see* Stotlar, S.C. 1-48101
- Webb, R.A. *see* Voss, R.F. 1-46477
- Webb, R.C. 60 KVA ADP permanent magnet VSCF starter/generator system—a program overview 1-52918
- Webb, R.C. *see* Cester, R. 1-34429
- Webb, R.H., Hughes, G.W. Scanning laser ophthalmoscope 1-43302
- Webb, R.P. *see* Meliopoulos, A.P. 1-30810, 1-38747, 1-38757
- Webb, R.P. *see* Tognetti, N.P. 1-36525
- Webb, R.W., Cooper, F.R., Randlett, R.W. A 12b A/D converter 1-27590
- Webb, S. *see* Flower, M.A. 1-43313
- Webb, W.W. *see* Schneider, M.B. 1-33259
- Webber, H.C. *see* Cullis, A.G. 1-35932
- Webber, H.C. *see* Deshmukh, V.G.I. 1-50831
- Webber, H.C. *see* Skolnick, M.S. 1-36455
- Webber, N. Alberta aims for leading role in computer communications 1-51952
- Webber, R. *see* Kerns, Q. 1-43070
- Webber, R.C. *see* Ankenbrandt, C. 1-48573
- Webber, R.C. *see* Jachim, S.P. 1-42956
- Webber, R.C. *see* Shafer, R.E. 1-43205
- Webber, R.V., McCormick, K.S. Low elevation angle measurements of the ATS-6 beacons at 4 and 30 GHz 1-29668
- Weber, B.W. Cable faults in power systems 1-30738
- Weber, C. *see* Muller, M. 1-47237
- Weber, C.L., Huth, G.K., Batson, B.H. Performance considerations of frequency-hopping multiple access 1-29253
- Weber, F. An insulation meter with digital display 1-52509
- Weber, F.J. *see* Capps, R.N. 1-52968
- Weber, G. Exploiting the Rhine above Lake Constance 1-49324
- Weber, G. *see* Pohl, L. 1-28531
- Weber, G. *see* Reiner, E. 1-48079
- Weber, G.M. Sensitivity analysis of optimal matchings 1-35815
- Weber, H. Numerical computation of the Fourier transform using Laguerre functions and the fast Fourier transform 1-27088
- Weber, H. Regressive calculation with the programmed computer HP 97 1-37692
- Weber, H. *see* Korts, H.P. 1-41113
- Weber, H.P. *see* Badertscher, G. 1-40383
- Weber, H.P. *see* Wolf, D. 1-33437
- Weber, H.W. Equalisation and evaluation of FM-2700 microwave link circuits 1-29606
- Weber, H.W. *see* Nardai, F. 1-36841, 1-38084
- Weber, J. Electronic speckle pattern interferometry/holography 1-41161
- Weber, J.O.C. *see* MacFarland, R.C. 1-50647
- Weber, J.W., Opitek, E.W. Airborne electronic terrain map system 1-52904
- Weber, M. An elementary method for the study of the regularity of a class of random functions 1-39524
- Weber, N.C. Incomplete degenerate U-statistics 1-50176
- Weber, O. Philosophy and practice behind railway safety installations 1-49971
- Weber, R. Large-format ebbscon for low light level satellite surveillance 1-42541
- Weber, R. *see* Keller, M. 1-33061
- Weber, R. *see* Laroche, P. 1-33374
- Weber, R.C., Seifert, J. Wind: a power source for forklift trucks 1-31142
- Weber, R.J. *see* Brobst, J.D. 1-27622
- Weber, R.M. *see* Rupe, D.E. 1-28205
- Weber, W. *see* Henne, R. 1-31479
- Weberg, H. Personnel and recruiting policy of the Norwegian telecommunications service 1-31774
- Webster, A.R., Lam, W.I. Microwave angle-of-arrival measurements under anomalous tropospheric propagation conditions 1-28887
- Webster, J.L., Henley, W.F. Production and automated testing of Chrysler's engine control computer 1-31622
- Webster, R.J. Comments on 'Anomalous behavior of receiver output SNR as a predictor of signal detection performance exemplified for quadratic receivers and incoherent fading Gaussian channels' 1-51816
- Webster, R.T., Das, P., Werner, R. Ultrasonic imaging for nondestructive evaluation of composite material with digital image enhancement 1-38626
- Webster, R.T. *see* Chakravarti, S.N. 1-36532
- Webster, W.H., Jr., Yao, N.P. Progress and forecast in electric vehicle batteries 1-31592
- Weddigen, Ch. *see* Besset, D. 1-42776
- Wedekind, H.-P. *see* Falland, C. 1-48315
- Wedemeyer, G.H. *see* Byrne, C.J. 1-52016
- Wedlake, D. Hall effect transducer technique applied to magnetic field measurement 1-34273
- Wedlake, J. An introduction to the Integrated Services Digital Network 1-29311
- Wedtstein, F. *see* Neesemann, H. 1-48313
- Weed, W.D. At the touch of a button, transmitter sends a call for help 1-51997
- Weedermann, H. Radio transmission of tele-video signals, exemplified by installations in a foundry and in the Wuppertal passenger transport system 1-42422
- Weedon, K. Cold water in the battery 1-53597
- Weeks, J.C. *see* Muckersie, J.B.O. 1-39342
- Weeks, W.T. Synthesis of equivalent circuits for large linear passive package networks 1-45216
- Weerd, J.P.C. *see* De Weerd, J.P.C.
- Wees, A.C.A. *see* van Wees, A.C.A.
- Weg, W.F. *see* van der Weg, W.F.
- Wegelin, R. *see* Bensimon, A. 1-30840
- Weggel, R.J. *see* Leopold, M.J. 1-51127
- Weglein, R.D. Acoustic microscopy of curved surfaces 1-30567
- Weglein, R.D. *see* Kihm, T. 1-47736
- Weglinski, B. *see* Kubzdela, S. 1-53480
- Wegner, A. The effect of scratches on the change of the foundation dynamic characteristic and on the operation of large turbine-generator sets 1-38947
- Wegner, G.A. *see* Gregorian, R. 1-52008
- Wegner, G.E. The principles of operation and circuit techniques for push-pull output stages 1-27296
- Wegner, G.E. The amplitude limiter in the television receiver 1-29864
- Wegner, G.E. Circuit techniques for a modern colour TV receiver, I 1-52227
- Wegner, H.E. *see* Thieberger, P. 1-42849, 1-52692
- Wegscheider, F.M. *see* Kraaij, D.J. 1-31283, 1-44142
- Weh, H., Mosebacht, H., May, H. Design and technology of the iron-core linear synchronous motor for advanced ground transportation 1-49506
- Weh, H. *see* May, H. 1-49500
- Wehn, R. Introduction to and review of developments in cable technology 1-49110
- Wehn, R., Blechschmidt, H. VDEW-Cable Conference. Experience gained in the past 7 years 1-30743
- Wehr, J. The rehabilitation of supporting structure components in Hucking power station following damage due to an explosion in a high pressure feed heater 1-53233
- Wehrhahn, E. Exact analysis of periodically switched linear networks 1-45249
- Wehrli, R. *see* Keller, R. 1-35263
- Wehrly, T.E., Shine, E.P. Influence curves of estimators for directional data 1-35764
- Wehrmann, W. RMS and power measurements with arbitrary waveform 1-38828
- Wehrung, J.M. *see* McAlear, J.H. 1-46272
- Wei, C.J., Klein, H.-J., Beneking, H. Symmetrical MOTT barrier as a fast photodetector 1-51272
- Wei, Hwang. *see* Kao, K.C. 1-35588
- Wei, L.J. *see* Padgett, W.J. 1-35770
- Wei, P. *see* Lizzi, F.L. 1-38504
- Wei, V.K.W. *see* Kasami, T. 1-33498
- Wei Ce-jun, Bauhofer, W., Zhou Jie, Zhang Zhi-zhong Measurement on Hall coefficient of semiconductors by microwave technique, using a degenerate dual-mode cavity 1-30248
- Wei Kai-Yu The beam envelope analysis for non-periodic systems 1-52647
- Wei Li Wang *see* Wang Wei Li
- Wei Shu-ming *see* Lin Yu 1-27379
- Wei Yan-zhang *see* Yan-zhang Wei
- Wei Yun-rong *see* Lin Shao-chi 1-28616
- Wei-fang Wu *see* Wu Wei-fang
- Wei-hua Zhuang *see* Zhuang Wei-hua
- Wei-Lou Cao, Vacher, A.M., Chi H. Lee Synchronously pumped mode-locked GaAs laser 1-37093
- Wei-lou Cao, Vaucher, A.M., Jun-da Ling, Lee, C.H. Generation of tunable picosecond pulses from a bulk GaAs laser 1-51432
- Wei-Lou Cao, Vaucher, A.M., Lee, C.H. Generation of picosecond pulses of amplified spontaneous emission by two-photon excitation in GaAs 1-28681
- Wei-Wha Wu *see* Logue, J.C. 1-40633
- Wei-xi Chen *see* Hong-du Liu 1-32758, 1-37154
- Wei-xin Jin *see* Jin Wei-xin
- Weiant, M. *see* Thangamuthu, K. 1-31809
- Weible, H. Lines of development up to the year 2000 in the electricity supply to Baden-Württemberg 1-30598
- Weible, H. The significance to electricity supply in Baden-Württemberg of the Neckarwestheim I and Philippsburg I nuclear power stations 1-48948
- Weichold, M.H., Eknayan, O. GaP Schottky diodes for high temperature applications 1-46108
- Weidel, E., Petermann, K. Semiconductor laser noise in an interferometer system 1-37161
- Weidel, E. *see* Bohm, K. 1-33034
- Weidel, E. *see* Petermann, K. 1-41129
- Weidemer, J.A. Eraring Power Station and project management 1-53283
- Weidenhofer, L.F. *see* Brodzinski, E. 1-30986
- Weidlich, H. *see* Pettenpaul, E. 1-40535
- Weidlich, H.-G. *see* Munser, H. 1-35024
- Weidlich, H.P., Archer, J.A., Pettenpaul, E., Petz, F.A., Huber, J. A GaAs monolithic broadband amplifier 1-27329
- Weidlich, H.P. *see* Archer, J.A. 1-46132
- Weidman, M.P. *see* Clark, R.F. 1-48189
- Weidner, H. Cross correlator for measurement of LF spectra 1-41629
- Weidner, M., Lock, R. Thickness measurement of Si epitaxial layers with the SPECORD-75 IR 1-34375
- Weidner, P. Interworking between the new TELETEX service and the existing TELEX service 1-29375
- Weier, D.R. *see* Spurrier, J.D. 1-39457
- Weigan Lin *see* Lin Weigan
- Weigert, E. Railway electric power supply—crisis safe and independent 1-49735
- Weightman, H. Recent advances in abrasive trimming and material removal techniques 1-44689
- Weightman, H.G. Microabrasive applications [in hybrid IC manufacture] 1-45826
- Weigong Cao *see* Cao Weigong
- Weihua Zhuang *see* Zhuang Weihua
- Weik, F. *see* Gutbrod, H.H. 1-34433
- Weil, G., Kessler, H. The application-oriented microcomputer—a combination of application-oriented logic and standardized computer hardware 1-45398
- Weil, R. *see* Janai, M. 1-50318
- Weiland, T. Transient electromagnetic fields excited by bunches of charged particles in cavities of arbitrary shape 1-48486
- Weiland, T., Zotter, B. Wake potentials of a relativistic current in a cavity 1-48450
- Weiland, T. *see* Bane, K. 1-43036
- Weiler, H., Schleithoff, K. Tube change [condensers in 670 MW power station] 1-35034
- Weiler, J. Measurement of the frequency dependency of the mains impedance—a review of different methods 1-30833
- Weiler, J. Concepts and methods of electronic signal measurement and processing 1-38150
- Weiler, M.H. *see* Seiler, D.G. 1-46620
- Weiler, R.L. *see* Destler, W.W. 1-32552, 1-45857
- Weilhammer, P. *see* England, J.B.A. 1-48576
- Weill, A. *see* Mon, J.-P. 1-28886
- Weimann, G., Schlapp, W., Burkhard, H. MBE growth of GaAs and GaAlAs for the fabrication of DH lasers 1-37144
- Weimeister, M. RFI: causes and cures 1-46955
- Weimert, G. *see* Muller, C. 1-29270
- Weimin Mao *see* Mao Weimin
- Weinberg, A. The impact of pulsed RFI on the coded BER performance of the nonlinear satellite communication channel 1-37878
- Weinberg, I.J. Dispersion relations for magnetostatic waves 1-37259
- Weinberg, I.J. *see* Sethares, J.C. 1-46434
- Weinberger, A. High-speed comparators with off-set [digital comparators] 1-36204
- Weinberger, A. *see* Kalandra, P. 1-50503
- Weinberger, B.R., Gau, S.C., Kiss, Z. A polyacetylene:aluminum photodiode 1-33135
- Weinberger, B.R. *see* Gau, S. 1-45110
- Weiner, A.M. *see* Harris, S.J. 1-33247
- Weiner, D. The Mediterranean-Dead Sea project: A mathematical model and dynamic optimization of a solar-hydroelectric power plant 1-31108
- Weiner, D.D., Spina, J.F. Sinusoidal analysis and modeling of weakly nonlinear circuits. With application to nonlinear interference effects 1-35587
- Weiner, D.D. *see* Jain, V.K. 1-41763

- Weiner, D.D. *see* Sarkar, T.K. 1-35714  
Weiner, D.D. *see* Tseng, F.I. 1-29158  
Weiner, H. 10 years of plastic Thorkom connectors 1-50658  
Weiner, L.B. Kalman filter initialization with large initial uncertainty and strong measurement non-linearity 1-41778  
Weiner, L.B. A novel schema for low altitude trajectory processing 1-42316  
Weiner, L.R. Optical methods to provide feature inputs for adaptive learning networks 1-47244  
Weiner, M., Silber, L. Pulse sharpening effects in ferrites 1-40842  
Weinert, F.K., Weinschel, B.O. A dual-channel automatic vector ratio meter 1-42533  
Weinert, H.L., Desai, U.B. On adjoint models and fixed-interval smoothing 1-33470  
Weinerth, H. The prospects of microelectronics: Very Large Scale Integration (VLSI) as the next step in miniaturisation 1-28067  
Weinhardt, K. Electronics at METEOSAT 1-30497  
Weinhaus, F.M. *see* Devich, R.N. 1-47245  
Weinhold, M. Development trends in the production technology of printed wirings in the USA, Europe and Japan 1-40306  
Weinlein, J.H. *see* Humphreys, D.R. 1-38571  
Weinlein, J.H. *see* Jensen, D.H. 1-38570  
Weinman, L.S., Jamison, S.A., Helix, M.J. Sputtered TiW/Au Schottky barriers on GaAs 1-46098  
Weinman, L.S. *see* Cummings, J.P. 1-46184  
Weinrich, D.W. Speech synthesis component used for waveform coding 1-41524  
Weinschel, B.O. *see* Weinert, F.K. 1-42533  
Weinstein, D. *see* Shaw, H.J. 1-36805  
Weinstein, E. *see* Schultheiss, P.M. 1-41671  
Weinstein, M.B. A P Products Powerace 103 solderless breadboard 1-26896  
Weinstein, M.B. A simple signal tracer 1-30152  
Weinstein, M.B. Universal counter/timers 1-30174  
Weinstein, M.B. Electronics in your next car 1-35486  
Weinstein, M.B. Junk box logic probe 1-36173  
Weinstein, M.B. Electronics in your next car. III 1-39189  
Weinstein, S.B. *see* Gitlin, R.D. 1-42010  
Weinstock, G.L. Electromagnetic integration of composite structure in aircraft 1-32097  
Weinstock, I.B. *see* Landgrebe, A.R. 1-31408  
Weinzierl, P. *see* Strato, C. 1-38411  
Weir, B. *see* Boyacigiller, Z.G. 1-27591  
Weis, M. *see* Levi, H.W. 1-30920  
Weisberg, H. *see* Brown, H. 1-48364  
Weisberg, H.L. *see* Rodger, E.S. 1-43080  
Weisbuch, C., Dingle, R., Petroff, P.M., Gossard, A.C., Wiegmann, W. Dependence of the structural and optical properties of GaAs-Ga<sub>1-x</sub>Al<sub>x</sub>As multiquantum-well structures on growth temperature 1-40390  
Weisbuch, C. *see* Petroff, P.M. 1-45972  
Weise, K. *see* Berndt, G. 1-44418  
Weisenbloom, J. *see* Allinger, J.E. 1-43103  
Weiser, K. Doping PbTe with Group-III elements: An ionic lattice approach 1-27931  
Weiser, K., Ribak, E., Klein, A., Ainhorn, M. Recombination of photocarriers in lead-tin telluride 1-46609  
Weiser, K., Strom, U., Wolf, S.A., Gubser, D.U. Use of granular NbN as a superconducting bolometer 1-51139  
Weiser, K. *see* Penchina, C.M. 1-28553  
Weismantel, M. Microwave system upgrades service and lowers costs 1-48968  
Weispenning, H., Bruining, R.A. Burum, a ground station in the Intelsat communication system 1-29683  
Weiss, A.M. *see* Warde, C. 1-38203, 1-40963  
Weiss, H.W. Power transmission to a synchronous machine for large-horsepower, adjustable-speed drive systems 1-49731  
Weiss, J., Stephens, C.M. Finite elements for three-dimensional magnetostatic fields and its application to turbine-generator end regions 1-38950  
Weiss, J., Stephens, C.M. Finite elements for three-dimensional magnetostatic fields and its application to turbine-generator end regions 1-44053  
Weiss, J. *see* Conti, R. 1-29010  
Weiss, J.A., Hawks, D.A. A ferrimagnetic resonance thermometer for microwave power environment 1-48075  
Weiss, J.A. *see* Tetenbaum, S.J. 1-44571  
Weiss, K. Modern underground mining equipment 1-53860  
Weiss, L. *see* Bialas, W.F. 1-35782  
Weiss, M.A. Temperature compensation of microstrip antennas 1-51711  
Weiss, M.M. *see* Petersen, R.C. 1-30483  
Weiss, R. Developments in microelectronics—from the crystal detector to the single-chip computer 1-36661  
Weiss, R. *see* Leonard, R.F. 1-46215  
Weiss, W. *see* Reginato, L.L. 1-43061  
Weissenberg, W. *see* Kullig, P. 1-49108  
Weissfield, R., Viktorovitch, P., Anderson, D.A., Paul, W. Pseudogap state density in sputtered a-Si:H from field effect and capacitance measurements 1-50795  
Weissler, F.B. Existence and nonexistence of global solutions for a semilinear heat equation 1-39495  
Weissman, D.E. *see* Thompson, T.W. 1-52940  
Weissman, M.B., Dollinger, G.D. Noise from equilibrium enthalpy fluctuations in resistors 1-45709  
Weissman, S. *see* Lalevic, B. 1-50838  
Weissmann, G.F., Carter, H.L., Jr., Hart, R.R. Optical displacement measuring device 1-34232  
Weissmantel, C. *see* Reisse, G. 1-35973  
Weissmantel, H., Gairola, A. The applicability of conductive plastics for tactile sensors 1-52439  
Weitsch, A. *see* Behrend, H.-J. 1-43229  
Weitzel, S.D. *see* Berndtmaier, E. 1-40634  
Weitzman, L., Preece, L. Disposing safely of PCBs: what's available, what's on the way 1-44173  
Weilbourn, B. Cutting costs through energy management 1-49903  
Welch, B.M. *see* Lee, C.P. 1-36515  
Welch, B.M. *see* Zucca, R. 1-28123  
Welch, H.W. Productivity of energy: engineering and economic factors 1-44634  
Welch, L.R. *see* Leung, K.S. 1-37410  
Welch, M. *see* Kelly, F. 1-39200  
Welch, P.D. *see* Heidelberg, P. 1-39526  
Weldon, D. *see* Thullen, P. 1-30230  
Weldon, W.F. *see* Marshall, R.A. 1-35407  
Welford, D. *see* Sibbett, W. 1-33200  
Welford, W.T. *see* Lessard, R.A. 1-30553  
Wellbeloved, R. *see* Chambers, D.S. 1-47759  
Wellens, U. Digital voice transmission in radio-telephone networks 1-41896  
Weller, H.R., Roberson, N.R. Proton and neutron radiative capture 1-38412  
Weller, J.F. *see* Carruthers, T.F. 1-32782  
Weller, J.F. *see* Davis, K.L. 1-36752  
Weller, J.F. *see* Goldberg, L. 1-46730, 1-51455  
Weller, M.G. *see* Day, A.G. 1-27704  
Wellhausen, H.-W. Trends in digital transmission on metallic pairs 1-37846  
Wells, C.P. *see* Corfield, J.R. 1-43298  
Wells, F.D. *see* Higgins, E.F. 1-42952  
Wells, J.V. Technical innovations for the office of the future 1-47404  
Wells, O.C., Savoy, R.J. Magnetic domains in thin-film recording as observed in the SEM by a lock-in technique 1-36818  
Wells, P.N.T. *see* Clifford, P.C. 1-30401  
Wells, T.B. Near-field measurements of broad beam antennas 1-51696  
Wells, T.L. *see* Craig, T.P. 1-37034  
Welly, J.-D. *see* Gebel, R. 1-35282  
Welsch, R.E. *see* Dennis, J.E., Jr. 1-50244  
Welsch, T.L., Mitchell, J.P., Lando, D.J. Conductive anodic filament (CAF): an electrochemical failure mechanism of reinforced polymeric dielectrics 1-32918  
Welton, T.A., Nichols, T. Orbit dynamics in isochronous cyclotrons 1-43000  
Welton, T.A. *see* Martin, J.A. 1-42895  
Welty, R.K. External attachment of titanium sheathed thermocouples to zirconium nuclear fuel rods for the loss-of-fluid-test (LOFT) reactor 1-30935  
Welty, R.K., Reid, R.D. Internal attachment of laser beam welded stainless steel sheathed thermocouples into stainless steel upper end caps in nuclear fuel rods for the loss-of-fluid-test (LOFT) reactor 1-30936  
Welzel, K. Electronic anti-blocking arrangement for universal motors 1-31191  
Wempe, W.E.M.P.E. *see* Janssens, R.V.F. 1-52736  
Wemple, S.H., Niehous, W.C., Fukui, H., Irvin, J.C., Cox, H.M., Hwang, J.C.M., DiLorenzo, J.V., Schlosser, W.O. Long-term and instantaneous burnout in GaAs power FETs: mechanisms and solutions 1-40588  
Wen, W.Y. *see* Penz, P.A. 1-46591  
Wen, Y. Voltage monitor using a 555 1-48184  
Wen Da Wu *see* Wu Wen Da  
Wen Liang Huang *see* Vemuri, S. 1-49014  
Wen-Bin Ren *see* Ren Wen-Bin  
Wen-hsiung Chen Channel error effects and error protection for the combined symbol matching facsimile coding system 1-37716  
Wen-hua Zhao *see* Zhao Wen-hua  
Wen-hwa Jiang *see* Jiang Wen-hwa  
Wen-lian Hsu, Ikura, Y., Nemhauser, G.L. A polynomial algorithm for maximum weighted vertex packings on graphs without long odd cycles 1-27002  
Wen-Sheng Zhou *see* Owers-Bradley, J.R. 1-48209  
Wen-Tai Wu *see* Wu Wen-Tai  
Wen-tao Xiao *see* Xiao Wen-tao  
Wen-Yang Lee, Eldridge, J.M., Schwartz, G.C. Reactive ion etching induced corrosion of Al and Al-Cu films [VLSI circuit conductor lines] 1-46085  
Wen-Zi Li *see* Yan-zhang Wei 1-53656  
Wenchao Cheng *see* Cheng Wenchao  
Wender, S.A. A high efficiency bunching system for the TUNL polarized ion source 1-38378  
Wender, S.A. *see* Clegg, T.B. 1-43153  
Wendorff, E.R. Teleconferencing in support of medicine 1-33748  
Wendroff, B. *see* Laquer, H.T. 1-35868  
Wendt, D., Schley, H.-G. Universally applicable partly-automatic MAG-circumferential seam welding plant of Kombinat VEB LEW 1-44544  
Wendt, J. *see* Lin, A.L. 1-36456  
Wendt, K., Pollmeier, H. Prospects for district heating 1-49254  
Wendt, R. Operating and monitoring the drive of a fast-running paper machine 1-53844  
Wendlandt, B., Burkhardt, R., Steudel, G., Barth, H., Thoma, W. Television for the next millennium 1-34064  
Wenfu Hu *see* Hu Wenfu  
Weng, L.-J. Some efficient single-burst-correcting binary codes 1-29120  
Weng, R. *see* Muller, M.W. 1-46454  
Weng, W.T., Cottingham, J.G., Foelsche, H., Frey, W., Ghoshroy, S., Schmidt, C., Tuozolo, J. The AGS fast kicker magnet system 1-48342  
Weng Cho Chew, Jin Au Kong Analysis of a circular microstrip disk antenna with a thick dielectric substrate 1-28977  
Wenger, D. *see* Caruso, E. 1-38342  
Wenger, S. *see* Musil, R.J. 1-35236  
Wening, M. *see* Schneider, M. 1-39147  
Wenjun Zhuang *see* Zhuang Wenjun  
Wenke, G. *see* Albrecht, W. 1-52106  
Wenke, G. *see* Baack, C. 1-47809  
Wennerg, A. *see* Isaksson, A. 1-30460  
Wenemo-Hanssen, S.E. *see* Rolstad, E. 1-53220  
Wenston, P.R. *see* Roberts, G.B. 1-50090  
Wentworth, M.C. Electric utility solar energy activities: 1980 survey 1-53020  
Wenyan Yu *see* Yu Wenyan  
Wenying Mao *see* Mao Wenying  
Wenzel, G. The common signalling channel no.7 according to CCITT in the digital electronic telephone switching system (EWS) 1-47491  
Wenzel, R.J., Erlinger, W.G. Problems in microstrip filter design 1-45618  
Wenzhen Zhang *see* Zhang Wenzhen  
Weppeler, H.E. WARC-79 provisions for microwave radio-relay systems 1-52201  
Weppeler, R. The integrated double motor—an alternative to conventional drives for washing machines with a wide speed range 1-53801  
Weppner, W. Enhanced ionic motion in solid electrode materials 1-44347  
Werder, J. *see* Baeggli, H. 1-35423  
Werhane, J.A., Olson, R.L. A/Es view availability in plant design 1-30841  
Werk, H.-H. *see* Goss, D. 1-44479  
Werk, M. *see* Hudnik, D. 1-38946  
Werkhoven, C., Fitzpatrick, B.J., Herko, S.P., Bhargava, R.N., Dean, P.J. High-purity ZnSe grown by liquid phase epitaxy 1-32056  
Werkhoven, C.J. *see* Fitzpatrick, B.J. 1-32058  
Werndorfer, G. *see* Rossi, C. 1-53469  
Werner, A.P. *see* Schneider, W.J. 1-42829  
Werner, C. Slant range visibility determination from lidar signatures by the two-point method 1-34015  
Werner, C., Eder, A., Bernt, H. Field enhanced carrier generation in MOS-capacitors containing defects 1-32715  
Werner, C. *see* Senf, W. 1-50707  
Werner, G. *see* Siuzdak, J. 1-47163  
Werner, H.-P. The application of a colour synthesizer and RGB monitor to the imaging of metallographic sections 1-50355  
Werner, J. *see* Graener, R. 1-30402  
Werner, K.-D. *see* Knapp, J. 1-38086  
Werner, M. *see* Berkes, B. 1-52642  
Werner, M. *see* Schlude, F. 1-30541  
Werner, R. *see* Webster, R.T. 1-38626  
Werner, S.A. The value of modular instrumentation designed for automatic test equipment 1-38112  
Werner, W.M., Scheckel, B. Gate underlaid transistor [monolithic IC technology] 1-28081  
Wernick, J.H. *see* Chin, G.Y. 1-46430  
Wernicke, F. *see* Heimeier, H.H. 1-36668  
Wernicke, F.C. *see* Klein, W. 1-27422  
Wernicke, G. *see* Frankowski, G. 1-46806  
Werra, D. *see* de Werra, D.  
Werren, D.W. *see* Besset, D. 1-42776  
Werren, S. Manufacturer's tests of integrated circuits 1-50957  
Werrmann, G. *see* Hermann, L. 1-47888  
Werth, A.M., Salamoff, S.B. TDM/TDMA for domestic satellite applications 1-29715  
Wertheim, G.K. *see* Bates, C.W., Jr. 1-27749  
Wertheimer, M.R. *see* Dorianne, O. 1-28180  
Werthen, J.G., Scifres, D.R. Ohmic contacts to n-GaAs using low-temperature anneal 1-36521  
Wertz, A.H. The Kantronics Field Day 2 Morse/RTTY reader 1-37704  
Wesley, A.C., Blackie, I.T.B. Integration of sensors with displays 1-30507  
Wesley, L.D. *see* Taylor, D.K. 1-43908  
Wesolowsky, G.O. *see* Drezner, Z. 1-35825  
Wess, T. *see* Mazur, G. 1-38732

- Wessel, R.P. Simplified method checks free-end pipe connections 1-43850
- Wesselink, G.A. The fluorescent light-window lamp 1-35492
- Wessels, B.W. *see* Inuishi, M. 1-50773
- Wessels, J. *see* van Nunen, J. 1-27072
- West, D.B. *see* Sutherland, R.G. 1-39385
- West, D.J. *see* Orr, J.A. 1-43330
- West, D.L. Signal maximizing or minimizing circuit 1-45565
- West, E. Monolithic CCD filters streamline modem design 1-37796
- West, G., New, B.M. An ultrasonic velocity bore-hole logger for use in rock 1-34724
- West, J.E. *see* Gross, B. 1-32101
- West, J.E. *see* Boggs, S.A. (editor) 1-26775
- West, K. *see* Atlung, S. 1-44348
- West, L.E. Echo suppressor using a correlation detector 1-29489
- West, R.G. *see* Anderson, E. 1-34712
- Westall, F.A. Cost reduction by efficient signal processing techniques [modems] 1-42015
- Westberg, A.J. *see* Taylor, L.L. 1-49015
- Westbrook, R.D. *see* Young, R.T. 1-32603
- Westbrook, R.M. *see* Lund, G.F. 1-30024
- Westcott, B.S., Stevens, F.A. Offset dual reflector synthesis as a boundary-value problem 1-41341
- Weste, N. Virtual grid symbolic layout 1-46240
- Weste, N. *see* Ackland, B. 1-41626
- Weste, N. *see* Burr, D.J. 1-37476
- Westenskow, D.R. *see* Bowman, R.J. 1-38519
- Westera, W., Zijlstra, R.J.J. The AC impedance of electro-acoustically active CdS 1-40410
- Westerfield, J.J., Deara, S.M. Implementing stored program controlled software 1-37836
- Westerholt, H. *see* von Olshausen, R. 1-28151
- Westerlund, G.E. Soldering iron test circuit 1-50028
- Westermann, A. Oslo's new telex exchange: operation of exchange 1-47349
- Westermarck, H. Standardisation—an alternative approach to ATC automation 1-34677
- Westermeier, T.F. Parallel processing applied to digital flight control systems; some perspectives 1-52908
- Westgaard, E., Nordrik, E., Lysverker, O., Sonstad, J. The largest pump in the country 1-49339
- Westmark, C.I. *see* Norris, C.B. 1-45985
- Westmeier, W. Background subtraction in Ge(Li) gamma-ray spectra 1-30342
- Westmoreland, D. *see* Kun-Mu Chen 1-37299, 1-52134
- Weston, J.E. *see* Shemilt, J.M. 1-39112
- Weston, L. *see* Martin, G. 1-46265
- Westphal, L.C. *see* Bolton, R. 1-34626
- Westwood, W.D. *see* Maniv, S. 1-45116
- Westwood, W.D. *see* Shepherd, F.R. 1-46164
- Wetherell, A.M. *see* Jonker, M. 1-43256
- Wetherhold, E. A passive audio filter for SSB 1-40092
- Wets, R.J.-B. *see* Solis, F.J. 1-31992
- Wetzel, P. Metaloxide varistors for the protection of power semiconductor devices 1-27628
- Wetzel, P. Overvoltage protection of power semiconductor devices 1-40525
- Weverbergh, M., van Dyck, C. Investment analysis of district heating. An application to the Antwerp agglomeration 1-38853
- Wexler, A. *see* Lean, M.H. 1-51592
- Wexler, J.P. *see* Heller, S.L. 1-30411
- Wey, R.A. Proper cable choice optimizes short-link cost/performance 1-42240
- Weyden, H. von der *see* von der Weyden, H.
- Weygandt, C.N. *see* Fahim, M.A. 1-38714, 1-43549
- Weyman, P.J.D. The BCR way to better plant management 1-26837
- Weymuth, P. *see* Marinucci, C. 1-51120
- Wha-tek Kim, Chu-hyun Choe, Won Choi, Q. New anomalous photocurrent peak of the  $\text{TiO}_{2-x}$  thin film electrodes 1-53590
- Whalen, M.F. *see* Craig, J.N. 1-48818
- Whang Keh-wen *see* Keh-wen Whang
- Wharf, J.H., Bowkley, I.G., Britchford, J.M., Stagg, R.J., Tench, M.D.R., Hart, P.B. The design and performance of a 6-character 7×5-dot matrix display for cockpit use 1-48827
- Wharmby, D.O. Spectroradiometry in research and development on lamps 1-35491
- Wharton, C.B. *see* Phelps, D.A. 1-48536
- Wharton, W. The design and performance of electrically-small HF antennas 1-41358
- Whately, A. *see* Seeley, J.S. 1-46599
- Whately, P. FM receiver mixes high gain with low power 1-42158
- Whattam, M. 12 cylinder PA 6-280 achieves 1 M km 1-31565
- Wheal, H.V. *see* Jobling, D.T. 1-52452
- Whealton, J.H. Improvement of gas efficiency of negative ion sources 1-48540
- Wheat, C.G., Oster, T.N. High performance silver-zinc reserve battery for missile applications 1-30525
- Wheater, R.H. *see* Clark, R.J. 1-50853
- Wheatley, D.J. *see* Leslie, P.J. 1-26898
- Wheeler, H. *see* Rasmussen, B. 1-48682
- Wheeler, K.R. Standards for industrial plugs and sockets 1-45742
- Wheeler, N.C., Kshirsagar, A.M. Uniformly better estimators with application in two-way designs 1-44857
- Wheeler, R.V. *see* Benton, E.V. 1-52821
- Wheelock, N. A linear output Hall effect transducer for automotive systems 1-39245
- Whelan, E.W., Jr. *see* Wilson, T.G., Jr. 1-53546
- Whelan, J.M. *see* Feng, M. 1-35943, 1-50875
- Wherrett, B.S. *see* Dennis, R.B. 1-28775
- Wherry, A.B., Wilkinson, K. From analogue to digital—A regional plan [telecommunication systems] 1-29546
- Whetter, J. *see* Hall, R.D. 1-42138
- Whines, J. Planning aspects of generation and transmission 1-49036
- Whisenant, D.H. A microprocessor-controlled video insertion system for use in seeker testing 1-43406
- Whitaker, A.J.T. *see* Godwin, M.P. 1-41368
- Whitaker, B.W. *see* Dizon, F.S. 1-45808
- Whitaker, B.W. *see* Thompson, R.J. 1-45844
- Whitaker, F. *see* Edwards, M. 1-34603
- Whitaker, M. *see* Rumsby, D. 1-39755
- Whitaker, R. Keeping the surges out of the circuit 1-53133
- Whitcomb, J.D. *see* Cantrell, J.H., Jr. 1-38632
- White, A. *see* Frankel, R. 1-42799
- White, A.M. Whiter chromium in gallium arsenide? 1-27939
- White, A.T. A note on conservative graphs 1-39589
- White, B.R. *see* Hooper, R.C. 1-42273
- White, C.E. Standards are vital. I 1-33721
- White, C.E. Standards are vital. II 1-41855
- White, C.E. Belgium's austerity [telecommunications] 1-41856
- White, C.E. High telephone density in the Netherlands 1-41898
- White, C.E. Telecommunications in Switzerland: a century of informatics 1-47309
- White, C.E.T. Solder preform types and applications 1-44694
- White, C.T. *see* Nagi, K.L. 1-27875
- White, C.W., Appleton, B.R., Wilson, S.R. Laser annealing of ion implanted silicon 1-36555
- White, C.W., Christie, W.H. The use of RBS and SIMS to measure dopant profile changes in silicon caused by pulsed laser annealing 1-46061
- White, C.W. *see* Lau, S.S. 1-36524
- White, D. *see* Ayers, D.L. 1-44157
- White, D. *see* Hribar, A.E. 1-44158
- White, D.B. Fast-settling sample and hold circuit 1-50584
- White, E.M. Light-aided transfer of dry developed electrostatic images 1-28855
- White, F.R. *see* Bergendahl, A.S. 1-36566
- White, F.T. Aerial ground clamp for telephone drop wire 1-50649
- White, G. *see* Avery, R. 1-42826
- White, G. *see* Feldman, A. 1-50344
- White, G. *see* Kandiah, K. 1-34509
- White, I.H., Aspin, G.J., Carroll, J.E., Plumb, R.G. Picosecond pulse generation by lateral mode switching of (GaAl)As-heterostructure stripe lasers 1-46734
- White, J. Security provides opportunities for electrical contractors 1-39344
- White, J. *see* Reginato, L.L. 1-43061
- White, J.C., Bokor, J., Freeman, R.R. Narrowlinewidth tunable ArF\* excimer-laser source 1-51388
- White, J.C., Bokor, J., Freeman, R.R., Henderson, D. Tunable ArF\* excimer-laser source 1-37071
- White, J.C. *see* Bokor, J. 1-33277, 1-46799
- White, J.F. *see* Howard, J.K. 1-27964, 1-27965
- White, J.R. *see* Dickey, F.M. 1-46596
- White, K.I., Hornung, S., Wright, J.V., Nelson, B.P., Brierley, M.C. Characterization of single-mode optical fibres 1-46536
- White, K.I., Nelson, B.P., Wright, J.V., Brierley, M.C., Beaumont, A. Characterisation of single mode fibres 1-28504
- White, L.D., Coons, R.W., Strum, R.C. A 200-Hz to 30-MHz computer-operated impedance/admittance bridge (COZY) 1-42677
- White, L.J., Thomas, A.R., Stagg, D.J. A new design of 30 channel PCM multiplex 1-42036
- White, L.J.H. Worldwide availability and standards 1-44303
- White, L.K. Etch rates of  $\text{SiO}_2$  films in deuterated acidic fluorides 1-40523
- White, L.K., Comizzoli, R.B., Deckert, C.A., Schnable, G.L. The detection of corrosion phenomena with pH-sensitive fluorescent dyes on aluminium- and gold-metallized IC devices 1-40646
- White, L.R. *see* Saari, D.P. 1-31147
- White, L.S., Jr. *see* Mohan Rao, G.R. 1-40696
- White, M. *see* Becker, U. 1-30337
- White, M.H., Booth, R.V.H. CMOS device modeling for VLSI 1-40720
- White, M.H. *see* Lambot, J.-P. 1-47892
- White, M.H. *see* Mack, I.A. 1-40726
- White, M.N. *see* Richardson, P.W. 1-31119
- White, M.S. *see* Ross, I.N. 1-51414
- White, P. IBM's Speechfile puts calls through 1-42003
- White, P.D. *see* Murray, R.J. 1-28214, 1-36742
- White, P.J. *see* Mapps, D.J. 1-32472, 1-53577
- White, R.A. *see* Martin, T.H. 1-48297
- White, R.M. *see* Bernstein, J.J. 1-32905
- White, R.M. *see* Chen, P.L. 1-36806
- White, S.A. A simple FFT butterfly arithmetic unit 1-32276
- White, S.A. A nonlinear digital adaptive filter 1-36273
- White, S.A. Architecture for a digital programmable image processing element 1-41824
- White, S.A. An architecture for a high-speed digital signal processing device 1-45558
- White, S.A. *see* Tien-Lin Chang 1-32348
- White, T.A., Reid, G.M. Quality of PAL colour television pictures impaired by random noise: stability of subjective assessment 1-47763
- White, T.M. *see* Board, E. 1-43905
- Whiteaway, J.E.A., Thrush, E.J. Performance and characterization of GaAs-(GaAl)As double heterojunction lasers grown by metalorganic chemical vapor deposition 1-46737
- Whited, R. *see* Dabrowski, A.J. 1-34449
- Whitehead, E.G., Jr. *see* Loerinc, B. 1-50204
- Whitehead, R.W. *see* Bell, E.C. 1-49871
- Whitehill, J.W. *see* Dunn, E.C. 1-47127
- Whitehill, S. *see* Ping Lee 1-28825
- Whitehouse, H.J. *see* Speiser, J.M. 1-37542
- Whitfield, D. *see* Ball, R.G. 1-52383
- Whitfield, D. *see* Tooley, M. 1-29012, 1-29644, 1-33578
- Whitfield, J.F. Electrical craft principles. Vol. 2. 2nd edition 1-26802
- Whiting, P. Providing a TV-based display for a small computer [AIM 65] 1-34335
- Whitinger, B. *see* Chen, C.T. 1-46451
- Whitley, R. *see* Finkelstein, M. 1-44807
- Whitmore, R.W., Matis, J.H. Compartmental analysis of carcinogenic experiments: formulation of a stochastic model 1-50151
- Whitney, G.V. Thyristor bridge battery charger 1-31338
- Whitney Downer, S. A new approach to power system simulation for training and engineering analysis 1-53033
- Whitt, W. Comparing counting processes and queues 1-26983
- Whitt, W. *see* Smith, D.R. 1-41838
- Whittaker, B. *see* Glover, K.M. 1-38383
- Whittaker, F.L. Properties of sodium tin halide-mercury discharges 1-53763
- Whittaker, M. *see* Rumsby, D. 1-27103
- Whitten, B.J., Cohen, A.C. Percentiles and other characteristics of the four-parameter generalized gamma distribution 1-35788
- Whittenberg, E.L. *see* Fjetland, G.L. 1-52090
- Whittingham, M.S. Lithium incorporation in crystalline and amorphous chalcogenides: thermodynamics, mechanism and structure 1-53606
- Whittingham, M.S., Chianelli, R.R., Jacobson, A.J. Amorphous cathodes for lithium batteries 1-44350
- Whittingham, M.S., Jacobson, A.J. A mixed rate cathode for lithium batteries 1-31403
- Whittingham, M.S., Newman, G.H. Niobium triselenide in a lithium dioxolane cell 1-35342
- Whittington, H.R. *see* Wallace, A.R.S. 1-49125
- Whittington, K.R. Electrodynamic probes—principles, performance and applications 1-34730
- Whittington, D.A. *see* Kuperstein, M. 1-30438
- Whittle, G.E. *see* Bossanyi, E.A. 1-53333
- Whitworth, J.E. *see* Reinhart, E.E. 1-52204
- Who Kee Chung A repairable multistate device with arbitrarily distributed repair times 1-35696
- Wholahan, J.D., King, D.G. The state-of-the-art in medical computed tomography 1-38490
- Whorwood, R.W. *see* Richards, D.L. 1-41907
- Whritenor, J.M. *see* Rude, D.L. 1-45790
- Whyte, J.S. Girdle round the earth [submarine cable technology] 1-37850
- Whyte, D.J. An experimental 4-phase DPSK system to transmit two high-quality digital sound signals 1-45336
- Wibberley, D. *see* Ho, S. 1-31666
- Wible, P.M. *see* Murski, K. 1-32502
- Wichansky, H. *see* Thompson, R.E. 1-33068
- Wichelhaus, W. *see* Bludau, W. 1-46628
- Wichern, P. Study of instability of PZEM-grid 1-43492
- Wichmann, H., Bruggemann, H., Sunderhauf, H. Influence of service experience in German public distribution networks on the design of polymeric insulated medium voltage cables 1-49122
- Wicken, G.W. *see* Munns, F.C. 1-31587
- Wickens, F. *see* Damerell, C. 1-38450
- Wickens, F.J. *see* Damerell, C.J.S. 1-48627
- Wicker, A., Pompon, J.P. Economic assessment and comparison of alternative beta alumina electrolytes 1-53602
- Wickersham, C.E., Foster, E.L., Stickford, G.H. Reactively sputter-deposited high-emissivity tungsten carbide/carbon coatings 1-45118
- Wickersheim, K.A., Alves, R.V. A new optical technique for the measurement of temperature in RF and microwave fields 1-48257

- Wicki, A. *see* Mukherjee, D.K. 1-31047
- Wicki, L. GGAs for all [large scale communal antenna installations] 1-38030
- Wicks, F.E. *see* Mulligan, G.A. 1-34765, 1-43609
- Wicks, G. *see* Woodall, J.M. 1-32630
- Wiczer, J.J. Optical fiber tracking sensor for line focus solar collector 1-36959
- Wiczer, J.J., Cape, J.A., Harris, J.S., Jr. Gallium arsenide photovoltaic dense array for concentrator applications 1-35384
- Widdows, H. Exporting silicon integrated circuits—a success story for Plessey Semiconductors Limited 1-50985
- Widdowson, J.W. *see* Harland, E.J. 1-42349
- Widener, A.L. *see* Graves, J.E. 1-38207
- Widington, D.W. *see* Burstow, D.J. 1-26883
- Widl, W. Voltage magnitude of vacuum circuit breakers 1-31344
- Widl, W. The influence of the shield on the breakdown behaviour of vacuum interrupters 1-35273
- Widl, W. *see* Frohlich, K. 1-53579
- Widlar, R.J. Controlling secondary breakdown of bipolar power transistors 1-28005
- Widmer, A.E. *see* Harbeke, G. 1-27145
- Widom, A. *see* Clark, T.D. 1-40867
- Widrow, B. On the speed of convergence of adaptive algorithms 1-35866
- Widrow, B., Titchener, P.F., Gooch, R.P. Adaptive design of digital filters 1-37603
- Widrow, B. *see* Ferrara, E.R., Jr. 1-37500, 1-37507
- Wiecek, M. Response of a selective nonlinear active circuit to pulses with formed spectrum 1-27509
- Wiechens, H. *see* Lingay, S. 1-53566
- Wiedemann, D. *see* Burde, W. 1-43653
- Wiedemann, H. The SLAC-linac-collider (SLC) project 1-42783
- Wiedemann, H. Scaling of damping rings for colliding linac beam systems 1-48507
- Wiedemann, H. Beam-beam effect and luminosity in SPEAR 1-48516
- Wiedemann, H. *see* Richter, B. 1-42876
- Wiedemann, W. *see* Daniel, H. 1-42899
- Wieder, A.W. *see* Horng, C.T. 1-27995
- Wieder, H. *see* Clarke, T.C. 1-51141
- Wieder, H. *see* Guarnieri, C.R. 1-30122
- Wieder, H.H. Materials options for field-effect transistors 1-50949
- Wieder, H.H. *see* Meiners, L.G. 1-27826
- Wiedman, F.W. *see* Gaffney, D.P. 1-40639
- Wiedmann, L. *see* Nitz, H.M. 1-32644
- Wiedmann, S.K., Tang, D.H. High-speed split-emitter I<sup>2</sup>L MTL memory cell 1-28096
- Wiedmann, S.K. *see* Feth, G.C. 1-36193
- Wiedmann, S.K. *see* Howard, D.D. 1-27409
- Wiedmann, S.K. *see* Ning, T.H. 1-51000
- Wiedner, U. *see* Degitz, H. 1-38361
- Wieggers, W. *see* van der Krol, W. 1-39888
- Wiegmann, W. *see* Petroff, P.M. 1-45972
- Wiegmann, W. *see* Stormer, H.L. 1-36500
- Wiegmann, W. *see* Weisbuch, C. 1-40390
- Wiegner, G. *see* Parsch, C.P. 1-49504
- Wiel, J.M. Van der *see* Van Der Wiel, J.M.
- Wieman, H. *see* Gutbrod, H.H. 1-34433
- Wienberg, R., Patel, Y.C. Simulated intraclass correlation coefficients and their z transforms 1-39503
- Wiener, R., Dorrenbacher, J.S. Stability regions and spectra of discrete third-order autoregressive time-series 1-31931
- Wiener, U. The determination of the resulting error of a measuring chain 1-52322
- Wierner, W.R. *see* Goldstein, B.A. 1-52802
- Wierdl, K. The modernization of dispatching in the Hungarian electric power distribution systems 1-30735
- Wierman, J.C. Bond percolation on honeycomb and triangular lattices 1-44833
- Wierzba, H. Electro-optical features and application possibilities of the PLTZ ceramics 1-36718
- Wiese, H. *see* Thielheim, K.O. 1-28928
- Wiesel, M., Mlynski, D.A. An efficient channel model for building block LSI 1-46231
- Wiesel, M., Rothermel, H.-J., Mlynski, D.A. A design procedure for VLSI with special regard to current supply 1-40663
- Wiesemann, W., Diehl, W. Long path CO monitor: calibration and linearity of system response 1-48880
- Wiesen, E. *see* Haaga, J.R. 1-34612
- Wiesener, K. *see* Fanghanel, E. 1-35350
- Wiesenfeld, J.M. *see* Damen, T.C. 1-28738, 1-51405
- Wiesner, L. Error-corrected telegraph and data transmission over short-wave radio circuits with the new ARQ simplex terminal ARQ 1000S 1-41919
- Wiesner, W. Measurement and comparison of energy consumption in school buildings 1-44510
- Wiess, M.A. Microstrip antennas for millimeter waves 1-29027
- Wiest, J. Telecopying—tendencies towards automation 1-51933
- Wiggin, A.J. Differentiation techniques 1-32367
- Wiggin, F. Private generation provides muscle for electricity supply 1-31695
- Wiggin, F.T.F. Commercial/operational/performance effects of adding flexible multi-fuel GT/fired HRB combined cycle to Slough CHP utilities 1-49295
- Wiggins, L.L. *see* Schroeder, C.H. 1-53269
- Wiggins, R.H. Application of LSI to speech synthesis 1-33591
- Wight, D.R., Blenkinsop, I.D., Bass, S.J. The cathodoluminescence of Cr-doped GaAs prepared by MOCVD epitaxy 1-28568
- Wight, D.R., Blenkinsop, I.D., Harding, W., Hamilton, B. Diffusion-limited lifetime in semiconductors 1-40412
- Wight, J.S. *see* Kumar, S. 1-45344
- Wightman, R.M. *see* Ewing, A.G. 1-38232
- Wiik, B.H. HERA, a new stage in colliding beam facilities 1-42784
- Wiik, B.H. HERA 1-42873
- Wiik, B.H. *see* Burkhardt, H. 1-43210
- Wiitala, J.T. *see* Sarkinen, C.F. 1-43733
- Wijgert, W.M. van de *see* van de Wijgert, W.M.
- Wijntjes, G.T., Johnson, N.J.E. Performance of a passive and active optical imager in the near-mm wave part of the spectrum 1-47994
- Wikarski, D. An algorithm for the solution of linear equation systems with block structure 1-50072
- Wikberg, T. *see* Fiander, D. 1-48355
- Wikell, G. Number layout on button telephones 1-47448
- Wiksten, C.L., Brown, C.P. Monitor—an automatic bus location and communications system for Chicago 1-29657
- Wiksw, J.P., Jr. Recent developments in the measurement of magnetic fields from isolated nerves and muscles 1-48207
- Wilamowski, B. Power transistors 1-27991
- Wilbud, C.E. *see* Spencer, H.J.C. 1-33918
- Wilbur, P.J. *see* Aston, G. 1-48561
- Wilck, M., Rupprecht, W., Bottecher, B. Heat shrinkable terminations and joints for high voltage power cables 1-49152
- Wilcock, J.D. Semiconductor memories 1-32277
- Wilcox, D.M. Super-resolution algorithms in distributed real-time signal processing systems 1-41708
- Wilcox, D.M., Nichols, R.J. Optical sensor signal processing requirements for ballistic missile defense 1-41691
- Wilcox, P. *see* Sakauye, G. 1-46333
- Wilcox, P. *see* Shew, E. 1-27221
- Wilcox, R.E. *see* Walker, M.S. 1-28287
- Wild, H. State-of-the-art pressure sensors 1-34245
- Wild, S.R., Copland, W.A., McDicken, W.N. A hybrid real time/B scan ultrasonic system. Implications for clinical practice based on a two-year experience 1-34568
- Wilde, D. *see* McCormick, J.B. 1-36431
- Wilde, D.K. *see* Richardson, W.S. 1-32314
- Wilde, J.de *see* de Wilde, J.
- Wilde, P. *see* Jackson, P.C. 1-43304
- Wilde, R.L. The effects of cold load pickup on distribution transformers 1-44159
- Wilde, S. *see* Avery, R. 1-42826
- Wilden, H. *see* Ender, J. 1-41413
- Wildner, H.A. *see* Maxemchuk, N.F. 1-29378
- Wildner, R.P. *see* Gallo, A. 1-41998
- Wildman, D. *see* Kerns, Q. 1-43070
- Wilensky, R. Wide bandwidth dipole curtain antennas: a guide for shortwave broadcasters 1-29860
- Wiley, J.D., Perepezko, J.H., Nordman, J.E., Guo Kang-Jin Amorphous metallizations for high-temperature semiconductor device applications 1-36491
- Wiley, J.P. Deletion geometry for buried circuit lines 1-36395
- Wiley, P. *see* Ashok, S. 1-45979
- Wiley, R.G. Approximate FM demodulation using zero crossings 1-47104
- Wilgoss, W.H.E. *see* Cockayne, B. 1-27846
- Wilgoss, W.H.E. *see* Fairhurst, K. 1-32063
- Wilhelm, H.E., DuBow, J.B., Singh, P. Theory of coaxial wave guides with dielectric and magnetic discontinuities 1-46983
- Wilhelm, W. *see* Daniel, H. 1-42899
- Wilhelmsen, D. New technology in private exchanges 1-33895
- Wilhelmsson, H. *see* Smith, R.A. 1-41041
- Wilke, W. *see* Ries, H. 1-48603
- Wilkerson, T.D. *see* Browell, E.V. 1-34016
- Wilkes, R.B. *see* Reid, R. 1-44276
- Wilkes, S.A. *see* Hurley, R.E. 1-52483
- Wilkins, B.R. *see* Christou, A. 1-36575
- Wilkins, T.J. *see* Little, W.C. 1-38111
- Wilkinson, B. Digital clock 1-38301
- Wilkinson, C.D.W. *see* Beaumont, S.P. 1-36544
- Wilkinson, E.L. *see* Jones, J.D. 1-52475
- Wilkinson, K. *see* Wherry, A.B. 1-29546
- Wilkinson, P.N. *see* Cornwell, T.J. 1-52180
- Wilkinson, R.H. Will the real MEM please stand up? [Maximum entropy method for spectral analysis] 1-37632
- Will, F.G. Interface phenomena in advanced batteries 1-44336
- Will, T., Escudero, R. Influence of electrode resistance on tunnel junction conductance 1-40476
- Willach, R. Thermal utilisation of oil shale for the generation of electric power in conventional power stations 1-30981
- Willars, M.J., Smith, J.G., Glazebrook, R.W. Electrolyte limitations in molten salt batteries 1-44325
- Willaschek, K. Investigations of magnetic field configurations in magnetic storage technique with the aid of the magnetic powder method 1-40811
- Willats, T.F. *see* Carter, R.W. 1-40982
- Wille, K. *see* Degele, D. 1-43142
- Wille, K. *see* Nesemann, H. 1-48313
- Wille, K. *see* Rossbach, J. 1-42785
- Willemin, J.-F. *see* Dandliker, R. 1-30261
- Willems, F.M.J., Van der Meulen, E.C., Schalkwijk, J.P.M. Feedback and semi-feedback investigations for multi-user channels 1-33424
- Willems, J.L. Computer analysis of the electrocardiogram 1-38509
- Willems, W. *see* ten Kate, J.H. 1-34557
- Willemsse, A. No-break power supply for telecommunication installations 1-43624
- Willemssen, P. *see* Halberg, N. 1-43999
- Willen, E., Engelmarm, R., Greene, A.F., Herrera, J., Jaeger, K., Kirk, H., Robins, K. Magnetic properties of ISABELLE superconducting quadrupoles 1-43117
- Willen, E. *see* Kirk, H.G. 1-43105
- Willenberg, G.D. Continuous-wave far-infrared two-photon-pumped, single-photon-pumped, and Raman laser emission from <sup>14</sup>NH<sub>3</sub> 1-51368
- Willenberg, H.J., Steinhauer, L.C., Hoffman, A.L., Churchill, T.L., Rose, P.H. TRACT: a small fusion reactor based on near-term engineering 1-30943
- Willenberg, H.J. *see* Taussig, R.T. 1-30942
- Willewald, G.S. *see* Bayanov, B.F. 1-48465
- Willey, H.M. *see* Turner, E.B. 1-39103
- Willi, O., Rumsby, P.T. Filamentation on laser irradiated spherical targets 1-33301
- Williams, A.A. *see* Pearton, S.J. 1-52697
- Williams, A.B. *see* Jayne, M.G. 1-35259
- Williams, A.E. *see* Childs, W.H. 1-47580, 1-47651
- Williams, A.E. *see* Kreutel, R.W. 1-29671
- Williams, B. *see* Gammage, N. 1-42077
- Williams, B.W. Computer modelling of power thyristor circuits 1-28014
- Williams, C. Estimating real time errors in op/amp circuits 1-39948
- Williams, C. *see* Hoffman, E.J. 1-34578
- Williams, C.D., Jr. How you can optimize the QC function in your firm 1-44731
- Williams, C.M. *see* Koon, N.C. 1-46391
- Williams, C.W., Crabtree, M.C., Burke, M.R., Keyser, R.M., Burgess, S.G., Hoffman, E.J., Phelps, M.E. Design of the Neuro-ECAT: a high-resolution, high efficiency positron tomograph for imaging the adult head or infant torso 1-38492
- Williams, D., Brammer, D.J. Moment method analysis of VHF antennas on vehicles on an imperfect ground 1-41352
- Williams, D.F., Cho, F.Y., Sanchez, J.J. Temperature stable SAW devices using doubly rotated cuts of quartz 1-32950
- Williams, D.J. *see* Carter, C. 1-42940
- Williams, D.J. *see* Gelato, G. 1-42919
- Williams, D.J.A. *see* Blitz, J. 1-35994
- Williams, D.L. Role of the TRD structure in the development of a test program set as an effective maintenance tool 1-35629
- Williams, D.L. *see* Hum, R.A. 1-47932
- Williams, D.P. Transformation group C\*-algebras with continuous trace 1-44774
- Williams, D.R., Thomas, B.M. Use of a surface polarizer to reduce the spectral baseline ripple of the Parkes Telescope 1-42368
- Williams, D.R. *see* Frater, R.H. 1-27617
- Williams, D.R. *see* Krauskopf, J. 1-43277
- Williams, E. Computer PSU back-up 1-39898
- Williams, E.L.I. Digital communication devices 1-29522
- Williams, E.R., Ratcliff, D., Speed, T.P., Speed, T.P. Estimating missing values in multi-stratum experiments 1-44832
- Williams, E.R. *see* Rakes, J.M. 1-48046
- Williams, F. *see* Bucklen, W. 1-41632, 1-45369, 1-50598
- Williams, F. *see* Morton, D.C. 1-46652
- Williams, G., Gruber, J.G., Psimenatos, N. Transmission planning for local digital networks 1-41909
- Williams, G.E. *see* Akiba, S. 1-46733
- Williams, G.I., House, W.A. Thermistor controlled water/oil bath for precision measurements in the range 0-30°C 1-38308
- Williams, G.W. Ladder network analysis: poor man's CAD 1-27227
- Williams, H.E. *see* Chamberlain, E.P. 1-43154
- Williams, H.F. *see* Belsher, J.F. 1-48810
- Williams, H.P. HF communications at frequencies above the predicted MUF 1-46936
- Williams, J. IC comparators—at home in nearly any circuit 1-27535

- Williams, J. MDACs control frequency—not just amplitude—of signals 1-27564
- Williams, J. Low-cost instrument measures 4-decade power 1-30162
- Williams, J. Dual-function amp chip simplifies many circuits 1-32190
- Williams, J. Apply sample-and-hold techniques for elegant design solutions 1-45291
- Williams, J. Dual-function amplifier eases circuit design 1-45440
- Williams, J.A. Technical evaluation of a glass insulated cable system 1-43699
- Williams, J.A., Baxter, W., Collins, G., Harding, K., Leslie, C.M., Sills, R.J. The application of high gradient magnetic separation in nuclear fuel reprocessing 1-28863
- Williams, J.D. *see* Rogers, R.D. 1-43945
- Williams, J.H. *see* Sarram, M.A. 1-52359
- Williams, J.W. *see* Yu, J.S. 1-37953
- Williams, L. Automatic VLSI layout verification 1-46261
- Williams, L. Closed loop design methodology for VLSI 1-50994
- Williams, L.G. *see* Goble, L.G. 1-48002
- Williams, M.E., Hogan, T.H. (editor) National Online Meeting. Proceedings of the Second National Online Meeting 1-47363
- Williams, M.L. *see* Tao, L.J. 1-28267, 1-40835
- Williams, N. JBL speaker system handles 300 W program 1-42458
- Williams, N., Wright, P., Birand, T. Efficient design of waveguide tapers and feed horns for elliptical reflectors 1-41402
- Williams, N. *see* Birand, M.T. 1-27592, 1-41416
- Williams, P. Amplitude sensing and control [sinusoidal generators] 1-27344
- Williams, P. *see* Bhattacharyya, A. 1-46065
- Williams, P. *see* Purser, K.H. 1-48666
- Williams, P.J. *see* Eaves, L. 1-33122
- Williams, R.E. *see* Shaw, D.W. 1-32836
- Williams, R.H. *see* Montgomery, V. 1-27861
- Williams, R.H. *see* Rodriguez, M.A. 1-37590, 1-41659
- Williams, R.J., Rabaiotti, P.A., Leach, K.G. The modification of an isotope calibrator for use with SI units 1-30389
- Williams, R.S. *see* Singh, S. 1-27940
- Williams, S. *see* Al-Nimma, D.A.B. 1-53707
- Williams, S. *see* McShurley, D.G. 1-52634
- Williams, S.H. *see* Gilmore, R.S. 1-34430
- Williams, S.J.C. Rushbrook *see* Rushbrook Williams, S.J.C.
- Williams, S.W., DePaula, R.F., Keffeler, D.R., Rodenz, G.R. Voltage breakdown in a 420 MHz RFQ structure 1-48361
- Williams, S.W., Potter, J.M. Vane fabrication for the proof-of-principle radio-frequency quadrupole accelerator 1-48359
- Williams, S.W. *see* Hamm, R.W. 1-42880
- Williams, T. Ringing-tone generator 1-29496
- Williams, T. *see* Harms, E. 1-43066
- Williams, T.A. Comparative economics of small solar thermal electric power systems 1-31126
- Williams, T.A. Adder architecture 1-36203
- Williams, T.A. *see* Laity, W.W. 1-31127
- Williams, T.G. *see* McDonald, W.C. 1-41711
- Williams, T.W. High speed, low-volume data array self-test 1-27415
- Williams, T.W. Design for testability 1-40653
- Williams, W.B. System of classification of silicon power transistors in relation to thermal cycles 1-27992
- Williams, W.P. *see* Gavrilovic, A. 1-49806
- Williamson, A.C. *see* Kennedy, J. 1-49894
- Williamson, A.G. Equivalent circuit for radial-line/coaxial-line junction 1-33375
- Williamson, S., Breese, P. Twice-line-frequency pulsating torques in shaded-pole motors 1-31231
- Williamson, S., Breese, P. Shaded-pole induction motors with non-uniform airgaps 1-49462
- Williamson, S., Letzring, S., Mourou, G. Picosecond switching with photoelectrons 1-50726
- Williamson, S., Rugege, A.M. Acoustic noise and pulsating torques in a triac controlled permanent split capacitor fan motor 1-44100
- Williamson, S.G. Embedding graphs in the plane—algorithmic aspects 1-27031
- Williamson, S.J. *see* Bastuscheck, C.M. 1-48684
- Willig, R.L. A solder bond requirement for large, built-up, high-performance conductors 1-28395
- Willig, R.L. *see* Heinrich, J.P. 1-28381
- Willig, R.L. *see* Hilal, M.A. 1-33011
- Willing, H.A., Spielman, B.E. Experimental assessment of bilateral fin-line impedance for device matching 1-45596
- Willis, E. *see* Beroqui, M.C. 1-31186
- Willis, J.B. *see* Milam, D. 1-33261
- Willis, J.O., Thompson, J.D., Huang, C.Y., Luo, H.L. Low temperature magnetic and resistive behavior of the  $(\text{Eu}_{1-x}\text{Sn}_x)_2\text{Mo}_2\text{S}_8$  system 1-45957
- Willis, W. *see* Deutschmann, M. 1-34480
- Willis, W. *see* Fabjan, C.W. 1-48585
- Willis, W. *see* Ludlam, T. 1-34481
- Willis, W.J. *see* Botner, O. 1-34444
- Willis, W.J. *see* Cockerill, D. 1-43233
- Willsky, A.S. *see* Wall, J.E., Jr. 1-51831
- Willson, J.D. *see* Johnson, A. 1-34763
- Willson, J.D. *see* Johnson, W.A. 1-30625
- Willson, J.D. *see* Yan, H.H. 1-34831
- Willsted, C.J. Standby diesel power generation and associated control equipment 1-43975
- Wilmes, L. *see* Badics, G. 1-45998
- Wilmhoff, R.C. An information interchange code for communications 1-41510
- Wilmore, J.A. Efficient Boolean operations on IC masks 1-50998
- Wilmsen, C.W. *see* Goodnick, S.M. 1-50893
- Wilmunder, A. *see* Koontz, R. 1-42926
- Wilson, J.G. *see* Lamel, L.F. 1-47146
- Wilson, J.G. *see* Rabiner, L.R. 1-41567, 1-47142
- Wilson, J.G. *see* Rosenberg, A.E. 1-41590
- Wilser, W.T. *see* Maclean, D.J.H. 1-40234
- Wilser, W.T. *see* Nicolas, K.B. 1-45688
- Wilson, B. Precision current source 1-32176
- Wilson, B. Low-distortion high-output class B current convertor using error feedforward 1-40175
- Wilson, B. Twenty-five years in silicon technology 1-50987
- Wilson, D.A. *see* Karrer, H.E. 1-38502
- Wilson, D.O., Taylor, D.M., Phillips, D.H. High speed SOS and GaAs IC testing in the 1980s 1-52360
- Wilson, E.A. Analysis of heat sinks with multiple heat sources 1-50008
- Wilson, E.A. A small storage simultaneous equation solution for large bandwidth sparse matrices 1-50078
- Wilson, E.G. *see* Donovan, K.J. 1-50807, 1-51257
- Wilson, E.J.N. *see* Austin, B. 1-42891
- Wilson, E.J.N. *see* Chen, B. 1-43016
- Wilson, E.J.N. *see* Chen Bofei 1-43034
- Wilson, F.A. Elements of electronics. Book 5. Communication 1-49870
- Wilson, G. Phase-compensated voltage-controlled voltage source networks 1-45466
- Wilson, G., Papamichael, M. Phase invariant delay approximations 1-29152
- Wilson, I. Power CMOS 1-32828
- Wilson, I. *see* Brown, P. 1-43051
- Wilson, I.H. *see* Belson, J. 1-36573
- Wilson, I.H., Stephens, K.G. (editor) Low-Energy Ion Beams, 1980. Second International Conference on Low-Energy Ion Beams 1-35565
- Wilson, I.O. Magnesium oxide as a high-temperature insulator 1-28188
- Wilson, J. Automatic weather reporting 1-43414
- Wilson, J.F. A 70, 144 and 432 MHz interference filter for Band 2 FM receivers 1-52051
- Wilson, J.I.B. Solar energy 1-35397
- Wilson, J.W. Centralised storage space heating 1-53794
- Wilson, J.W. *see* Keith, C.A. 1-38925
- Wilson, M.A.D. Recirculation acceleration of high current relativistic electron beams—a feasibility study 1-48401
- Wilson, M.A.D. *see* Penner, S. 1-38340, 1-42871
- Wilson, M.J., Pickles, W.L., Vanderbeck, M., Salbeck, R.E. A high voltage, high current, low inductance, pressurised switch for parallel plate, pulsed power systems 1-44284
- Wilson, M.S. *see* Mikkelsen, J.M. 1-32311
- Wilson, P. *see* Bane, K. 1-48490
- Wilson, P. *see* Stewart, D. 1-32544
- Wilson, P.B. Prospects for very high gradient linac-colliders 1-43057
- Wilson, P.B., Bane, K.L.F., Satoh, K. A computer simulation of longitudinal single-bunch effects in electron-positron storage rings 1-43012
- Wilson, P.B. *see* Loew, G.A. 1-48468
- Wilson, P.B. *see* Richter, B. 1-42876
- Wilson, P.V. A low cost voltage controlled amplifier 1-39934
- Wilson, R. *see* Goodman, M.S. 1-34447
- Wilson, R.G. Orthogonal multilevel pseudorandom sequences and impulse sequences derived from them 1-41457
- Wilson, R.G. *see* Evans, C.A., Jr. 1-27823
- Wilson, R.G. *see* Holmes, D.E. 1-45080
- Wilson, R.G. *see* Myers, D.R. 1-45903
- Wilson, R.H. Electron transfer processes at the semiconductor-electrolyte interface 1-50849
- Wilson, R.L. *see* Brodzinski, J.R. 1-36728
- Wilson, S., Varker, C., Paulson, W. Laser processing of ion implanted semiconductor materials for device applications 1-36554
- Wilson, S.E. Evaluate the distortion of modular cascades 1-39947
- Wilson, S.G., Gaus, R.C. Power spectra of multi-h phase codes 1-29092
- Wilson, S.G., Hsu, C.-D., Highfill, J.H. Error bounds for multi-h phase codes 1-37429
- Wilson, S.G., Pizzi, S. Adaptive methods for tree encoding with speech applications 1-33548
- Wilson, S.R. *see* White, C.W. 1-36555
- Wilson, S.S. *see* Musgrave, G. 1-49267
- Wilson, T., Solymar, L. Two-dimensional coupled differential equations for degenerate four-wave mixing 1-37205
- Wilson, T. *see* Sheppard, C.J.R. 1-43464
- Wilson, T.B. Totally secure power [environmental services for computers] 1-36089
- Wilson, T.G. *see* Thottuvelil, V.J. 1-53548
- Wilson, T.G. *see* Wong, R.C. 1-53542
- Wilson, T.G., Jr. Start-up transient of a DC-to-DC converter powered by a current-limited source 1-44204
- Wilson, T.G., Jr., Whelan, E.W., Jr., Rodriguez, R., Dishman, J.M. DC-to-DC converter power-train optimization for maximum efficiency 1-53546
- Wilson, T.L., Fine, P.R., Kuhlemeier, K.V., Nowakowski, D.W., McEachran, A.B., DeVivo, M.J. Microprocessor applications for the physically disabled 1-43369
- Wilson, T.P. General models of set theory 1-39596
- Wilson, W. *see* Avery, R. 1-42826
- Wilson, W.J. *see* Dickman, R.L. 1-45645
- Wilson, W.J. *see* Silver, A.H. 1-28324
- Wilstermann, H. *see* Eickelpasch, N. 1-43198
- Wilt, D. *see* Katz, J. 1-37156
- Wilt, D.P. *see* Koch, T.L. 1-28737
- Wilt, R.E. *see* Nettles, J.L. 1-48806
- Wiltshire, R.A.P. *see* Glover, K.M. 1-38383
- Wimett, T.F., Paxton, H.C. KINGLET critical assembly: an experiment with flowing fissile solution 1-49239
- Winans, D.E. *see* Cacak, R.K. 1-43310
- Wincenciak, S. *see* Sikora, J. 1-53782
- Wincenciak, S. *see* Skoczylas, J. 1-39006
- Winch, R.G., Matson, J.L. Ku-band MIC bipolar VCO 1-32400
- Winckler, J.R. *see* Arnoldy, R.L. 1-48852
- Wind, H. *see* Lee, M.J. 1-42908
- Winde, B. *see* Klose, S. 1-35974
- Windham, J.P. *see* Schneider, A.J. 1-30408
- Windischmann, H. *see* Buckley, W.D. 1-46044
- Window, B. *see* McKenzie, D.R. 1-50321
- Windsor, R.L. *see* Griffiths, D.B. 1-26818
- Winer, I.M., Mayko, G.E., Hubbard, R.N. Statistical reasoning and technique in sensor system performance analysis 1-47993
- Winfield, A.F.T. *see* Goodman, R.M.F. 1-37425
- Winfield, J. Power-fail detector uses chip's standby mode 1-36070
- Winfree, W.P. *see* Cantrell, J.H., Jr. 1-38632
- Winfree, W.P. *see* Chern, E.J. 1-38622
- Winfrey, R.C., Riggle, C.M., Burnett, F., Read, J., Svendsen, P. Design of a high performance rotary positioner for a magnetic disk memory 1-40796
- Wing, W.F., Grasso, R.J., Mosto, J.R., Schecht, S., Baer, J.E., Chicklis, E.P. Pyrotechnically pumped laser 1-46717
- Wing, W.F. *see* Knights, M.G. 1-46719
- Wing, W.F. *see* Pollak, T.M. 1-46718
- Wing Commander Hughes, B. The in-service support of microprocessor systems—a military viewpoint of customer requirements 1-39393
- Wingate, C.A. *see* Fountain, G.H. 1-34665
- Wingate, C.A., Jr., Coughlin, T.B., Sullivan, R.M. An ultra stable optical bench for the magnetic survey satellite 1-34686
- Wingender, H.J. *see* Levi, H.W. 1-30920
- Wingfield, M. Build an intercomputer data link 1-29420
- Wingren, B.G. CMOS-processors on the way 1-40699
- Winiarski, B. State and development of power electronics in Poland on the background of world tendencies 1-39923
- Winiarski, B. Thyristor AC power transmission systems 1-43640
- Winick, H., Brown, G., Halbach, K., Harris, J. Wiggler and undulator magnets 1-38348
- Winick, H. *see* Halbach, K. 1-48391
- Winick, R.M. *see* Albrecht, H.R. 1-51780
- Winiecki, A. *see* Kupperman, D.S. 1-50349
- Wink, K.-D. *see* Brodzinski, J. 1-30986
- Winkelman, J.R., Chow, J.H., Bowler, B.C., Avramovic, B., Kokotovic, P.V. An analysis of interarea dynamics of multi-machine systems 1-34770
- Winkelmann, E. *see* Baer, H.W. 1-34516
- Winkelkemper, W. *see* Keppeler, E. 1-52703
- Winkels, H.-M. How to analyse half-baked linear vector maximum systems 1-44968
- Winkler *see* Furchert 1-31506
- Winkler *see* Furchert, H.J. 1-49725
- Winkler, A. Testing potential equalizing and guard conductors 1-27642
- Winkler, A. Measurement of loop impedance 1-38266
- Winkler, A. Testing of systems with earth leakage circuit-breakers 1-49606
- Winkler, C. Radio wave guidance at VHF through equatorial plasma bubbles 1-41236
- Winkler, G. British engineering education from German point of view 1-44612
- Winkler, R., Konz, S.A. Readability of electronic displays 1-34343
- Winkler, W. *see* Rudiger, A. 1-37200
- Winnacker, A. *see* Seely, M.L. 1-43165
- Winnard, J.R. *see* Hicks, W.W. 1-28057
- Winnberg, A. *see* Panherz, H. 1-43334
- Winograd, S. *see* Cooley, J.W. 1-41741
- Winoslawski, W.N., Taradaj, W.I. The design of an electric power supply network for industrial concerns 1-43654
- Winoslawski, W.N. *see* Butz, U. 1-44257

- Winsbury, R. An experience report [Prestel] 1-29411
- Winslow, J.W. *see* Borden, T.J. 1-36348
- Winster, A.E. *see* Coleman, M.V. 1-27723
- Winston, J.G. *see* Stein, W.E. 1-37047
- Winston, K.J. *see* Kleitman, D.J. 1-27021, 1-39571
- Winter, A.E., Gray, D.A. Simplementation of digital communication links on the Anik C satellite system 1-47623
- Winter, E. Automatic data collection system development for a power distribution network 1-38746
- Winter, E. *see* Belke, W. 1-38736
- Winter, E.M. Causes of clutter for earth background staring sensors 1-42546
- Winter, G., Nicolae, V., Chiroiu, V., Albrecht, A. Research regarding the decrease of the mechanical stresses due to wind induced vibrations on OHEL [overhead lines] 1-34895
- Winter, K. Some detector arrangements at LEP 1-43225
- Winter, M. Double super servo circuits for high fidelity amplifiers 1-42467
- Winter, M. *see* Schultze, N. 1-34092
- Winter, R. *see* Behr, J.P. 1-29482
- Winter, R. *see* Behr, J.-P. 1-29506
- Winter, R. *see* Pifko, A.B. 1-45015
- Winter, W., Koger, E. Interconnection of microprocessors for the control of an experimental switching system 1-33882
- Winter, W.R. *see* Green, M.A. 1-42793
- Winter, W.R., Jr. *see* Rowe, E.M. 1-48555
- Winterberg, F. Collective electrostatic super-accelerator 1-48412
- Winterstatter, A. *see* Schwenzfeier, W. 1-34376, 1-52579
- Wintle, H.J. Electrothermal breakdown: analytic solutions for currents and fields 1-51035
- Winz, R. Application of numerical field analysis to induction machines 1-53452
- Winz, R. *see* Muller, W. 1-53346
- Winzer, G. *see* Stockmann, M. 1-29749
- Wipf, S.L. Some experiments on liquid helium heat transfer. Characteristics affecting stability of superconducting magnet operation 1-28384
- Wirgau, K.A. *see* Happ, H.H. 1-48976
- Wirgau, K.A. *see* Johnson, A. 1-34763
- Wirgau, K.A. *see* Johnson, W.A. 1-30625
- Wirick, P.G. *see* Floyd, R.E. 1-34194
- Wirtenson, G.R. *see* Milam, D. 1-33261
- Wirth, H. *see* Huck, B. 1-43131
- Wirth, M.J., Sanders, M.J., Koskelo, A.C. Generation of picosecond pulses from a cavity-dumped synchronously pumped dye laser 1-28664
- Wirth, W.D. Sequential detection with a phased array radar 1-42338
- Wirth, W.-D. *see* Haydl, W.H. 1-37968
- Wirtz, A.R. *see* Acker, A.R. 1-48873
- Wischgoll, K.J. Semi-open stereo headphones 1-34125
- Wise, J., Schoenwald, J., Staples, E. Impedance characterization and design of 2-pole hybrid SAW resonator filters 1-36768
- Wise, J. *see* Lao, B.Y. 1-46375
- Wise, J. *see* Schoenwald, J.S. 1-36767
- Wise, J.A. Data requirements for a reconnaissance surface station 1-37784
- Wise, J.H. *see* Mohlmann, M.A. 1-46431
- Wise, T. *see* Haeblerli, W. 1-43150
- Wiskie, K. Operating results of a heat pump system in an office and warehouse building 1-44509
- Wisliceny, J. Linear scanning systems in the form of Mitra-Sherwood ladder structures of the 1st order. II 1-50537
- Wisman, T. *see* De Vries, J. 1-48712
- Wisniewski, G. *see* Adaszewski, W. 1-47306
- Wisniewski, J. *see* Jalocho, A. 1-43636
- Wisniewski, W. *see* Dudek, B. 1-38640, 1-53070
- Wispelaere, A. *see* De Wispelaere, A.
- Wissink, S.W. *see* Dunham, J.S. 1-43168
- Wistbacka, H. Transformers for pole stations 1-31274
- Wisted, J.M., Kvam, P.P.  $^{121}\text{I}$  gate arrays for peripheral products [CAD] 1-40076
- Wiswall, R. *see* Makowitz, H. 1-49238
- Wit, C. *see* de Wit, C.
- Withayachamnankul, W. *see* Green, M.A. 1-44378
- Witherell, M.S. *see* Cester, R. 1-34429
- Withers, D. The effect of WARC-79 on efficient use of the geostationary satellite orbit 1-52206
- Withers, R.S., Silversmith, D.J., Mountain, R.W. MNOS/CCD nonvolatile analog memory 1-46310
- Withman, R.L. A system for the real time exploitation of digital synthetic aperture radar data 1-52144
- Withnell, R. *see* Ewing, A.G. 1-38232
- Witkover, R. *see* Brown, H. 1-48364
- Witkover, R.L. *see* Barton, D.S. 1-43183
- Witkowski, A. *see* Swatowski, A. 1-46819
- Witkowski, L.C. *see* Stanchak, C.M. 1-35956
- Witmer, E.A. *see* Meredith, D. 1-39634
- Witowski, D. The benefits of using modern cable assembly and testing techniques 1-26903
- Witschew, B., Derwischev, S. The amplitude stabilisation and modulation of microwave signals with a PIN diode 1-50466
- Witsenhausen, H.S. On team guessing with independent information 1-39521
- Witsmeer, A.J. *see* Nettles, J.L. 1-48806, 1-48890
- Witsmeer, A.J. *see* Noges, E. 1-48814
- Witsmeer, A.J. *see* Slack, L.L. 1-48801
- Witt, A. *see* De Witt, A.
- Wittberg, T.N., Wolf, J.D., Harmer, R.S. Some comparative surface studies of two types of nickel matrix cathode 1-40343
- Wittchow, G. *see* Baust, E. 1-43857
- Witte, E. Information systems and society. Conditions and effects in the development of new telecommunication systems 1-29287
- Witte, H.-H. Passive T-bus with asymmetrical 4-port couplers 1-33968
- Witte, K.-H., Heinlein, W. About the spectral dependence of the refractive-index profile of optical fibres given a linear relationship between refractive index and doping level 1-36874
- Witte, K.J. On the determination of the stored optical energy of an atomic iodine laser amplifier from the energy measured in the free running mode 1-41055
- Witte, K.-J. *see* Fill, E.E. 1-37063
- Witten, I.H. Digital storage and analysis of speech. I. Storing waveforms digitally 1-41549
- Witten, I.H. Digital storage and analysis of speech. II. Coding in the time domain 1-47159
- Witten, I.H., McCrear, P.G. Suppressing limit cycles in digital incremental computers [used in digital filters] 1-40111
- Wittenberg, L.J., Harris, M.J. Management of large, operational solar pond 1-31123
- Wittie, L.D. *see* van Tilborg, A.M. 1-37765
- Wittig, C. *see* Fischer, T.A. 1-46669
- Wittig, F., Pietzsch, H. New solution of a device for controlling of the detuning degree of neutral earthed resonance networks 1-30792
- Wittig, F. *see* Hoy, C. 1-52043
- Wittmaack, K. *see* Tsieng, P.H. 1-27929
- Wittmer, L.L. *see* Richardson, W.S. 1-32314
- Wittstock, G. An operator class of Hahn-Banach set 1-35715
- Wittwer, K. Has the protective fuse lost its usefulness? I 1-44022
- Wittwer, K. Has the fusible cutout had its day? II 1-50662
- Wittwer, W. *see* Auschitz, B. 1-33179
- Witzeling, W. *see* Botner, O. 1-34444
- Wizgall, M., Kraemer, W., Mayer, J. Control data flow within the analogue concentrator of the IFS 1-37825
- Wloch, A. Simple scheme for teletype signal masking 1-29103
- Wlodarski, W., Moeschke, B. Analysis of the effect of mechanical stress on the effective mobility of charge carriers in inversion layers of P/MOS structures 1-50834
- Wlodarski, W. *see* Moeschke, B. 1-36506
- Wloka, P. Selected methodological problems in the investigations of microelectronic hybrid circuit reliability 1-40329
- Wloka, P. *see* Wasowicz, Z. 1-50705
- Wnek, G. *see* Feldblum, A. 1-32892
- Wodschadlo, K. *see* Jaumann, R. 1-38817
- Woelffer, D.R. *see* Segro, N.R. 1-26944
- Woffinden, D.S. *see* Hill, G.E. 1-34715
- Wohlens, M.D. *see* Solie, L.P. 1-37969
- Wohlfarth-Buttermann, K.-E. *see* Achenbach, F. 1-28581
- Wohlleben, K. *see* Rupp, G. 1-51114
- Wojciechowska, I., Sliwinski, A. Examination of vibration amplitude distribution of ultrasonic transducers using optical holography with a modulated reference beam 1-48923
- Wojciechowski, J., Jasinski, H. Telecommunication: an indispensable element of the Health Service [in Poland] 1-33731
- Wojciechowski, J. *see* Konczykowska, A. 1-27225
- Wojciechowski, W. Automatic phase meter for the 3 cm band 1-48132
- Wojczyk, K. Steam turbine cylinder repair 1-43915
- Wojnar, A. Interference of correlated radio signals with Rayleigh fading 1-51602
- Wojtyna, R. Simple RC oscillator retuned by resistor 1-36127
- Wokusch, H. *see* Salzmann, T. 1-31515
- Wolbarsht, M.L., O'Foghluha, F.A., Sliney, D.H., Guy, A.W., Smith, A.A., Jr., Johnson, G.A. Electromagnetic emission from visual display units: a non-hazard 1-30484
- Wolber, J. *see* von Vignau, R. 1-33779
- Wolber, W.G. Sensors in the 1980s. Where we are today 1-42594
- Wold, A. *see* Van Son Nguyen 1-33105
- Wold, H. *see* Boardman, A.E. 1-44852
- Wolejsza, C. *see* Chakraborty, D. 1-47632
- Wolf, D., Weber, H.P., Denker, T. Information rates of time-discrete stationary Gaussian sources 1-33437
- Wolf, D. *see* Denker, T. 1-37583
- Wolf, D. *see* Mimaki, T. 1-50148
- Wolf, G. Laying of power cables till 1 kV at the German State Railway (DR) 1-30781
- Wolf, G. *see* Albrecht, W. 1-52106
- Wolf, H.E. Control of prosodic parameters for a formant synthesizer based on dipone concatenation 1-37448
- Wolf, J.D. *see* Richter, G. 1-53854
- Wolf, J.D. *see* Wittberg, T.N. 1-40343
- Wolf, J.J., Field, K.D. Real-time speech coder implementation at 9.6 and 16 kb/s 1-41556
- Wolf, J.K. *see* Heller, J.A. 1-33535
- Wolf, K.L. *see* Gutbrod, H.H. 1-34433
- Wolf, M. Transport velocity transformation; a convenient method for performance analysis of multilayer solar cell structure 1-39120
- Wolf, M. Photovoltaic solar cells: flat panels 1-49674
- Wolf, M. Module and solar cell values as a function of efficiency 1-49700
- Wolf, M. Module and solar cell values as function of efficiency 1-53670
- Wolf, M. *see* Janai, M. 1-50318
- Wolf, M.A. *see* Hiebert, R.D. 1-34425
- Wolf, M.A. *see* Waechter, D.A. 1-34546
- Wolf, O. Two-coordinate measuring instruments with and without computer application 1-47887
- Wolf, R. *see* Billan, J. 1-48530
- Wolf, S.A., Gubser, D.U., Francavilla, T.L., Skelton, E.F. Materials and device aspects of some high  $T_c$  superconducting films 1-46464
- Wolf, S.A. *see* Refai, T.F. 1-28330
- Wolf, S.A. *see* Weiser, K. 1-51139
- Wolf, T.M. *see* Taylor, G.N. 1-27713
- Wolfe, A.L. *see* Hirayama, C. 1-31642
- Wolfe, G.W. Calculation of detection efficiency for beryllium-8 1-38415
- Wolfe, P.R. Photovoltaic systems for power generation 1-49366
- Wolfe, R., Muehlnher, D.J., Nelson, T.J. Bubble rectifiers and reverse rotation transfer gates based on gaps in ion implanted propagation patterns 1-46445
- Wolfe, R. *see* Bobeck, A.H. 1-46450
- Wolfe, R. *see* Vella-Coleiro, G.P. 1-46395
- Wolfe, W.L., Nagler, M. Conceptual design of a spaceborne lighting sensor 1-48858
- Wolfe, W.L. *see* Scholl, M.S. 1-42535
- Wolfenberger, S.A. *see* Patel, J.N. 1-47989
- Wolfer, P.H., Crowley, J.D., Fank, F.B. A low-noise solid-state amplifier for replacement of a Ka-band TWTA 1-45694
- Wolff, A. CMOS regulators improve battery-powered equipment 1-32162
- Wolff, C.F. Printed wiring board connector 1-40312
- Wolff, D., Pfeffer, H., Briegel, C., Dinkel, J. Improving regulation in the Fermilab main ring magnet power supply system 1-48286
- Wolff, E.A. An R&D laboratory case study 1-31796
- Wolff, H.-P. Optimal size of substation and initial load for low-voltage cable networks in new developments 1-49019
- Wolff, H.-P. Optimum substation size and initial-utilization factor for low-voltage networks in newly built-up areas 1-53514
- Wolff, I. *see* Solbach, K. 1-41309, 1-45654
- Wolff, P.A. *see* McManus, J.B. 1-51519
- Wolff, P.K., Sr., Ruehli, A.E. Inductance computations for complex three-dimensional geometries [LSI CAD] 1-46226
- Wolff, R.F. Computers in T&D 1-30596
- Wolff, W. Experiences with ELMAG—a programme system for computing electrodynamic fields 1-53348
- Wolfgang, E. Electron beam testing of ICs: state of the art 1-32870
- Wolfgang, E. *see* Crichton, G. 1-40659
- Wolfgang, E. *see* Fazekas, P. 1-46185
- Wolfgang, F. *see* Voute, C.L. 1-42715
- Wolfgang Gross, G. Dielectric response of doped ice measured with linear blocking layers 1-34365
- Wolffhard, D. Coating thickness distribution and coating thickness variation in the electroplating of small components 1-34373
- Wolffowicz, W. *see* Buglia, O. 1-47204
- Wolfram, R. Beam alignment between Pierce electron gun and constant magnetic fields 1-36422
- Wolfram, A.P. *see* Schlude, F. 1-30541
- Wolfson, R.I., Cho, C.F., Hockham, G.A. An evanescent-mode waveguide frequency-scanning feed 1-51752
- Wolfson, R.I. *see* Hockham, G.A. 1-41411
- Wolinski, W., Nowicki, M., Niechoda, Z., Lemanowicz, J., Zietek, J. Investigation of the possibility of the laser trimming of ceramic capacitors 1-50637
- Wolk, C., Gottsmann, H., Marschall, P., Petermann, K., Pfister, W., Vollmer, H.-P. Criteria for designing V-groove lasers 1-37127
- Wolkenfelt, P.H.M. Reducible quadrature methods for Volterra integral equations of the first kind 1-45064
- Wolkstein, H. *see* Dornan, B. 1-27325
- Wolkstein, H.J. *see* Kumar, M. 1-32216
- Wollan, J. *see* Thullen, P. 1-30230
- Wollan, J.J. *see* Walker, M.S. 1-31669
- Wollenberg, B.F. *see* Masiello, R.D. 1-34771
- Wollenberg, B.F. *see* Mikolinnas, T.A. 1-34782

- Wollenberg, B.F. *see* Pang, C.K. 1-53024, 1-53025, 1-53026
- Wollherr, H. Room-acoustics expedients in a television studio for productions with symphony orchestras 1-42374
- Wollnik, H. A Q-value for time-of-flight separators 1-48661
- Wollnik, H. *see* Munzel, J. 1-48547
- Wollschläger, M. *see* Baer, G. 1-39918
- Wolpert, S. *see* Kang, S.D. 1-27472
- Wolpert, T. *see* Onerud, K. 1-39926
- Wolsey, L.A. Integer programming duality: price functions and sensitivity analysis 1-27043
- Wolsey, L.A. A resource decomposition algorithm for general mathematical programs 1-35849
- Wolsheimer, E.A. Optimization of potential profiles in junction charge-coupled devices 1-40587
- Wolsheimer, E.A. *see* Noorlag, D.J.W. 1-31773
- Wolter, W.G.G. Telecommunication: lifeblood of economic, social development 1-29263
- Won Choi, Q. *see* Wha-tek Kim 1-53590
- Won Yu, P. Photoluminescence and photoconductivity study of the 1.10 eV energy level in Fe-doped InP 1-28561
- Won-Lon Hoi *see* Fujita, S. 1-40468
- Wong, C.K. *see* Bongiovanni, G. 1-28256, 1-37669, 1-47275
- Wong, C.K. *see* Lee, D.T. 1-50971
- Wong, C.P.C. *see* Schultz, K.R. 1-30944
- Wong, C.Y. *see* Schnurmman, H.D. 1-36186
- Wong, C.Y. *see* Sutcliffe, H. 1-45285
- Wong, D. *see* Fancott, T. 1-52791
- Wong, D.Y., Juang, B.H., Gray, A.H., Jr. An 800 BPS speech compression system based on vector quantization 1-33875
- Wong, D.Y., Juang, B.H., Gray, A.H., Jr. Recent developments in vector quantization for speech processing 1-37437
- Wong, E. *see* Teng, T.C. 1-51015
- Wong, G. *see* Mullani, N.A. 1-34579
- Wong, H.P. *see* Ortgies, H. 1-49576
- Wong, J., Siu, P., Ebel, M. A 45 ns fully-static 16K MOS ROM 1-28128
- Wong, J. *see* Garrison, J.C. 1-51312
- Wong, J.L., King, H.E. A wideband low-sidelobe disc-o-cone antenna 1-51693
- Wong, J.W., Moura, J.A.B., Field, J.A. Hierarchical modelling of local area computer networks 1-29452
- Wong, J.Y., Parrish, W.J., Markum, A.D. Advanced design concepts for mosaic focal plane assembly 1-47981
- Wong, J.Y. *see* Carlson, D.J. 1-47980
- Wong, K. *see* Fox, S.J. 1-37422
- Wong, K.C. *see* Scarpetti, R.D. 1-48415
- Wong, K.M., Aatre, V.K., Ramamurthy, N. Properties and applications of some periodically varying digital signal processors 1-29166
- Wong, K.M. *see* Schenker, P.S. 1-41834
- Wong, K.P., Sutanto, D., Humpage, W.D. Electromagnetic transients in power systems. V. Modal and multi-node formulations 1-53057
- Wong, K.P., Sutanto, D., Nguyen, T.T., Humpage, W.D. Electromagnetic transients in power systems. IV. Filtering in direct time-domain analysis 1-53056
- Wong, K.Y. *see* Langdon, G.G., Jr. 1-47124
- Wong, N.S. *see* Peng, S.Y. 1-52156
- Wong, R.C. Net synthesis and device recognition for layout verification 1-46200
- Wong, R.C., Owen, H.A., Jr., Wilson, T.G. Parametric study of minimum reactor mass in energy-storage DC-to-DC converters 1-53542
- Wong, R.C. *see* Banker, D.C. 1-46199
- Wong, R.Y. Analog and digital processing of aerial images 1-29196
- Wong, R.Y. Radar and optical edge measurements 1-47712
- Wong, R.Y., Jafarpour, M.R. Optical system with fiber optical elements 1-33048
- Wong, R.Y., Lee, M.L., Hardaker, P.R. Airborne video image enhancement 1-41695
- Wong, S.K. *see* Tong, B.Y. 1-40987
- Wong, T. *see* Koehler, T. 1-47985
- Wong, W.C., Steele, R. Adaptive discrete cosine transformation of pictures using an energy distribution logarithmic model 1-52248
- Wong Chi Song *see* Chi Song Wong
- Wonnay, J.R. Micro-processors in programmable time switches 1-27554
- Woo, K. Array-fed reflector antenna design and applications 1-41367
- Woo, K. *see* Huang, J. 1-51750
- Woo, K.T. *see* Liu, K.Y. 1-29118
- Woo, L.K. *see* Flanagan, K.L. 1-41704
- Wood, B.R.A. The use of acoustic emission in non-destructive testing and structural integrity assurance 1-39825
- Wood, C. Analysis of microstrip circular patch antennas 1-28986
- Wood, C. *see* Hall, P.S. 1-41428
- Wood, C. *see* James, J.R. 1-28999
- Wood, C. *see* Van Rees, B. 1-50303
- Wood, C.B.B. Interchangeability between film and tape for worldwide distribution 1-34110
- Wood, C.C. *see* Board, K. 1-36622
- Wood, C.E.C. Novel device structures by molecular beam epitaxy 1-45095
- Wood, C.E.C. *see* Barnard, J. 1-37949, 1-46054
- Wood, C.E.C. *see* Eastman, L.F. 1-50792
- Wood, C.E.C. *see* Metzke, G.M. 1-50304
- Wood, C.E.C. *see* Morgan, D.V. 1-45978
- Wood, C.E.C. *see* Okamoto, K. 1-32699
- Wood, C.E.C. *see* Wang, W.I. 1-35945
- Wood, D. Jaguar to fly by wire 1-34655
- Wood, G.H., Dunn, A.F. The realization of the internationally adopted 'Josephson volt' in Canada 1-30212
- Wood, H.S. *see* Blower, R.W. 1-35321
- Wood, J.H. *see* Allan, A.H. 1-42742
- Wood, L.A. *see* Sutherland, R.G. 1-39385
- Wood, O.R., Silfvast, W.T., Szeto, L.H. Segmented-plasma-excitation recombination lasers 1-51383
- Wood, O.R. *see* Smith, P.W. 1-41046
- Wood, O.R., II *see* Silfvast, W.T. 1-51333
- Wood, P., Pityk, P.E., Johnson, F.O. Design philosophy for a 3.5 MW DC to AC converter in the CDIF MHD test facility 1-44202
- Wood, P., Sr., Pityk, P.E., Johnson, F.O. Design philosophy for a 3.5 MW DC to AC converter in the CDIF MHD test facility 1-49586
- Wood, R.F., Giles, G.E. Control of melt-front velocity during pulsed laser annealing 1-32728
- Wood, R.F., Kirkpatrick, J.R., Giles, G.E. Macroscopic theory of pulsed-laser annealing. II. Dopant diffusion and segregation 1-46058
- Wood, S.L., Morf, M. A fast implementation of the minimum variance estimator for CT image reconstruction applications 1-37545
- Wood, S.L. *see* Treichler, J.R. 1-42407
- Wood, T., Jr. Building the audio in audio-visual 1-52290
- Wood, T.L. Post-detection sidelobe cancellation [for radar receivers] 1-42306
- Wood, W.A. *see* Mozer, J.D. 1-30701
- Wood-hi Cheng The optimum power coupling from GaAs lasers into spherical-ended fibers 1-28468
- Woodage, R. Designers' guide to c.l.c.b.s for industry 1-53565
- Woodall, D.R. *see* Bollobas, B. 1-44920
- Woodall, J.M., Rupprecht, H., Chicotka, R.J., Wicks, G. Proximate capless annealing of GaAs using a controlled-excess As vapor pressure source 1-32630
- Woodall, J.M. *see* Chappell, T.I. 1-31454
- Woodall, J.M. *see* Hoffmann, H.J. 1-32759
- Woodall, J.M. *see* Kirchner, P.D. 1-35942
- Woodcock, J.P. *see* Clifford, P.C. 1-30401
- Woodcock, S. Cathode ray tubes and plasma panels as display devices for aircraft displays 1-30508
- Woodcock, W.G., Mann, J.A. Multi-hundred kW solar arrays for space 1-31467
- Wooderson, E.C., Ellis, T.J. AC electrification—its effect on signalling and communications 1-33909
- Woodfine, J.J., Stuart, D.B. ATE for the surface Navy 1-38116
- Woodford, D.A. *see* Bahrman, M.P. 1-43646
- Woodham, R.J. Using digital terrain data to model image formation in remote sensing 1-48886
- Woodhead, A.W. Image tubes and their applications 1-32577
- Woodhead, J. *see* Newman, R.C. 1-27810
- Woodle, M.H. ISABELLE superconducting power distribution system 1-48278
- Woodruff, G.L. *see* Morton, R.E. 1-48597
- Woods, C. *see* Finch, T. 1-52823
- Woods, D. Application of the bilinear transform to 6-port reflectometer analysis [calibration process] 1-42733
- Woods, D. *see* Granville-George, D.A. 1-42534
- Woods, E.J. Eddy current losses in solid iron with DC offset 1-44027
- Woods, J. *see* Fan, X.W. 1-33159, 1-33164, 1-46171
- Woods, J.G., Hodge, M.H., Ryley, J.F., Jr. A military six fiber hermaproditic connector 1-33069
- Woods, J.W., Ingle, V.K. Kalman filtering in two dimensions: further results 1-33685
- Woods, J.W., Paul, I., Sangal, N. 2-D direct form, recursive filters design with magnitude and phase specifications 1-40124
- Woods, J.W. *see* Paul, I. 1-47200
- Woods, J.W. *see* Stark, H. 1-29184, 1-33686
- Woods, P. *see* Hrul, P. 1-33946
- Woods, R. Fuel cells for power production 1-44352
- Woods, R.E., Gonzalez, R.C. Real-time digital image enhancement 1-29183
- Woodside, A.G., Jr. Fiberglass lighting poles installed 1-34924
- Woodward, A.C., Hoover, W.M. Passive terrain following using stored map and Global Positioning System 1-52905
- Woodward, B. *see* Chandra, R.C. 1-48188
- Woodward, D. *see* Eastman, L.F. 1-50792
- Woodward, D.W., Kirchner, P.D., Schaff, W.J., Tiwari, S., Stall, R., Eastman, L.F. Solubility and distribution coefficient of chromium in GaAs grown by liquid phase epitaxy 1-50789
- Woodward, D.W. *see* Metzke, G.M. 1-50304
- Woodward, J. *see* Jones, G.R. 1-50331
- Woodward, J.L. *see* Forster, M.K. 1-43573, 1-52985
- Woodworth, A. High-voltage GTO thyristors streamline power-switching circuits 1-45257
- Woodworth, A. *see* Burgum, F. 1-28008
- Woodworth, J.R. *see* Olson, C.L. 1-48295
- Woody, C. *see* Botner, O. 1-34444
- Woody, T.W. A color write-through Direct-View Storage Tube [CRT displays] 1-52405
- Woolhouse, G.R. Generation of dislocations in optoelectronic materials and their behaviour during optical excitation 1-50745
- Woolhouse, S.P. *see* Adams, P.F. 1-41886
- Woollett, J. *see* Solomonides, C. 1-41967
- Woolley, J.L. *see* Bevan, J.S. 1-42033
- Woolverton, H.L. *see* Martin, S.D., Jr. 1-48599
- Wootley, R.L. *see* Higgins, S.B. 1-48736
- Wooten, D. *see* Eaton, S.S. 1-32307
- Wooten, D. *see* Galloway, D. 1-27387
- Worchesch, T.L. *see* Crowne, F.J. 1-46667
- Wordeman, M.R., Dennard, R.H. Threshold voltage characteristics of depletion-mode MOS-FETs 1-50933
- Wordeman, M.R. *see* Chao, H.H. 1-28129
- Workman, M. Digital pseudorandom number generator produces analog noise for testing 1-34301
- Workman, R. *see* Bourne, J. 1-42071
- Worledge, D.H. SRS experiences in risk assessment 1-35013
- Worley, E.R. Weak inversion characteristics of the fully depleted SOS MOSFET 1-36628
- Worm, S.C.J. Radiation patterns of circular apertures with prescribed sidelobe levels 1-29687
- Worm, S.C.J. Optimum performance indices of aperture antennas with and without pattern constraints 1-41328
- Wormgoor, H.J. The energy production of windmills 1-44015
- Wormhoudt, D.T. *see* Schroeder, C.H. 1-53269
- Worner, R. *see* Grutzmacher, B. 1-31721
- Woronecki, J. *see* Jujszczyk, S. 1-53078
- Woronzoff, N. *see* Meier, P.J. 1-47735
- Worrell, R.B., Stack, D.W., Hulme, B.L. Prime implicants of noncoherent fault trees 1-39441
- Worrest, R.W. *see* Jorgensen, P.C. 1-42122
- Worsnip, D. *see* Kurzfeld, A. 1-36659
- Worth, J.D. The development of a load management program 1-43581
- Worthington, B. Leak checking ion implanters and other high vacuum production equipment 1-46060
- Worthington, P. Installation of a trial optical fibre cable designed for transoceanic submarine telecommunications systems 1-33915
- Wortman, D.E., Dropkin, H., Leavitt, R.P. Millimeter-wave orotron oscillation. II. Experiment 1-51486
- Wortman, D.E. *see* Dropkin, H. 1-45859
- Wortman, D.E. *see* Leavitt, R.P. 1-51300
- Wortmann, J.C. An information system for production control in a diffusion department: application of a design methodology 1-39387
- Wouk, V. *see* Campbell, E.A. 1-31588
- Woyce, G.M. *see* Higgins, S.B. 1-48736
- Wozniak, G.J., Richardson, L.W., Maier, M.R. Time-walk characteristics of an improved constant fraction discriminator 1-34513
- Wrabetz, V.E., Lemke, W.R., Tucker, J.T., Mikulich, J.B. Remote control of electromagnetic devices from long distances 1-46861
- Wrage, S. *see* Schnellenbach, G. 1-30875
- Wren, P.E., Davison, L.D. Search and rescue emergency locating transmitter detection/location procedure via TIROS satellite 1-29708
- Wrench, E.H., Jr. A realtime implementation of a text independent speaker recognition system 1-37458
- Wright, A.G. Determination of the multiplier gain of a photomultiplier 1-40365
- Wright, A.G. *see* Cory, C. 1-34432
- Wright, A.G. *see* Stapleton, R.J. 1-32593
- Wright, A.H. The octahedral algorithm, a new simplicial fixed point algorithm 1-39626
- Wright, A.J. *see* Watson, J.M. 1-48559
- Wright, D.A., Viterbi, A.J. Burst, aggregate, and user rate issues in small TDMA Earth station design 1-29700
- Wright, D.E. The use of photovoltaic pumps for small-scale irrigation in the developing world: a progress report on the UNDP/World Bank project 1-53661
- Wright, E.M. The number of connected sparsely edged graphs. III. Asymptotic results 1-39586
- Wright, H.C. *see* Eaves, L. 1-33122
- Wright, H.C. *see* Jay, P.R. 1-30235
- Wright, J.V. *see* White, K.J. 1-28504, 1-46536
- Wright, J.W. *see* Isbell, T.D. 1-29890
- Wright, K. Gate tester 1-27445
- Wright, L.H. *see* Fox, J.D. 1-42778
- Wright, M.E. *see* Clegg, T.B. 1-43153
- Wright, M.T. *see* Davies, E.J. 1-35188
- Wright, P. *see* Williams, N. 1-41402
- Wright, P.J.G. Removal of deteriorating steel components from within the Bradwell reactor vessels 1-53215
- Wright, P.V., Haus, H.A. A closed-form analysis of reflective-array gratings 1-36780
- Wright, P.V. *see* Haus, H.A. 1-36779

- Wright, S.C. *see* Hargrove, C.K. 1-43237  
Wright, S.W. *see* Lee, M.J. 1-50953  
Wright, T. *see* Ayers, D.L. 1-44157  
Wright, W.L. Magnetic head arm assembly 1-51088  
Wright, W.L. *see* Addy, J. 1-46584  
Wright, W.M. *see* Mann, J.C. 1-27288  
Wrobel, J.J. *see* Howe, D.G. 1-34103  
Wroblewska, S., Stecki, A. The ZAZ-GTC automatic protection systems of combined heat and electric power units 1-43782  
Wroblewski, W.L. *see* Bonin, J. 1-49449  
Wrona, J. The RTM-1 controller and its application to active power and frequency control of small turbo-sets 1-49403  
Wronski, C.R. *see* Abeles, B. 1-49670  
Wrulich, A. *see* Degele, D. 1-43142  
Wrulich, A. *see* Kose, R. 1-48461  
Wrulich, A. *see* Rossbach, J. 1-42785  
Wszolek, W. *see* Hartman, M. 1-31321  
Wu, A.Y. *see* Bensted, D.J. 1-39255  
Wu, C., Kim, Y.B., Cheng, T.C., Nishimura, S., Rodriguez, G.D. A thermal model and its application to semiconductively glazed insulators 1-38792  
Wu, C. *see* McCarthy, P.F. 1-31894  
Wu, C. *see* Smith, A.A., Jr. 1-28935  
Wu, C.-c., Sangiovanni-Vicentelli, A., Saeks, R. A differential-interpolative approach to analog fault simulation 1-50379  
Wu, C.E. *see* Pione, A.E. 1-44627  
Wu, C.M., Yang, E.S. A low temperature fabrication process of polycrystalline silicon-silicon p<sup>+</sup>-n junction diode 1-40537  
Wu, C.M., Yang, E.S. Investigation of high-temperature annealing and quenching effects on Al-nSi diodes by C-V and I-V measurements 1-50908  
Wu, C.P. *see* Maby, E.W. 1-40718  
Wu, C.T., Cheng, T.C., Rodriguez-Pena, A. A study on the use of internal grading to improve the performance of insulators 1-34919  
Wu, C.T. *see* Cheng, T.C. 1-34908  
Wu, C.T. *see* Schroeder, J.E. 1-34917  
Wu, F.F., Kumagai, S. Limits on power injections for security-constrained power flows 1-49055  
Wu, F.F. *see* Kaye, R.J. 1-48982  
Wu, I.W. *see* Chen, L.J. 1-50755  
Wu, L.L. *see* Feinberg, J. 1-50696  
Wu, P.S., Tandon, J.C. Omnidirectional laser scanner for supermarkets 1-33302  
Wu, P.T. Read/write dynamic memory using two devices per cell and having internal refresh 1-36205  
Wu, R.W. *see* Naumaan, A. 1-46572  
Wu, S.L. *see* Burkhardt, H. 1-43210  
Wu, S.M., Ouyang, M.S., Ungpiyakul, T. Stochastic modeling of on-line BWR stability 1-53223  
Wu, W.W. Applications of combinatorial sets in satellite communications 1-33962  
Wu, W.W., Rowbotham, T.R. Satellite access techniques for data communications 1-29710  
Wu, W.W. *see* Allen, G.W. 1-45842  
Wu, Y.J. *see* Chen, L.J. 1-50754  
Wu, Y.S. *see* Dornan, B. 1-27325  
Wu Chang-zheng, Mo Ying-an, Yang Yin, Zheng Si-ding Cu II hollow cathode ultraviolet laser 1-33192  
Wu Chang-zheng, Mo Ying-an, Yang Yin, Zheng Si-ding Copper-ion hollow-cathode ultraviolet laser 1-46675  
Wu Chialin *see* Chialin Wu  
Wu Ching-yuan *see* Ching-yuan Wu  
Wu Chu Tao *see* Chu Tao Wu  
Wu Chuan-lin *see* Chuan-lin Wu  
Wu Chung-yu *see* Chung-yu Wu  
Wu Cun-kai, Fan Jun-yin, Wang Zhi-ying Investigation of degenerate four-wave mixing and phase conjugation in organic dye solutions 1-28772  
Wu Cunkai, Fan Junyin, Wang Zhiying, Fan Qikang, Mao Weimin, Liu Yueying Backward-wave parametric oscillation by degenerate four-wave mixing 1-37210  
Wu Cunkai, Fan Junying, Wang Zhiying A new scheme of infrared to visible image conversion 1-37217  
Wu Da-Wei The rectangular waveguide test method—a method of measuring electromagnetic wave absorbers 1-32396  
Wu Dao-huai, Chen Ju-fang, Min Si-gui Photo-conductivity of amorphous arsenic-selenium thin film 1-51250  
Wu Ding-fen, Chen Fen-kou Effect of components on the ohmic contact resistivity of n-type GaAs 1-27856  
Wu Duo-huai, Chen Ju-fang, Min Si-gui Photo-conductivity of amorphous selenium-arsenic films 1-33121  
Wu Feng-mei *see* Zheng You-dou 1-27869  
Wu Ja-Ling *see* Ja-Ling Wu  
Wu Jin-hua *see* Chen Guang-hua 1-32105  
Wu Jinhua *see* Chen Guanghua 1-27837  
Wu Min-Yen *see* Min-Yen Wu  
Wu Rangyuan *see* Lin Lanying 1-32635  
Wu Shan-liang *see* Ye Xan-ming 1-37186  
Wu Tai Tsun *see* Tai Tsun Wu  
Wu Tien-shou *see* Tien-shou Wu  
Wu Web-qui *see* Shui Yong-an 1-36788  
Wu Wei-fang *see* Li Guo-dong 1-28220  
Wu Wei-Wha *see* Wei-Wha Wu  
Wu Wen Da Neville type extrapolation scheme for a special expansion 1-35878  
Wu Wen-Tai *see* Liu Mao-San 1-52648, 1-52649  
Wu Zhen-hui, Huang Bing-zhong Molecular-beam epitaxy 1-32072  
Wu Zhenhui *see* Yu Bingcai 1-40461  
Wu Zhonglan *see* Lin Juntong 1-48105  
Wu-Cheng Wang *see* Ming-Chang-Wang 1-46760  
Wu-xing Lu *see* Lu Wu-xing  
Wu-Yi Chien *see* Kroemer, H. 1-40375  
Wuchner, F. *see* Krevet, B. 1-51101  
Wuest, C. *see* Cory, C. 1-34432  
Wulf, J.C. *see* Davis, G.T. 1-27400, 1-30002  
Wullschlegler, J. Liquid crystal displays 1-28532  
Wullschlegler, P. Electronic means for energy and power measurement 1-38829  
Wunderlich, E.F. *see* Kaufman, L. 1-33699  
Wunsch, J. Water treatment for nuclear power plants 1-30881  
Wunsch, J. Cleaning and treatment of water used in primary cycles of nuclear power plants with PWR reactors 1-30883  
Wurbs, G. *see* Wandel, K. 1-45935  
Wurms, C. *see* Brown, W.W., Jr. 1-27144  
Wurmus *see* Furchert, H.J. 1-49725  
Wurmus, H. Special camera for the microcomputer-controlled image evaluation 1-34080  
Wurst, B.G. Automotive electronics—a challenge for diagnosis 1-31612  
Wurtz, H.P. Design guidelines for thermoelectrically cooled infrared detectors 1-48102  
Wurtz, J.E. Color display and recording with CRTs 1-47937  
Wurtz, J.E. Cathode-ray-tube photorecording 1-48169  
Wurz, D. *see* Baer, E. 1-30956  
Wurz, D. *see* Ditttrich, H. 1-30954  
Wurzburg, H. Time-slot assigner chip cuts multiplexer parts count 1-33877  
Wushow Chou, Bragg, A.W., Nilsson, A.A. The need for adaptive routing in the chaotic and unbalanced traffic environment 1-33701  
Wustenberg, H. *see* Neumann, E. 1-30940  
Wuthrich, H.R. IEC recommendations for modern distribution voltage switchgear 1-31366  
Wuthrich, H.R. *see* Degn, W. 1-49634  
Wuthrich, R. Laser welding in microtechnology 1-37243  
Wuxing Lu *see* Lu Wuxing  
Wyat, J.L., Jr. Comments on 'Analysis and synthesis of nonlinear reciprocal networks containing two element types and transformers' 1-45225  
Wyatt, R. Compression terminals become simpler 1-40280  
Wyatt, R. Broadly tunable blue-green picosecond pulses from a flashlamp-pumped dye laser 1-46709  
Wyatt, R., Cotter, D. A tunable picosecond IR laser generating multi-megawatt pulses in the range 3-8  $\mu$ m 1-41065  
Wyatt, R.M.H. *see* Hammant, B.L. 1-35612  
Wyckoff, R.D., Miller, J.F., Kroon, J.C. Design, development and installation of a wide range fission chamber system. A summary 1-34457  
Wyder, P. *see* van der Heijden, R.W. 1-46479  
Wykes, C. *see* Jones, R. 1-47823  
Wylie, T.J. *see* Ballier, L. 1-28599  
Wylie, T.J. *see* Greenspan, S.B. 1-28462  
Wylie, W.R. *see* Clegg, T.B. 1-43153  
Wyllie, C.E. Application of a systems approach to design of electromechanical actuation systems 1-52839  
Wyman, V. Efficient protection of electrical systems 1-49590  
Wyman, V. Data communication via satellite 1-51948  
Wyndham, B.A. Azimuth errors induced by multipath signals at a secondary radar site 1-47716  
Wynn, W.D. A bubble memory differential detector 1-46440  
Wynne, J. A/D converter with on-board RAM 1-28049  
Wynne, W.T., Frank, C.D. Florida utility pioneers system control center 1-48969  
Wysocki, J.A., Lee, A. Mechanical properties of high-strength metal-coated fibers 1-36899  
Wyss, C.W. *see* Gourber, J.P. 1-43089  
Wyss, U.P., Pollak, V.A. Kinematic data acquisition system for two- or three-dimensional motion analysis 1-34604  
Wyss, W. Commutatorless variable-speed motors with disc armatures 1-35174  
Wyszomirski, J. The influence of data technology and electronics on the state of employment 1-39269  
Wythe, S.E., Steines, L.W. Telecommunications developments in Latin America in the current decade 1-47292  
Xampeny, J. *see* Bertran, M. 1-52986  
Xan-ming Ye *see* Ye Xan-ming  
Xi, D.M. *see* Boic, R.A. 1-34437  
Xi Xie *see* Xie Xi  
Xi-Jie Cai *see* Cai Xi-Jie  
Xi-kai Zhu *see* Zhu Xi-kai  
Xi-lei Lin *see* Lin Xi-lei  
Xi-ling Yu *see* Yu Xi-ling  
Xi-qi Feng *see* Feng Xi-qi  
Xi-rong Yang *see* Yang Xi-rong  
Xi-xian Yao *see* Yao Xi-xian  
Xi-zhao Shi *see* Shi Xi-zhao  
Xia Huik-Rong, Benson, S.V., Hansch, T.W. A 'toy-train' wavemeter 1-41125  
Xia Liu Cai *see* Liu Cai Xia  
Xia Zhong-ju *see* Zhou Ying-hua 1-46784  
Xian-bo Liao *see* Liao Xian-bo  
Xian-can Deng *see* Deng Xian-can  
Xianbi Xiang *see* Xiang Xianbi  
Xiang Wang *see* Wang Xiang  
Xiang Xianbi *see* Lin Lanying 1-32635  
Xiangsheng Wang *see* Wang Xiangsheng  
Xiao Tang *see* Tang Xiao  
Xiao Wen-tao, Zhu Jing-han, Sun Tian-duo Liquid phase sintered Sm-Co-Cu-Fe-Zr 2-17 type magnets 1-46428  
Xiao-Jie Gao *see* Gao Xiao-Jie  
Xiao-ju Li *see* Li Xiao-ju  
Xiao-yin Hueng *see* Hueng Xiao-yin  
Xiaojian Chen *see* Chen Xiaojian  
Xiaoming He *see* He Xiaoming  
Xiaoshan Ma *see* Ma Xiaoshan  
Xiaoyin Hong *see* Hong Xiaoyin  
Xiaozhang Zhu *see* Zhu Xiaozhang  
Xie Fu-zeng, Tong Qi-mei, Bao Bing-qian, Zhou Xuan A design of the logic analyzer with rich functions 1-30035  
Xie Xi *see* Chen Yin-bao 1-43006  
Xie-ting Ling Worst-case tolerance design by the interval algebra 1-45188  
Ximao Bao *see* Bao Ximao  
Ximing, D., Yu Wenyan Development of high-power laser system for laser-fusion research 1-51413  
Xin-Fen Cheng *see* Ming-Chang-Wang 1-46760  
Xin-yuan Yang *see* Yang Xin-yuan  
Xinfan Huang *see* Huang Xinfan  
Xing-zhen Luo *see* Luo Xing-zhen  
Xingcai Xu *see* Xu Xingcai  
Xiong Guang-leng *see* Gao Long 1-39003  
Xiu-wen Li *see* Yan-zhang Wei 1-53656  
Xiuying Lu *see* Lu Xiuying  
Xu Cheng-he *see* Zhou Le-zhu 1-28607  
Xu Ji-yang *see* Li Chuan-yi 1-40872  
Xu Jia-chi A method for obtaining P<sup>+</sup>P structure 1-27851  
Xu Ping *see* Yang Dayan 1-32247  
Xu Xingcai *see* Han Jieping 1-27961  
Xu Zhiming *see* Zheng Yuxia 1-51418  
Xu Zongying *see* Gong Jishu 1-32634  
Xuan Zhou *see* Zhou Xuan  
Xueying Fei *see* Fei Xueying  
Xueyu Qian, Evans, B.J. Solid state and magnetochemistry of the SrO-Fe<sub>2</sub>O<sub>3</sub> system IV. Synthesis of SrFe<sub>12</sub>O<sub>19</sub> from coprecipitated precursors 1-45127  
Xydeas, C.S. *see* Erwood, A.F. 1-51844  
Xydeas, C.S. *see* Evci, C.C. 1-41532  
Xydeas, C.S. *see* Patrick, P.J. 1-33745, 1-41585, 1-51808  
Xypteras, J., Kriezis, E.E. Eddy current distribution in a slab of finite thickness due to a vertical circular current loop 1-51565  
Xypteras, J.E., Kriezis, E.E. Force on a vertical circular current loop moving above a conducting slab and eddy current distribution 1-49732  
Y. Ng Wai *see* Wai Y. Ng  
Ya-Min Lee, J. Reduction of leakage current of large-area high-resistivity silicon p-n photodiodes for detection at 1.06  $\mu$ m 1-28579  
Ya-nan Jiang *see* Jiang Ya-nan  
Yaacob, M., Hartley, M.G. A survey of microprocessor software reliability with an illustrative example 1-44759  
Yaacov, G.Z. Data base environment for power system simulation models 1-38690  
Yaacov, G.Z. Ben *see* Ben Yaacov, G.Z.  
Yablon, A., Appelbaum, J. Transient analysis of a DC series motor (linear versus nonlinear models) 1-35184  
Yabuhara, Y. *see* Hara, Y. 1-28080  
Yabumoto, N., Oshima, M., Michikami, O., Yoshii, S. Surface damage on Si substrates caused by reactive sputter etching 1-40519  
Yabuta, T., Yamashita, K., Kawata, O., Iwabuchi, K., Negishi, Y., Kojima, N. Structure design of submarine optical fiber cable 1-37925  
Yabuzaki, T., Ibaragi, A., Hori, H., Kitano, M., Ogawa, T. Frequency-locking of a GaAlAs laser to a Doppler-free spectrum of the Cs-D<sub>2</sub> line 1-46746

- Yacmini, R.** Load-line diagrams applied to reactive compensated loads in AC systems 1-34835
- Yacmini, R., Hamoud, O.A.R., Afacan, O.** Modelling of traction load distortion in electricity supply systems 1-35441
- Yacmini, R., Smith, W.J.** Negative sequence impedance of convertors 1-35249
- Yachi, T.** *see* Serikawa, T. 1-36655, 1-40591
- Yachida, M.** *see* Shimazu, T. 1-43325
- Yacoby, Y.** Optimization of the X-ray detection system for EXAFS 1-34538
- Yada, K.** Color reproduction in visual communication systems 1-47806
- Yada, K., Ochiai, T., Honda, M.** Optical fiber makes research information processing system 1-33989
- Yada, T., Nakamura, U., Tomidokoro, S., Fukuzawa, M.** Study on underwaster plasma arc cutting technology 1-31724
- Yaegashi, J., Noguchi, S., Kido, K.** A study of system descriptions in communication control 1-51904
- Yafarov, R.K., Zuev, I.V.** Methods of increasing the stability of the process in ultrasonic microwelding 1-35539
- Yagawa, N.** *see* Hasegawa, O. 1-33154
- Yaghjian, A.D.** A delta-distribution derivation of the electric field in the source region 1-51558
- Yaghjian, A.D.** Antenna coupling analyzed 1-51653
- Yagi, A., Kawaii, S.** Effects of tailing of density of state on the mobility of Si-MOSFETs at low temperatures—a proposal for the method of characterization of Si-SiO<sub>2</sub> interfaces 1-40596
- Yagi, H.** *see* Koyama, Y. 1-32137
- Yagi, H.** *see* Misawa, Y. 1-36533
- Yagi, K.** *see* Niina, T. 1-46657
- Yagi, K.** *see* Okuma, Y. 1-28857
- Yagi, K.** *see* Tokuyama, T. 1-35955
- Yagi, M.** *see* Muta, I. 1-38965
- Yagi, M.** *see* Shiosaki, T. 1-50279
- Yagi, S., Tabata, N.** Silent discharge CW CO<sub>2</sub> laser 1-46700
- Yagi, T.** Solitons in a nonlinear inhomogeneous transmission line 1-51637
- Yagishita, K.** *see* Kurahashi, K. 1-48176
- Yagishita, N.** *see* Murazumi, Y. 1-39657
- Yaguchi, K.** *see* Kobayashi, H. 1-48709
- Yagupol'skaya, L.N.** *see* Teodorovich, O.K. 1-50336
- Yagura, Y.** *see* Miki, S. 1-33652
- Yahagi, K., Imada, H., Okinaka, A.** Electrical breakdown strength and morphology of amorphous part in elongated polyethylene 1-28178
- Yahagi, K.** *see* Iwasaki, K. 1-28173
- Yahagi, T.** New methods for the design of recursive digital filters in the time domain 1-32351
- Yahagi, T.** Design of adaptive equalizers for digital communication by adaptive filtering 1-47465
- Yahagi, T.** Design of adaptive equalizers for digital communication by Kalman filters 1-47466
- Yahagi, T., Noguchi, K.** Restoration of blurred images by two-dimensional digital filters 1-32356
- Yahara, T.** *see* Sato, K. 1-46338
- Yahara, T.** *see* Tanaka, C. 1-46266
- Yahini, J.H.** *see* Dagan, J. 1-34624
- Yajima, H.** *see* Mukai, S. 1-39800
- Yajima, K., Matsua, H., Tanaka, H., Nakayama, K., Kinoshita, S., Furukawa, T.** The clinical experience on the realtime display system of electrocardiographic mapping 1-43365
- Yajima, K.** *see* Tanaka, H. 1-43356
- Yajima, S.** *see* Goto, K. 1-41970
- Yajima, S.** *see* Inagaki, K. 1-50522
- Yajima, S.** *see* Yasuura, H. 1-32288
- Yajurvedi, V.P., Chandra, N., Agarwal, S., Dewal, M.** Analysis of DC arc characteristic 1-39086
- Yakhno, V.N.** *see* Zak, Yu.A. 1-35829
- Yakimakh, A.L.** MOS transistor micropower inverters [logic gates] 1-36694
- Yakimakh, A.L., Berzin, L.F.** Equivalent circuit of p-n-p-n structure employing complementary MIS transistors 1-32679
- Yakimavicius, M.** *see* Piccinchi, A. 1-52303
- Yakimchuk, V.I.** *see* Buschinn, Yu.B. 1-30372
- Yakimenko, A.M.** *see* Venger, A.Z. 1-36344, 1-40235
- Yakimov, A.V.** *see* Silayev, A.M. 1-31951
- Yakimov, A.V.** *see* Zaitsev, V.V. 1-50904
- Yakimov, T.N., Velchev, V.L.** Thin-layer RC-structures with distributed parameters 1-27716
- Yakimovich, A.P.** Dynamic self-amplification of scattering noise in volume-hologram recording 1-28803
- Yakimovich, A.P.** Three-dimensional holographic display 1-51537
- Yakivchik, N.I.** *see* Tuchkevich, V.M. 1-32780
- Yakov, S.** *see* Cesari, S. 1-44162
- Yakovenko, A.A.** *see* Korol'kov, V.I. 1-32794
- Yakovlenko, S.I., Yelin, O.P.** On the pumping of plasma lasers by a high-frequency-modulated electron beam 1-46689
- Yakovlev, A.I.** *see* Kostikov, O.N. 1-31237
- Yakovlev, A.S.** *see* Arzhanikov, Yu.N. 1-51822
- Yakovlev, A.S.** *see* Makovskii, Yu.E. 1-34478
- Yakovlev, A.T.** *see* Ignatov, I.I. 1-35526
- Yakovlev, B.V.** *see* Petryaev, E.P. 1-38902
- Yakovlev, G.D.** *see* Mnatsakanyan, E.A. 1-41006
- Yakovlev, L.A., Serebryannikova, N.P.** Ultrasonic studies of the characteristics of piezoceramics 1-36003
- Yakovlev, O.I.** *see* Timofeyeva, T.S. 1-37316
- Yakovlev, V.I.** *see* Buchin, A.V. 1-40980, 1-41153
- Yakovleva, I.B.** *see* Sovetov, N.M. 1-45863
- Yakovleva, M.N.** *see* Kul'varskaia, B.S. 1-43196
- Yakubov, R.A.** *see* Dzjagupov, R.G. 1-52229
- Yakubov, S.Ya., Aliev, B.A.** Fredholm behaviour of a boundary value problem with operator under boundary conditions, for a second-order elliptic differential-operator equation 1-35901
- Yakubovich, S.D.** *see* Goldobin, I.S. 1-37147
- Yakubovich, S.D.** *see* Luk'yanov, V.N. 1-37145
- Yakunin, Yu.I.** Determination of the Hall effect and magnetoresistance of cylindrical semiconductor samples by the four-probe method 1-32598
- Yakuo, T.** *see* Itoh, S. 1-46712
- Yakushev, O.F.** *see* Kanorski, S.I. 1-28658
- Yakushiji, H.** *see* Jeong, M.U. 1-40462
- Yalin-Mor, E.** *see* Levanon, N. 1-47705
- Yamabayashi, H.** *see* Ohgushi, Y. 1-43290
- Yamabe, M.** *see* Furukawa, Y. 1-27750
- Yamabuchi, T.** *see* Shindo, T. 1-38061
- Yamada, A.** Design automation status in Japan 1-44671
- Yamada, A.** *see* Gotoh, T. 1-34164
- Yamada, A.** *see* Haraga, K. 1-50002
- Yamada, A.** *see* Sasaki, T. 1-45414
- Yamada, C.** *see* Ishikawa, F. 1-30137
- Yamada, H.** Flux distribution and reactance in enclosed slot solid rotor induction motor 1-44088
- Yamada, H., Yoshimoto, T., Hayashi, H., Miyaji, K., Hagino, Y.** Projection display of radar image using gas laser with improved scanning and storage methods 1-47728
- Yamada, H.** *see* Fujita, T. 1-46286
- Yamada, H.** *see* Hashizume, N. 1-46297
- Yamada, H.** *see* Mori, A. 1-43892
- Yamada, H.** *see* Takeuchi, F. 1-52533
- Yamada, I.** *see* Baba, S. 1-42658
- Yamada, I.** *see* Takagi, T. 1-45125
- Yamada, J.L., Machida, S., Kimura, T.** 2 Gbit/s optical transmission experiments at 1.3  $\mu\text{m}$  with 44 km single-mode fibre 1-42231
- Yamada, K.** Thermal logger 1-42663
- Yamada, K.** *see* Toyama, J. 1-43357, 1-48724
- Yamada, K.** *see* Watanabe, T. 1-48703
- Yamada, M.** Techniques of cross-polarization compensation 1-51611
- Yamada, M., Ishiguro, H.** Gain calculation of undoped GaAs injection laser taking account of electronic intra-band relaxation 1-46747
- Yamada, M., Monden, Y., Hirooka, M., Arimoto, S.** Fast recursive algorithm for tracking time-varying autoregressive models 1-50565
- Yamada, M., Nomura, Y., Katayama, Y., Ishii, T., Imamura, O., Tsuchiyama, K.** Automatic field monitoring of dissolved gases in transformer oil 1-39026
- Yamada, M., Nomura, Y., Katayama, Y., Ishii, T., Imamura, O., Tsuchiyama, K.** Automatic field monitoring of dissolved gases in transformer oil 1-44181
- Yamada, M., Suematsu, Y.** Analysis of gain suppression in undoped injection lasers 1-46739
- Yamada, M.** *see* Furuta, O. 1-29669
- Yamada, M.** *see* Kamikawai, R. 1-45416
- Yamada, M.** *see* Monden, Y. 1-41761
- Yamada, M.** *see* Ozawa, T. 1-45512
- Yamada, M.** *see* Yuuki, H. 1-33364
- Yamada, N.** *see* Matsui, N. 1-35182
- Yamada, O.** *see* Takahashi, T. 1-39072
- Yamada, S., Minakata, M.** DC drift phenomena in LiNbO<sub>3</sub> optical waveguide devices 1-33043
- Yamada, S., Minakata, M., Noda, J.** High-speed 2-bit analogue-digital converter using LiNbO<sub>3</sub> waveguide modulators 1-27562
- Yamada, S., Minakata, M., Noda, J.** Analog-to-digital conversion experiments using a LiNbO<sub>3</sub> balanced bridge modulator 1-51224
- Yamada, S., Osaki, S.** Optimum replacement policies for a system composed of components 1-44754
- Yamada, S.** *see* Fujisawa, T. 1-43160
- Yamada, S.** *see* Hattori, T. 1-48383
- Yamada, S.** *see* Katayama, T. 1-43037
- Yamada, S.** *see* Kitao, M. 1-32661
- Yamada, S.** *see* Ueda, N. 1-43159, 1-48377
- Yamada, S.-i.** *see* Miyahara, N. 1-46230
- Yamada, T.** An easily testable combinational circuit 1-32289
- Yamada, T., Honda, Y., Shigematsu, N., Tomura, M.** ESS program test methods using program route tracer 1-33878
- Yamada, T., Iwamoto, M., Sakamoto, H., Morita, M., Furuta, Y., Jizo, Y., Karino, S.** Cause of quenching in epoxy impregnated superconducting coils 1-51311
- Yamada, T., Nanya, T.** Stuck-at fault tests in the presence of undetectable bridging faults 1-50520
- Yamada, T., Yamada, Y., Takano, T.** Offset parabolic reflector antenna with multi-horn primary feed 1-33404
- Yamada, T.** *see* Naruse, M. 1-37911
- Yamada, Y.** *see* Fukagawa, H. 1-43701
- Yamada, Y.** *see* Yamada, T. 1-33404
- Yamagami, T.** *see* Motoyama, S. 1-47500
- Yamagata, J.** *see* Miki, T. 1-37896
- Yamagishi, A.** *see* Suzuki, T. 1-33183, 1-33257
- Yamagishi, C., Moritani, A., Nakai, J.** Study of anodic film growth on GaAs and Bi<sub>2</sub>Te<sub>3</sub> by in situ photoacoustic technique 1-50306
- Yamagishi, W.** *see* Sagawa, M. 1-45131
- Yamagiwa, A.T., Logie, P., Christensen, N.T.** Utilizing transformer waste heat 1-49539
- Yamagiwa, S.** *see* Sarai, J. 1-45990
- Yamagiwa, T., Kamata, Y., Yoshioka, Y., Hosokawa, M.** Dielectric characteristics of gas insulated bushings in air under dry and wet conditions 1-44279
- Yamaguchi, A., Umebu, I., Akita, K.** Evaluation of the defects in InP-InGaAsP DH wafers by spatially resolved photoluminescence 1-45975
- Yamaguchi, E., Nishioka, T., Ohmachi, Y.** Ohmic contacts to Si-implanted InP 1-32701
- Yamaguchi, H., Hori, A., Yoneshige, Y., Sakuragi, T., Ohboshi, T., Kanbara, S.** Computer control system for supervisory control center, the Kansai Electric Power Co. Inc 1-30607
- Yamaguchi, H.** *see* Koga, H. 1-47511
- Yamaguchi, K., Suzuki, Y., Yatsuboshi, R.** Mini-computers systems distribution by optical fiber data highway 1-33990
- Yamaguchi, K., Takahashi, S.** Theoretical characterization and high-speed performance evaluation of GaAs IGFETs 1-32822
- Yamaguchi, K., Takahashi, S.** Submicron gate MOSFETs with channel-doped separate gate structures (SG-MOSFETs) 1-40592
- Yamaguchi, K.** *see* Kondo, R. 1-40702
- Yamaguchi, K.** *see* Narimatsu, S. 1-44277
- Yamaguchi, K.** *see* Suzuki, J. 1-34058
- Yamaguchi, M.** Thermal oxidation of InP in phosphorus pentoxide vapor 1-50883
- Yamaguchi, M., Kumasaka, T., Inui, Y., Ono, S.** The flow rate in a self-cooled transformer 1-31289
- Yamaguchi, M., Kumasaka, T., Inui, Y., Ono, S.** The flow rate in a self-cooled transformer 1-39036
- Yamaguchi, M., Tanaki, M., Watanabe, H., Toda, H.** Automatic measuring system for microwave repeater test set 1-52333
- Yamaguchi, M.** *see* Ando, K. 1-28566, 1-46017, 1-51261
- Yamaguchi, M.** *see* Sugiura, H. 1-39802
- Yamaguchi, M.** *see* Yanaguchi, Y. 1-32976
- Yamaguchi, S.** *see* Matsushima, H. 1-34156
- Yamaguchi, S.** *see* Sawa, G. 1-28144
- Yamaguchi, T., Niina, T.** A high brightness GaP multicolor LED 1-37045
- Yamaguchi, T., Yoshida, K., Tada, K., Namba, H., Kuhara, Y., Ono, K., Tatsumi, M., Nishiaki, Y., Tsuno, K.** Development of Bi<sub>2</sub>SiO<sub>20</sub> optical devices and their applications 1-37236
- Yamaguchi, T.** *see* Imaizumi, I. 1-40690
- Yamaguchi, T.** *see* Iwanaga, H. 1-27095
- Yamaguchi, T.** *see* Komatsu, Y. 1-45326
- Yamaguchi, T.** *see* Niina, T. 1-46657
- Yamaguchi, T.** *see* Okuda, H. 1-37915
- Yamaguchi, T.** *see* Tanaka, K. 1-52313
- Yamaguchi, T.** *see* Yoshie, T. 1-27099, 1-39751
- Yamaguchi, Y., Abe, T.** Experimental verification for attenuation characteristics in a lossy dielectric-lined circular waveguide 1-50612
- Yamaguchi, Y., Abe, T., Tsuchida, M.** Propagation constant in hollow circular cylinder surrounded by two lossy layers 1-41285
- Yamaguchi, Y., Ishii, C.** Temperature dependence of the current to sustain a normal hotspot in superconducting microbridges 1-46476
- Yamaguchi, Y.** *see* Abe, T. 1-37340
- Yamaguchi, Y.** *see* Ohashi, H. 1-40577
- Yamaji, A.** *see* Yamaki, J.-I. 1-53601
- Yamakawa, I., Fujiu, Y., Kojima, H., Okuno, K., Machida, H., Akagi, S.** A new type electromagnetic vibrator for combined harmonic waves 1-28859
- Yamakawa, I.** *see* Kojima, H. 1-28843
- Yamakawa, T., Shirai, Y., Inoue, T., Ueno, F.** Implementation of fuzzy logic circuits and a programmable multifunction circuit with current mode 1-36226
- Yamakawa, T.** *see* Tanaka, J. 1-48571
- Yamaki, J.-I., Yamaji, A.** Layered materials for lithium secondary batteries 1-53601
- Yamakido, K., Suzuki, T., Shirasu, H., Tanaka, M., Yasunari, K., Sakaguchi, J., Hagiwara, S.** A single-chip CMOS filter/codec 1-52005
- Yamakido, K., Suzuki, T., Tanaka, M., Yasunari, K., Sakaguchi, J., Hagiwara, S.** A single-chip CMOS filter-CODEC 1-33870
- Yamakoshi, K., Shimazu, H., Togawa, T.** Noninvasive measurement of instantaneous arterial blood pressure using vascular unloading technique 1-30412
- Yamakoshi, K.** *see* Bukhari, A.R.S. 1-43311

- Yamakoshi, K. *see* Yanokura, M. 1-30347
- Yamakoshi, S. *see* Ueda, O. 1-46654
- Yamakoshi, Y., Sakaguchi, T., Nishida, S. The development of protection algorithms for power-system computer relaying 1-53128
- Yamakoshi, Y. *see* Takagi, T. 1-30826, 1-34963
- Yamamoto, A., Shinoyama, S., Uemura, C. Silicon contamination of InP synthesized under high phosphorus pressure 1-32051
- Yamamoto, A. *see* Ando, K. 1-28566, 1-51261
- Yamamoto, A. *see* Mitsunobu, S. 1-42828
- Yamamoto, A. *see* Ninomiya, S. 1-48464
- Yamamoto, A. *see* Uemura, C. 1-39734
- Yamamoto, B. Recent developments in flow measurement techniques. Ultrasonic flow meters 1-30576
- Yamamoto, H. Source coding theory for cascade and branching communication systems 1-41497
- Yamamoto, H., Ohmura, M., Kojima, N. Study on impedance matching between new symmetrical star quad cable and existing transmission equipments for toll line 1-33904
- Yamamoto, H. *see* Iwata, S. 1-36586
- Yamamoto, H. *see* Kojima, N. 1-42145
- Yamamoto, H. *see* Matsuda, A. 1-27926, 1-50797
- Yamamoto, H. *see* Murakami, H. 1-47617
- Yamamoto, H. *see* Ohgushi, Y. 1-43290
- Yamamoto, H. *see* Tanaka, K. 1-45947
- Yamamoto, H. *see* Tomita, N. 1-41901
- Yamamoto, H. *see* Wada, T. 1-27471
- Yamamoto, I. *see* Hayashi, K. 1-47903
- Yamamoto, J. *see* Murakami, Y. 1-28372
- Yamamoto, K. *see* Jobbeto, K. 1-42525
- Yamamoto, M. Detector arrangement and sampling characteristics in rotary positron-emission computed tomography 1-34610
- Yamamoto, M., Ishida, A. An improved Josephson interferometer memory cell for nondestructive read-out 1-40864
- Yamamoto, M. *see* Ishii, M. 1-45430
- Yamamoto, M. *see* Shinriki, M. 1-27342
- Yamamoto, N., Nakayama, Y., Wakita, K., Nakano, M., Kawamura, T. Electrophotographic properties of RF glow discharge-produced amorphous Si:H film 1-40993
- Yamamoto, O. *see* Takeda, Y. 1-50762
- Yamamoto, R., Higashisaka, A. High speed GaAs digital integrated circuit with clock frequency of 4.1 GHz 1-32256
- Yamamoto, S. Polarization-rotated radiation conversion in electrooptic waveguides 1-46554
- Yamamoto, S., Hosoki, S., Kawase, S., Hirai, Y. Some fundamental properties of zirconiated W(100) field-emission cathode 1-36427
- Yamamoto, S., Kitayama, S., Tamura, J., Chihara, K., Sakurai, Y. The fast Kalman filter algorithm applied to an echo canceller and its performance 1-41257
- Yamamoto, S. *see* Aida, T. 1-35982
- Yamamoto, S. *see* Hayashi, S.A. 1-52651
- Yamamoto, S. *see* Sakaguchi, H. 1-36872, 1-36929
- Yamamoto, T., Aoki, Y. Image reconstruction of long-wavelength holograms by digital filter technique 1-41169
- Yamamoto, T., Deguchi, F. Design of transmission performance measuring equipment in the centralized circuit test system 1-47331
- Yamamoto, T., Shimizu, H. Properties of the  $\text{TiO}_2\text{-SnO}_2$  ceramic moisture sensor by method of sedimentation 1-34271
- Yamamoto, T., Shimizu, H. Some considerations on stability of electrical resistance of the  $\text{TiO}_2/\text{SnO}_2$  ceramic moisture sensor 1-42615
- Yamamoto, T., Suzuki, F. Development of a digitized measuring instrument for reverberation time [architectural acoustics] 1-34321
- Yamamoto, T. *see* Aoki, Y. 1-33649, 1-37662
- Yamamoto, T. *see* Asano, T. 1-41969
- Yamamoto, T. *see* Deguchi, F. 1-47330
- Yamamoto, T. *see* Kawamura, K. 1-50496
- Yamamoto, T. *see* Sakai, K. 1-41093
- Yamamoto, T. *see* Shiosaki, T. 1-32954, 1-50279
- Yamamoto, T. *see* Watanabe, K. 1-45646
- Yamamoto, T. *see* Yamamoto, Y. 1-40168
- Yamamoto, Y., Higashi, T. Impedance irregularity testers for wide-band coaxial pair cable transmission lines 1-52038
- Yamamoto, Y., Mukai, T., Saito, S. Quantum phase noise and linewidth of a semiconductor laser 1-33232
- Yamamoto, Y., Yamamoto, T., Yasuhara, K., Yui, M. A wideband  $90^\circ$  phase shifter used for instrumentation 1-40168
- Yamamoto, Y. *see* Inada, T. 1-50874
- Yamamoto, Y. *see* Kobayashi, S. 1-33233
- Yamamoto, Y. *see* Miyazaki, T. 1-41118
- Yamamoto, Y. *see* Nilsson, O. 1-51450
- Yamamoto, Y. *see* Saito, S. 1-33231
- Yamamoto, Y. *see* Sakai, T. 1-28099
- Yamamoto, Y. *see* Shimizu, Y. 1-32948
- Yamamoto, Y. *see* Takahashi, M. 1-43423, 1-43424
- Yamamoto, O., Nguchi, H., Ieki, M. High-flexural rigidity olefin TC diaphragms for loudspeakers 1-34160
- Yamamura, K., Yoshida, H. Power supplies for international telecommunications systems in KDD 1-44244
- Yamamura, S., Shigaki, M., Hidaka, N., Ishikawa, H., Takase, M., Fukuta, M. 4-8 GHz high power cascaded packaged GaAs FET amplifier 1-45661
- Yamamura, S. *see* Kasami, T. 1-33498
- Yamamura, S. *see* Tsukamoto, O. 1-31552
- Yamanaka, C., Kato, Y., Izawa, Y., Yoshida, K., Yamanaka, T., Sasaki, T., Nakatsuka, M., Mochizuki, M.T., Kuroda, J., Nakai, S. Nd-doped phosphate glass laser systems for laser-fusion research 1-51412
- Yamanaka, C., Nakai, S., Matoba, M., Fujita, H., Kawamura, Y., Daido, H., Inoue, M., Fukumaru, F., Terai, K. The Lekkko VIII  $\text{CO}_2$  gas laser system 1-51348
- Yamanaka, C. *see* Kuroda, J. 1-51431
- Yamanaka, H. *see* Wada, T. 1-27471
- Yamanaka, K., Enomoto, Y. Fringe pattern around surface crack observed with scanning acoustic microscope 1-52957
- Yamanaka, K.-i. *see* Tada, A. 1-40572
- Yamanaka, S. *see* Saiga, N. 1-52962
- Yamanaka, S. *see* Sawa, G. 1-28144
- Yamanaka, T. *see* Yamanaka, C. 1-51412
- Yamane, N. *see* Morikawa, Y. 1-45074
- Yamane, T., Hamano, M., Shirasaki, Y. Development of a new locator for office cable 1-33902
- Yamanishi, M. *see* Suemune, I. 1-41100
- Yamanishi, T. *see* Horima, H. 1-28456
- Yamanishi, T. *see* Mukunashi, H. 1-37914
- Yamanishi, T. *see* Takeshima, M. 1-46543
- Yamanishi, T. *see* Tanaka, S. 1-36896
- Yamano, M. *see* Yoshida, N. 1-49819
- Yamanouchi, K., Meguro, T., Shibayama, K. Acoustic surface wave filters using new distance weighting techniques 1-32940
- Yamanouchi, K., Sachse, W. Shear-wave electrostatic-acoustic transducers 1-38618
- Yamanouchi, K. *see* Shibayama, K. 1-28200, 1-32955
- Yamanouchi, M. *see* Seki, S. 1-42848
- Yamaoka, T. *see* Hasuo, S. 1-28319, 1-40861
- Yamaoka, T. *see* Ihara, M. 1-28085
- Yamauchi, T., Morimoto, S. A 1000-volt high-voltage MOS integrated-circuit technology [MOS devices/NMOS logic] 1-40723
- Yamasaki, H. *see* Schellenberg, J.M. 1-32404, 1-45681
- Yamasaki, K. *see* Sugano, T. 1-32773
- Yamasaki, M. *see* Kortanek, K.O. 1-32000
- Yamasaki, S. *see* Futakawa, A. 1-53366
- Yamasaki, S. *see* Matsuda, A. 1-27926, 1-45908, 1-50797
- Yamasaki, S. *see* Okushi, H. 1-46097
- Yamasaki, S. *see* Shirai, T. 1-46632
- Yamasaki, S. *see* Tanaka, K. 1-45947
- Yamasaki, T. *see* Sono, K. 1-36877
- Yamashiro, M. A repairable system with partial and catastrophic failure modes 1-31901
- Yamashiro, M. Two repairable multistate devices with general repair-time distributions 1-39461
- Yamashita, E., Atsuki, K., Hirahata, T. Microstrip dispersion in a wide-frequency range 1-40206
- Yamashita, H., Nakamae, E. An automatic triangular mesh generation for finite element analysis 1-45008
- Yamashita, K., Iwamoto, M., Hino, T. Thermally stimulated current properties of mobile ions in  $\text{SiO}_2$  film of MOS structure and its numerical analysis 1-50840
- Yamashita, K. *see* Okamoto, J. 1-32354, 1-45535
- Yamashita, K. *see* Yabuta, T. 1-37925
- Yamashita, M., Akiyama, M. Hierarchical structure of telecommunication networks 1-41877
- Yamashita, M. *see* Akiyama, M. 1-51921
- Yamashita, S. *see* Makimoto, M. 1-47800
- Yamashita, S. *see* Yuki, S. 1-29662
- Yamashita, T., Yoshikawa, S., Komata, T. Carousel SQUID as computer devices 1-33009
- Yamashita, T. *see* Komiya, K. 1-48118
- Yamashita, T. *see* Momose, T. 1-36854
- Yamashita, Y., Takahashi, T. On the properties of the inverse solution in ECG: determining epicardial from body-surface potentials by using the finite element method 1-43358
- Yamauchi, G. *see* Arita, K. 1-32473
- Yamauchi, H. *see* Sakai, T. 1-46287
- Yamauchi, I. *see* Matsushima, T. 1-46527
- Yamauchi, J., Nakano, H. Axial ratio of balanced helical antenna and ellipticity measurement of incident wave 1-41380
- Yamauchi, J., Nakano, H., Mimaki, H. Balanced helical antenna with tapered open ends 1-41397
- Yamauchi, J. *see* Nakano, H. 1-41324
- Yamauchi, R., Kikuchi, Y., Shioda, T., Inada, K. Transmission characteristics of heated optical fibers 1-42255
- Yamauchi, R. *see* Miyamoto, M. 1-40941
- Yamauchi, T., Asano, C., Kobayashi, Y., Okuda, T. Plasma production from metal layers by Q-switched laser 1-37238
- Yamauchi, Y. *see* Sasa, N. 1-27124, 1-32065
- Yamura, M. *see* Akimoto, Y. 1-43787
- Yamawaki, T. *see* Suzuki, K. 1-45762
- Yamaya, K. *see* Iida, T. 1-43407
- Yamayee, Z.A., Peschon, J. Utility integration issues of residential photovoltaic systems 1-43525
- Yamayee, Z.A., Peschon, J. Financial transactions between the electric utility and the solar photovoltaic system owner 1-48959
- Yamayee, Z.A. *see* Lee, S.T. 1-30618, 1-34808
- Yamazaki, H. *see* Ohtsuka, Y. 1-51154
- Yamazaki, K., Honda, K. Recent developments in flow measurement techniques. Flow measurement by use of oscillatory flow 1-30094
- Yamazaki, K. *see* Chino, M. 1-52684
- Yamazaki, N. Electronic standard watt-hour meter 1-30832
- Yamazaki, N., Tsuzuki, T., Ookubo, K., Yoshinari, T., Yoneyama, H. Position detecting system using embedded cables for testing automobile performance 1-30037
- Yamazaki, N. *see* Hattori, T. 1-48383
- Yamazaki, N. *see* Togashi, J. 1-27160
- Yamazaki, O., Wasa, K., Hayakawa, S. Highly reliable  $\text{ZnO}$  thin film SAW Nyquist filters for TV 1-36795
- Yamazaki, S. Recent interconnection technology 1-50019
- Yamazaki, S. *see* Nagata, Y. 1-27781
- Yamazaki, T. *see* Matoba, M. 1-34482
- Yamazaki, T. *see* Takakuwa, E. 1-47362
- Yamazaki, Y., Takata, K., Tokumoto, S. Damping test of the higher-order modes of the re-entrant accelerating cavity 1-48348
- Yamazaki, Y. *see* Iwasaki, M. 1-29587
- Yamazaki, Y. *see* Matsubayashi, Y. 1-38775
- Yamazaki, Y. *see* Takata, K. 1-48337
- Yamazoe, Y. *see* Ohtsuka, K. 1-45981
- Yamin, P. *see* Brown, H. 1-48364
- Yamoto, H. *see* Matsushita, T. 1-40555
- Yampol'skaya, E.G. *see* Barkovskii, V.I. 1-35347
- Yampol'skiy, V.G. *see* Kuz'min, I.V. 1-37861
- Yampol'skiy, V.G. *see* Nepomnyashchii, I.L. 1-47077
- Yampol'sky, I.R. *see* Vasiliev, V.V. 1-48466
- Yan, H.H., Willson, J.D. A real-time reclosing analysis technique using distribution factors 1-34831
- Yan, M.F. Microstructural control in the processing of electronic ceramics 1-35978
- Yan Bing-yu Characteristics of  $\text{N}_2$ -laser-pumped dye lasers 1-46703
- Yan Hang A magnetic spectrograph for heavy particles in low energy nuclear physics 1-43267
- Yan Maoxun *see* Du Yongchangan 1-40448
- Yan Ming-shan *see* Tan Hung 1-34396
- Yan-sheng Zhao *see* Zhao Yan-sheng
- Yan-zhang Wei, Xiu-wen Li, Yang Lie, Wen-Zi Li, Pei-nuo Yu Photovoltaic activities and its applications in China 1-35656
- Yanabu, S., Kaneko, E., Okumura, E., Aiyoshi, T. Novel electrode structure of vacuum interrupter and its practical application 1-44273
- Yanabu, S., Kaneko, E., Okumura, H., Aiyoshi, T. Novel electrode structure of vacuum interrupter and its practical application 1-39098
- Yanachkova, I.M., Aleksova, P.A., Pavlova, I.H., Gantcheva, T.S. Influence of climatic factors on the properties of chalk-filled high-density polyethylene 1-27188
- Yanagi, H. *see* Kitamura, A. 1-37820
- Yanagi, S., Sasaki, M. Reliability analysis of a two-unit warm standby redundant system with preventive maintenance considering imperfect switchover 1-31910
- Yanagi, T. *see* Mimura, Y. 1-38180
- Yanagida, H., Nagai, M., Takata, M. Ceramic films made by modified doctor blade method 1-27172
- Yanagihara, N. *see* Kawase, S. 1-39862
- Yanagimachi, A. *see* Hasegawa, T. 1-34031
- Yanagisawa, H. *see* Innami, Y. 1-39096
- Yanagisawa, T., Sakai, K., Adachi, T., Kasahara, K., Ide, K., Hori, H. An MOS array with platinum display electrodes for reflective dynamic scattering LCDs [TV display panels] 1-52547
- Yanagisawa, T. *see* Kasahara, K. 1-42694
- Yanagiuchi, Y., Senno, H., Sakakima, H., Hirota, E., Hasegawa, K., Ikeda, G., Yamaguchi, M. Application of amorphous alloys to audio magnetic heads 1-32976
- Yanai, H. *see* Kamata, N. 1-28596
- Yanai, H. *see* Seki, K. 1-33229, 1-37119, 1-41105
- Yanai, T., Momozawa, M., Hara, S., Hashimoto, T., Ohashi, K. ITV transmission field experiments on an expressway using optical/power composite cable 1-38037
- Yanaka, K. *see* Saito, T. 1-41822
- Yanaka, M. *see* Takahashi, M. 1-33991
- Yanari, T. *see* Ikeda, M. 1-39035
- Yanari, T. *see* Teranishi, T. 1-39034
- Yanase, T., Inoue, H., Iwasa, S., Orihara, S., Matsuyama, S. Design and characterization of a 1 megabit bubble memory device with relaxed function designs 1-46453
- Yang, C.C.T. *see* King, M. 1-34750

- Yang, E.S., Dove, D.B., Shafer, M., Chang, I.F. Electron traps in  $\text{AlPO}_4$  substituted zinc silicate phosphors 1-41004
- Yang, E.S. *see* Wu, C.M. 1-40537, 1-50908
- Yang, G.J., Huang, T.S. The effect of median filter on edge location estimation 1-37571
- Yang, H.T. *see* Zehr, S.W. 1-35386
- Yang, J. *see* Halbach, K. 1-48391
- Yang, J. *see* Madan, A. 1-35373
- Yang, J.J.J. *see* Coleman, J.J. 1-50813
- Yang, J.J.J. *see* Zehr, S.W. 1-35386
- Yang, K.W., Owen, S.J.T., Smith, D.H. Studies of temperature effects in AC thin-film EL devices 1-41025
- Yang, M.C.K., Schreckengost, J.F. Difference sign test for comovements between two time series 1-35775
- Yang, M.H. *see* Hwang, H.L. 1-45099
- Yang, M.-J., Gabriel, R., Kinnison, W.W., Matis, H.S., Anderson, H.L. Fiber-optics light guides for thin scintillators 1-48584
- Yang, S. Noncircular optical waveguides and modal choice 1-46539
- Yang, S.J. Finite element method in evaluating the stator natural frequencies of small machines 1-53498
- Yang, S.M. Reduction of computation in TDM-FDM transmultiplexer 1-37671
- Yang, W.H. *see* Watson, L. 1-39682
- Yang, Y.C. *see* Chen, L.J. 1-50754
- Yang Dayan, Xu Ping Integrated Schottky logic (ISL) 1-32247
- Yang Guan-De *see* Li Zheng-Meng 1-34718
- Yang Gui-lin *see* Han Shi-ying 1-40825
- Yang Hua-li *see* Zhang Min 1-28087
- Yang Lie *see* Yang-zhang Wei 1-53656
- Yang Ping *see* Ping Yang
- Yang Shan-yuan *see* Liu Yi-xian 1-41064
- Yang Sung Hun *see* Sung Hun Yang
- Yang Tian-long, Su Hai-zheng, Gao Pei-Juan Raman mixing in an optical fiber 1-28437
- Yang Tian-long *see* Gao Pei-juan 1-33269
- Yang Tien Tsai *see* Tien Tsai Yang
- Yang Xi-rong *see* Kong Guang-lin 1-27868, 1-50833
- Yang Xin-yuan *see* Shao Li-jin 1-33193
- Yang Yin *see* Wu Chang-zheng 1-33192, 1-46675
- Yang Yu-fen *see* Zheng Dueng 1-27332
- Yang Yu-Tung *see* Yu-Tung Yang
- Yang Zhankun *see* Han Jieping 1-27961
- Yang-Sup Song, Choochon Lee Electrical transport and optical absorption of amorphous Si-Ge alloy film 1-45949
- Yanglai Cho, Crosbie, E.A., Takeda, H. Determination of transverse phase-space and momentum error from size measurements along the 50-MeV  $\text{H}^-$  RCS injection line 1-48381
- Yanglai Cho, Madsen, J., Seung-Ai Shin, Stipp, V. Measurements of  $\text{H}^0$  and  $\text{H}^+$  ion yields during  $\text{H}^-$  acceleration in a 50-MeV linac 1-48341
- Yanglai Cho, Potts, C.W., Rauchas, A.V., Seung-Ai Shin, Takeda, H. Study of the RFV capture process in the Argonne Rapid Cycling Synchrotron 1-48380
- Yanizeski, G.M., Johnson, E.L., Schneider, R.G. Cable sheath buckling studies and the development of a bonded stalpeth sheath 1-32435
- Yanizeski, G.M. *see* Reynolds, M.R. 1-32434
- Yanmao Deng *see* Deng Yanmao
- Yannakakis, M. Edge-deletion problems 1-44928
- Yannakakis, M. Node-deletion problems on bipartite graphs 1-44929
- Yannopoulos, P.P. *see* Tegopoulos, J.A. 1-49805, 1-53784
- Yano, H. *see* Mitamura, K. 1-31628
- Yano, K. *see* Takashima, H. 1-37853
- Yano, M., Imai, H., Hori, K., Takusagawa, M. High temperature characteristics of stripe-geometry  $\text{InGaAsP/InP}$  double-heterostructure lasers 1-37106
- Yano, M., Imai, H., Takusagawa, M. Analysis of threshold temperature characteristics for  $\text{InGaAsP/InP}$  double heterojunction lasers 1-51459
- Yano, M. *see* Sumi, Y. 1-53526
- Yano, S., Ishimaru, A. A theoretical study of the input impedance of a circular microstrip disk antenna 1-28978
- Yano, S., Ishimaru, A. Broadbanding of microstrip antennas by orthogonal polarizations 1-51713
- Yano, T. *see* Takekoshi, Y. 1-45446
- Yanokura, M., Kohno, I., Nakahara, H., Yamakoshi, K. Heavy ion identification system by using a gas proportional counter telescope 1-30347
- Yanovsky, V.K., Voronkova, V.I. Flux growth and characteristics of some ferroelectric and related crystals 1-39740
- Yanura, Ya. *see* Sandler, A.S. 1-44395
- Yanushauskas, A.I. On the correctness of boundary value problems for multidimensional equations of mixed type 1-35900
- Yanushkevichus, Z.I., Valuzhis, K.-A.K., Valuzhene, N.P. A resolver for simulating twelve normal leads from three corrected orthogonal ones [electrocardiography] 1-48702
- Yao, A. *see* Dolev, D. 1-33510
- Yao, C.Y., Chao, A.W. Estimate of coherent tune shifts for PEP 1-43026
- Yao, C.Y. *see* Chao, A.W. 1-48491
- Yao, C.Y. *see* Lee, M.J. 1-42908
- Yao, C.Y. *see* Richter, B. 1-42876
- Yao, H.H. *see* Yip, G.L. 1-28441
- Yao, I. High performance elastic convolver with parabolic horns 1-36751
- Yao, I. *see* Reible, S.A. 1-36758
- Yao, K., Milstein, L.B. The use of moment space bounds for evaluating the performance of nonlinear digital communication systems 1-37889
- Yao, K. *see* Reisenfeld, S. 1-37577
- Yao, N.P. *see* Hornstra, F. 1-31438
- Yao, N.P. *see* Webster, W.H., Jr. 1-31592
- Yao, S. Six reactors launch China's nuclear programme 1-53181
- Yao, T., Maekawa, S. Molecular beam epitaxy of zinc chalcogenides 1-35952
- Yao, Y.L. High resolution display and printing technique 1-47941
- Yao Chai *see* Chai Yao
- Yao Jian-quan Simultaneous active AM plus passive FM with Q-controlling mode-locked high power pulsed laser 1-28704
- Yao Xi-xian Static behavior of variable thickness superconducting microbridges 1-46466
- Yao Yue *see* Yue Yao
- Yao-nan Yu, El-Sharkawi, M.A. Estimation of external dynamic equivalents of a thirteen-machine system 1-30624
- Yao-nan Yu, El-Sharkawi, M.A. Estimation of external dynamic equivalents of a thirteen-machine system 1-38689
- Yao-sheng Chen *see* Chen Yao-sheng
- Yaozong Fu *see* Fu Yaozong
- Yap, B.K. *see* Murphy, R.E. 1-42554
- Yaraneri, H., Grassie, A.D.C., He Yusheng, Loram, J.W. A quasi-Kondo effect in  $\text{Pb}_{1-x}\text{Ge}_x\text{Te}$  alloys 1-36494
- Yarashynas, K. *see* Baltrameynas, R. 1-32650
- Yarba, V.A. *see* Ageyev, A.I. 1-42866
- Yardley, J.P. WISPA: a practical continuous speech recognition system 1-41622
- Yarema, R.J. A four quadrant magnet power supply for superconducting and conventional accelerator applications 1-43077
- Yarema, S.M. *see* Martin, W.E. 1-51419
- Yariv, A. *see* Bar-Chaim, N. 1-37153
- Yariv, A. *see* Chen, P.C. 1-28706
- Yariv, A. *see* Chun-Ching Shih 1-51305
- Yariv, A. *see* Harder, Ch. 1-51445
- Yariv, A. *see* Katz, J. 1-37156
- Yariv, A. *see* Koch, T.L. 1-28737
- Yariv, A. *see* Lau, K.Y. 1-28721, 1-37141
- Yariv, A. *see* Moyer, R. 1-28563
- Yariv, A. *see* Moyer, R.H. 1-51248
- Yariv, A. *see* Nilsen, J. 1-46793
- Yarmachkov, A.V. *see* Asnis, A.E. 1-44533
- Yarmalis, M.M. *see* Knishevskaya, L.V. 1-28970
- Yarmilko, P.F. *see* Bredikis, Yu.Yu. 1-30466
- Yarmusevich, Ya.S. *see* Gaidukova, I.S. 1-46841
- Yarosh, V.E. *see* Venikov, N.I. 1-48456
- Yaroshevich, O.I. *see* Zhuk, I.V. 1-30370
- Yaroslavskii, L.P., Merzlyakov, N.S. Methods of digital holography 1-49862
- Yaroslavskiy, L.I. *see* Vol'ftein, S.P. 1-41916
- Yarovoi, A.N. *see* Kuznetsov, V.G. 1-30733
- Yarygin, A.P. Scattering of a plane electromagnetic wave by dielectric objects that are nonuniform radially and in terms of the angular coordinate 1-33330
- Yarygin, V.I. *see* Tskhakaya, V.K. 1-27753
- Yasa, Z.A., Amer, N.M. A rapid-scanning autocorrelation scheme for continuous monitoring of picosecond laser pulses 1-28754
- Yashenko, L.I. *see* Izrailev, Y.L. 1-35056
- Yashin, V.E. *see* Mustaev, K.S. 1-33283
- Yashina, N.P. *see* Kirilenko, A.A. 1-51645
- Yashinkas, P.-A.P. *see* Vitkus, A.M. 1-42738
- Yashiro, K., Ohkawa, S. Guided magnetostatic waves of the YIG plate magnetized nonuniformly 1-36828
- Yashiro, M., Sato, K. A new electrochromic material: 1,4-benzoquinone in a non-aqueous solution 1-46483
- Yashumov, I.V. *see* Borisenko, V.E. 1-28728
- Yashumov, I.V. *see* Vorob'ev, A.V. 1-51526
- Yasillo, N.J., Orgega, C.J., Charleston, D.B., Beck, R.N. A new high sensitivity thyroid X-ray fluorescence scanning system 1-34588
- Yasohama, K. *see* Ogasawara, T. 1-28294, 1-28366
- Yasoshima, S. *see* Takakuwa, E. 1-47362
- Yassa-Greiss, F.F. *see* Mikhael, W.B. 1-45513, 1-46964
- Yassievich, I.N. *see* Grekhov, I.V. 1-33142
- Yasu, M. *see* Shibata, S. 1-27182
- Yasubayashi, M. Characteristics of split-phase induction motors due to the specification of stator windings. I 1-49456
- Yasuda, K., Hasegawa, K., Endou, H., Fukui, A., Fujihashi, Y. Configuration of service trunk equipment module for NEAX 61 digital switching system 1-37821
- Yasuda, M. *see* Iida, Y. 1-42662
- Yasuda, M. *see* Shibuya, Y. 1-35111
- Yasuda, S. Programmable color television receiver, model CA975 1-42404
- Yasuda, T. *see* Kobayashi, K. 1-52753
- Yasuda, T. *see* Matsumoto, K. 1-36757
- Yasuda, T. *see* Nomura, T. 1-51071
- Yasuda, Y., Hirata, Y., Ogawa, A. Optimum soft decision for Viterbi decoding 1-47629
- Yasuda, Y., Hirata, Y., Ogawa, A. High rate convolutional codes suitable for Viterbi decoding and their various performances 1-51785
- Yasuhara, H. *see* Tsujikawa, A. 1-32431
- Yasuhara, K. *see* Yamamoto, Y. 1-40168
- Yasuhara, N., Yasumoto, Y. Adaptive linear predictive coding of handwriting signals 1-29193
- Yasui, K. *see* Nakagawa, T. 1-39449
- Yasui, S. *see* Mori, F. 1-26852
- Yasui, T., Masuhara, T., Minato, O. High speed low-power CMOS static RAMs 1-28103
- Yasukawa, H. *see* Ohwada, N. 1-51897
- Yasukochi, K. *see* Hiresaki, Y. 1-41200
- Yasukochi, K. *see* Nishi, M. 1-28388
- Yasukochi, K. *see* Ogasawara, T. 1-28294, 1-28366
- Yasukochi, K. *see* Shimamoto, S. 1-28369, 1-51118
- Yasumoto, Y. *see* Yasuhara, N. 1-29193
- Yasunaga, S., Sasaki, S., Omine, M., Hara, K., Ono, Y. An electron-beam welder for use on mass-produced parts 1-44552
- Yasunari, K. *see* Yamakido, K. 1-33870, 1-52005
- Yasunobu, S.-I., Kikuchi, S., Ihara, Y. New joint to prevent conduit from damage caused by nonuniform settlement 1-42130
- Yasuoka, N. *see* Tsujide, T. 1-27473
- Yasuoka, Y. *see* Hirayama, H. 1-40774
- Yasuoka, Y. *see* Shimizu, H. 1-42710
- Yasuura, H. Theory of the complexity of logic functions and its application to logical design of high-speed logic circuits 1-45405
- Yasuura, H., Iwama, K., Yajima, S. A ring arbiter using oscillation of asynchronous logic circuits 1-32288
- Yatagai, T., Choji, K., Saito, H. Pattern classification using optical Mellin transform and circular photodiode array 1-51860
- Yates, R.E. *see* Shieh, L.S. 1-36027
- Yato, F., Kitayama, S., Kurematsu, A. Real-time pitch extraction method by adaptive searching procedure 1-33580
- Yatsenko, A.A., Tropin, V.V. Steady-state operating conditions of a thyristor-converter and load circuit of a DC motor 1-38999
- Yatsuboshi, R. *see* Yamaguchi, K. 1-33990
- Yatsuda, Y. *see* Kondo, R. 1-40702
- Yatsui, K. *see* Masugata, K. 1-43192
- Yatsun, M.A. Magnetic field of screened primary converter over conducting multilayer sphere with any exciting current contour 1-39067
- Yatsuzuka, K., Watanabe, A. Electro-optical effects in LC (MBBA) sandwich cell including a micropore membrane 1-40973
- Yatsuzuka, Y. *see* Suyderhoud, H.G. 1-47162
- Yatsynina, N.L. *see* Stasyuk, V.P. 1-30240
- Yatsyshin, I.G. *see* Krasnov, L.V. 1-52743
- Yatsyuk, Yu.S. *see* Zaganyach, Yu.I. 1-48063
- Yau, T., Walker, L.N., Graham, H.L., Gupta, A., Raithel, R. Effects of battery storage devices on power system dispatch 1-34772
- Yau, T. *see* Walker, L.N. 1-30613
- Yau-Wu Tang, Elterman, L.J. Performance analysis and routing table generation for tactical switched network 1-29249
- Yau-Wu Tang *see* Elterman, L.J. 1-29524
- Yavid, V.Yu. *see* Pokotilo, Yu.M. 1-36468
- Yavid, V.Yu. *see* Tkachev, V.D. 1-36467
- Yavin, Y., Jordan, A.M. Optimal controls that maximize the probability of hitting a set of targets: a numerical study 1-50150
- Yawo, H., Shinagawa, Y., Shinagawa, Y., Tsunematsu, T. Principal component analysis of systematic lupus erythematosus (SLE): a proposal for handling data with many missing values 1-44845
- Yazawa, S. *see* Hosokawa, M. 1-48175
- Yazgan, E., Safak, M. High-frequency scattering from offset reflectors [antennas] 1-41319
- Yazov, P.A. *see* Vodichev, V.I. 1-30909
- Yazydzhii, A.V. *see* Andreev, A.Ts. 1-28479
- Ye, Y. *see* Naraine, P. 1-36787
- Ye Longfei Weak-lens approximation of the electrostatic lens systems of periodic fields 1-41192
- Ye Xan-ming, Wu Shan-liang An energy monitor for high repetition rate pulsed lasers 1-37186
- Ye-xin Chen *see* Chen Ye-xin
- Yeager, K. R & D status report: Advanced Power Systems Division [of EPRI] 1-30852
- Yeager, K. R & D status report: Coal combustion systems division. [Coal-cleaning test facility] 1-35021
- Yeager, K. R & D status report. Coal combustion systems division 1-35026
- Yeager, K. Coal Combustion Systems Division 1-43907
- Yeager, K. R & D status report: coal combustion systems division advanced  $\text{SO}_2$  control 1-53230
- Yeaman, M.D. *see* Bhattacharya, P.K. 1-36590
- Yean-Woei Kiang *see* Chun Hsiung Chen 1-41213
- Yeann-Ik Choi Enhancement of breakdown voltages of Schottky diodes with a tapered window 1-32787

- Yeann-Ik Choi *see* Se-Ho Oh 1-27943
- Yeats, R., Chai, Y.G., Gibbs, T.D. Performance characteristics and extended lifetime data for InGaAsP/InP LEDs 1-37046
- Yeats, R., Von Dessonneck, K. Detailed performance characteristics of hybrid InP-InGaAsP APDs 1-37043
- Yee, J.S., Furlong, W.J. An extremely lightweight fuselage-integrated phased array for airborne applications 1-29029
- Yee, K.F. *see* Terrill, W.A. 1-48912
- Yee, T.K. *see* Rotman, S.R. 1-28677
- Yee, Y.S. *see* Terman, L.M. 1-28130
- Yefimov, A.I. *see* Timofeyeva, T.S. 1-37316
- Yegnanarayana, B. A pole-zero model for cepstrally smoothed speech spectra 1-37464
- Yegnanarayana, B. Design of ARMA digital filters by pole-zero decomposition 1-41647
- Yegorov, Ye.A., Kabanov, D.A. Multivariate transfer functions of nonlinear distributed systems 1-32152
- Yeh, C.-F. *see* Sugano, T. 1-40474
- Yeh, J.T.C. *see* Schultz, L. 1-28936
- Yeh, P., Gunning, W., Hall, R., Tracy, J. Dispersive birefringent filters for laser communications 1-51246
- Yeh, S. *see* Shieh, L.S. 1-36027, 1-36039
- Yeh, T.H. *see* Church, M.A. 1-28244
- Yeh, W.C. *see* Cadieu, F.J. 1-28307
- Yeh, Y.S. *see* Acampora, A.S. 1-29247
- Yeh Bao-Sung *see* Bao-Sung Yeh
- Yelin, O.P. *see* Yakovlenko, S.I. 1-46689
- Yell, R.W. Developments in waveguide below cut-off attenuators at NPL 1-42721
- Yellin, N., Gafni, G. Vertical unseeded vapor growth of large  $\alpha$ -GeTe crystals 1-35937
- Yelon, A. *see* Dorlanne, O. 1-28180
- Yelyan, V.V. *see* Ageyev, A.I. 1-42866
- Yen, C.Y., Collins, S.A., Jr. Operation of a numerical optical data processor 1-28540
- Yen, C.Y. *see* Fatehi, M.T. 1-41814
- Yen, K.H. *see* Lau, K.F. 1-36771
- Yen, P., Paul, J.A., Itoh, T. Millimeter-wave planar slot antennas with dielectric feeds 1-47063
- Yen, P. *see* Paul, J.A. 1-45660
- Yen, R. *see* Liu, J.M. 1-32760
- Yen, W.M. *see* Broer, M.M. 1-28750
- Yen, Y., Ulrich, R. Birefringent optical filters in single-mode fiber 1-36997
- Yen, Y., Ulrich, R. Birefringence measurement of fiber-optic devices 1-51153
- Yen Chu-Sun *see* Chu-Sun Yen
- Yen Huan C. *see* Huan C. Yen
- Yen Tsai Mon *see* Mon Yen Tsai
- Yen-Cheng Pan, Doss, E.D. Power takeoff analysis for diagonally connected MHD channels 1-35404
- Yencharis, L. Local-net communications improves at both ends 1-37741
- Yeo, M.R. A microwave integrated circuit six-port reflectometer 1-42737
- Yeo, T.S. *see* Leong, M.S. 1-45606
- Yeo, Y.K., Park, Y.S., Byung Doo Choe Comparative studies of Mg implants in GaAs in different annealing environments 1-36480
- Yeo, Y.K. *see* Park, Y.S. 1-40406
- Yeomans, K. British local radio and the community 1-52212
- Yeongming Hwang, Ersoy, L., Brokish, L.F. Radiation from coaxial cavity feed with aperture reactance (IRIS) loading 1-47006
- Yeongming Hwang, Han, C.C. The use of GTD in the design and analysis of low sidelobe reflector antennas 1-51719
- Yep, T.O., Fulks, R.T., Powell, R.A. Scanned electron beam annealing of boron-implanted diodes 1-27972
- Yep, T.O. *see* Powell, R.A. 1-50877
- Yesepkina, N.A. *see* Vasil'yev, B.A. 1-34024
- Yesha, Y. *see* Perl, Y. 1-33707
- Yesikov, O.S., Toloknov, N.A., Fetisov, Yu.K. Spectra of microwave power transmitted by surface magnetostatic waves in YIG plates 1-28253
- Yesikov, O.S., Toloknov, N.A., Fetisov, Yu.K. Delay time of magnetostatic surface waves in a ferrite-dielectric-metal structure 1-40827
- Yesil, O. Solar energy conversions: solar-electric thermophotovoltaic (TPV) systems and solar-powered gas lasers 1-53651
- Yeung, K.S. Stability of reduced model obtained by truncation 1-39841
- Yeung, K.S. Application of Routh's criterion to test for positive real functions 1-39842
- Yewell, R.B. *see* Bejan, A. 1-34398
- Yi-xian Liu *see* Liu Yi-xian
- Yi-Yan, A. *see* Pun, E.Y.B. 1-36866
- Yih Chen Chung *see* Chung Yih Chen
- Yih Shiau, Valentino, A.R. ELF electric field coupling to dielectric spheroidal models of biological objects 1-34556
- Yih-cheng Chen *see* Lin-shan Lee 1-29365
- Yih-Chyun Jenq *see* Murata, T. 1-32380
- Yim, G.K. *see* Archer, M.D. 1-53645
- Yin, J.C.W., Portnoy, W.M. Reliability study of refractory gate gallium arsenide MESFETs 1-36644
- Yin Dao-le *see* Li Chuan-yi 1-40872
- Yin Hong *see* Zhao Bolin 1-38590
- Yin Kang Zhu *see* Zhu Yin Kang
- Yin Yang *see* Yang Yin
- Yin Zong-min, Zhu Song-lai, Chen Yao-sheng A focusing optical fiber lens 1-33066
- Yin-bao Chen *see* Chen Yin-bao
- Yin-yue Wang *see* Wang Yin-yue
- Yincheng Lu *see* Lu Yincheng
- Yinchun Hou *see* Hou Yinchun
- Ying, A.S., Eckels, P.W., Litz, D.C., Moore, W.G. Mechanical and thermal design of the EPRI/Westinghouse 300 MVA superconducting generator 1-31183
- Ying, R.S. *see* Chang, K. 1-40538
- Ying, S.P., Dennison, E.E. Vibration diagnosis for turbine-generators 1-38956
- Ying L. Tsui *see* Kun-Shan Lin 1-37438
- Ying Zuxun *see* Zhu Zhensheng 1-42398
- Ying-an Mo *see* Mo Ying-an
- Ying-chao Ruan *see* Ruan Ying-chao
- Ying-hua Zhou *see* Zhou Ying-hua
- Ying-Ping Zheng *see* Zheng Ying-Ping
- Yingling, R.D. *see* Fekete, D. 1-33224
- Yinyue Wang *see* Wang Yinyue
- Yiou, F. *see* Raisbeck, G.M. 1-48665
- Yip, G.L., Yao, H.H. Numerical study of inhomogeneous optical waveguide problems using predictor-corrector method 1-28441
- Yiting Cao *see* Cao Yiting
- Yiu, K.P., Eschenbach, R., Lee, F. Land navigation with a low cost GPS receiver 1-29821
- Yiu-Fai Chan *see* Cheng, P.Y. 1-28131
- Ynoue, E.I. *see* Pinto, J.K.C. 1-47656
- Yntema, J.L., Den Hartog, P.K., Henning, W., Kutschera, W. The Argonne tandem as injector to a superconducting linac 1-43135
- Yntema, J.L. *see* Henning, W. 1-42856
- Yoda, H. *see* Takeda, S. 1-33650
- Yoder, N.R. *see* Penner, S. 1-38340
- Yodokawa, T., Hamada, S.J. An X-band single horn autotrack antenna feed system 1-47082
- Yoffa, E.J. *see* Rosenberg, J.J. 1-45892
- Yogi, T., Mercereau, J.E. Microwave surface resistance of Nb films 1-28291
- Yoh-Han Pao, Lee, D.T. Additional results on the Cadzow ARMA method for spectrum estimation 1-37626
- Yoh-Han Pao *see* Huang Tai-Yi 1-37467
- Yokoi, H. *see* Shiokawa, T. 1-41427
- Yokoi, S. *see* Nasu, T. 1-48689
- Yokoi, S. *see* Toriwaki, J. 1-41820
- Yokoi, T. *see* Tokushima, H. 1-47269, 1-51879
- Yokokawa, K. *see* Umemura, T. 1-49890
- Yokokawa, S. *see* Namba, M. 1-43555
- Yokokura, K., Masuda, S., Nishikawa, H., Okawa, M., Ohashi, H. Multiple restriking voltage effect in a vacuum circuit breaker on motor insulation 1-39095
- Yokokura, K., Masuda, S., Nishikawa, H., Okawa, M., Ohashi, H. Multiple restriking voltage effect in a vacuum circuit breaker on motor insulation 1-44272
- Yokomoto, C.F. On improving tolerance assignments in design centering by the application of equivalent network theory 1-45187
- Yokomoto, C.F. Computer-aided filter optimization using sequential local realizability maps 1-45194
- Yokono, Y. *see* Tokuda, T. 1-44048
- Yokoshima, I. *see* Nakane, H. 1-51656
- Yokota, M. *see* Kawaguchi, E. 1-29105
- Yokota, M. *see* Kawaguchi, E.W. 1-34716
- Yokota, M. *see* Suganami, T. 1-53368
- Yokota, T.T. *see* Fessenden, T.J. 1-48557
- Yokoya, N., Tomita, F., Tamura, H. An overview of image processing algorithms. V. Region segmentation 1-41800
- Yokoyama, H. *see* Hirose, K. 1-34889, 1-43755
- Yokoyama, H. *see* Ito, H. 1-37113, 1-41104
- Yokoyama, J. *see* Igarashi, M. 1-34959
- Yokoyama, K., Sato, N., Goto, S., Makiyo, M., Mase, S. Telecommunication cable splicing method using a new heat shrinkable sleeve 1-32444
- Yokoyama, K. *see* Nakagawa, S. 1-52260
- Yokoyama, K. *see* Sakaki, H. 1-50884
- Yokoyama, M. Performance Analysis of an SSRA communication system 1-33420
- Yokoyama, N., Mimura, T., Fukuta, M., Ishikawa, H. A self-aligned source/drain planar device for ultrahigh-speed GaAs MESFET VLSIs 1-28135
- Yokoyama, S. *see* Kageyama, J. 1-39180
- Yokozawa, N. *see* Maio, K. 1-27589, 1-40200
- Yonechi, S., Horima, H., Tanaka, S., Ishihara, K. Application of spacer forming technique to communication cables 1-32440
- Yoneda, K. *see* Ohdomari, I. 1-46051
- Yoneda, T. *see* Hirata, N. 1-30939
- Yoneda, Y. *see* Hasemi, J. 1-43890
- Yonei, H. *see* Niina, T. 1-46657
- Yonemura, M., Nishisaka, T., Machida, H. Endoscopic hologram interferometry using fiber optics 1-37222
- Yoneshige, Y. *see* Yamaguchi, H. 1-30607
- Yoneyama, H. *see* Kishigami, M. 1-30581
- Yoneyama, H. *see* Yamazaki, N. 1-30037
- Yoneyama, T. *see* Gomi, J. 1-41280
- Yoneyama, T. *see* Mishra, R.K. 1-46427
- Yonezawa, M. *see* Takamizawa, H. 1-45721
- Yong, W.B. *see* Cain, G.J. 1-42125
- Yong-an Shui *see* Shui Yong-an
- Yong-da Wang *see* Wang Yong-da
- Yong-guang Wang *see* Wang Yong-guang
- Yong-Hoon Yun *see* Curtice, W.R. 1-46143
- Yong-Se Kwon *see* Se-Ho Oh 1-27943
- Yong-sui Fang, Zong-xuan Hu A preliminary discussion on computer-aided qualitative synthesis of networks by heuristic approach 1-50372
- Yongacoglu, A. *see* Navarro, D. 1-42141
- Yongchang Du *see* Du Yongchang
- Yongzhou Shen *see* Shen Yongzhou
- Yonnet, J.-P. Permanent magnet bearings and couplings 1-28249
- Yoo, H., Iles, P., Hyland, S. Opto-electronic properties of cells made from various silicon forms 1-35372
- Yoon, J.Y. *see* Man-Loong Chan 1-34778, 1-38663
- Yop Hahn Song *see* Song Yop Hahn
- Yoresch, I. *see* Engler, G. 1-52661
- Yoresch, I. *see* Schmid, M. 1-48548
- Yorinks, L.H. Rectangular, coaxial-line, split-tee power dividers 1-45622
- Yoriume, Y. *see* Minegishi, K. 1-40709
- York, R.C., Sheppard, J.C., Norum, B.E., McCarthy, J.S. A proposal for a high current, high duty factor electron accelerator 1-42794
- York, R.L. *see* Chamberlin, E.P. 1-43154
- York, R.L. *see* Martin, S.D., Jr. 1-48599
- Yorke, R. *see* Blake-Coleman, B.C. 1-49853
- Yorker, J.G. *see* Tole, J.R. 1-34561
- Yoshida, A., Lamont, R.G., Johnson, D.C. Cascaded transmission star coupler 1-46493
- Yoshida, A., Lamont, R.G., Johnson, D.C. Cascaded transmission star couplers 1-51210
- Yoshida, H. *see* Adachi, F. 1-51839
- Yoshida, H. *see* Hanaki, S. 1-47456
- Yoshida, H. *see* Kobayashi, M. 1-43212
- Yoshida, H. *see* Yamamura, K. 1-44244
- Yoshida, J., Ozaki, T., Goto, Y. PANAMAP-8: a mask verification system for bipolar IC 1-46290
- Yoshida, K. New transfer-matrix theory of linear induction machines, taking into account longitudinal and transverse ferromagnetic end effects 1-53488
- Yoshida, K., Ichinowatari, K. Development of CVD control system 1-28454
- Yoshida, K. *see* Eda, H. 1-36903
- Yoshida, K. *see* Fujii, T. 1-40298
- Yoshida, K. *see* Funakubo, H. 1-33574
- Yoshida, K. *see* Kuroda, J. 1-51431
- Yoshida, K. *see* Miki, S. 1-51837
- Yoshida, K. *see* Mitsui, H. 1-53365
- Yoshida, K. *see* Nakahara, M. 1-36949
- Yoshida, K. *see* Nishi, M. 1-28388
- Yoshida, K. *see* Sakaguchi, T. 1-44550
- Yoshida, K. *see* Shimamoto, S. 1-28369, 1-51118
- Yoshida, K. *see* Terahe, H. 1-44042
- Yoshida, K. *see* Ueda, N. 1-48377
- Yoshida, K. *see* Watanabe, M. 1-42822
- Yoshida, K. *see* Yamaguchi, T. 1-37236
- Yoshida, K. *see* Yamanaoka, C. 1-51412
- Yoshida, M. A periodically sampled queueing system with load regulation 1-47282
- Yoshida, M., Umoto, J. Quasi-two-dimensional analysis of diagonal MHD generator 1-35401
- Yoshida, M. *see* Fuji, S. 1-43323
- Yoshida, M. *see* Iida, Y. 1-42662
- Yoshida, M. *see* Masui, T. 1-27686
- Yoshida, M. *see* Matsuo, M. 1-43321
- Yoshida, M. *see* Nakahara, M. 1-36949
- Yoshida, M. *see* Tokunaga, Y. 1-32407
- Yoshida, M. *see* Tokushima, H. 1-47269, 1-51879
- Yoshida, M. *see* Yoshida, Y. 1-43456
- Yoshida, N., Fukui, I., Fukuoka, J. Nodal equations of the electromagnetic field with sources 1-37253
- Yoshida, N., Fukui, I., Fukuoka, J. Adaptation of Bergeron's method to complicated boundary problems 1-46824
- Yoshida, N., Taga, Y., Terasaka, A., Mizukami, A., Takahashi, O., Yamano, M. A gas/microwave combination oven 1-49819
- Yoshida, N. *see* Kikuno, T. 1-39522
- Yoshida, S. Computer related application of fiber optical communications 1-37900
- Yoshida, S. *see* Haneishi, M. 1-41395
- Yoshida, S. *see* Haneishi, M.N. 1-47055
- Yoshida, S. *see* Kobayashi, Y. 1-32398, 1-45611
- Yoshida, T., Ninomiya, I. Computation of modified Bessel functions K<sub>n</sub>(x) with small argument x 1-44795
- Yoshida, T. *see* Kubota, H. 1-45538
- Yoshida, T. *see* Matsuda, A. 1-45908
- Yoshida, T. *see* Tateno, A. 1-44520
- Yoshida, Y., Yoshida, M., Nishitsuji, A. Basic research on the quantitative measurement of coal dust and rock dust using He-Ne laser 1-43456
- Yoshida, Y. *see* Kato, M. 1-41868
- Yoshida, Y. *see* Takenaka, T. 1-47318
- Yoshihara, H. *see* Okada, I. 1-32080
- Yoshihara, K. *see* Takagi, Y. 1-47207
- Yoshihara, T. *see* Nagayama, Y. 1-36225

- Yoshihiro, N.** *see* Takasu, S.I. 1-40489
- Yoshii, S.** *see* Maeda, Y. 1-46393
- Yoshii, S.** *see* Yabumoto, N. 1-40519
- Yoshiie, T., Iwanaga, H., Yamaguchi, T., Shibata, N.** Effect of an electric field on the polarity of growth direction in CdSe and ZnO crystals 1-27099
- Yoshiie, T., Iwanaga, H., Yamaguchi, T., Shibata, N.** Effect of oxygen on the growth of ZnO crystals along the polar axis 1-39751
- Yoshiie, T.** *see* Iwanaga, H. 1-27095
- Yoshikawa, K.** *see* Shinoda, T. 1-45881
- Yoshikawa, M., Suzuki, N., Suzuki, T.** Coherence characteristics of a single-mode GaAlAs laser diode 1-28718
- Yoshikawa, M.** *see* Goto, K. 1-41970
- Yoshikawa, M.** *see* Kozono, S. 1-47569
- Yoshikawa, N.** *see* Izumi, K. 1-51912
- Yoshikawa, S.** CRT displays for computer terminals developing rapidly 1-52388
- Yoshikawa, S.** *see* Yamashita, T. 1-33009
- Yoshikawa, Y., Miyagi, M., Kawakami, S.** Analysis of a two-dimensional periodic optical waveguide 1-51201
- Yoshikiyo, H.** *see* Hikita, M. 1-29585
- Yoshimi, M.** *see* Kamei, K. 1-46133
- Yoshimori, S.** *see* Kokubo, Y. 1-33191
- Yoshimoto, H.** *see* Fujimori, H. 1-40818
- Yoshimoto, S.** *see* Sasaoka, H. 1-47618
- Yoshimoto, T.** *see* Yamada, H. 1-47728
- Yoshimura, M., Bowen, H.K.** Electrical breakdown strength of alumina and high temperatures 1-51037
- Yoshimura, M.** *see* Imaizumi, I. 1-40690
- Yoshimura, M.** *see* Murase, H. 1-41821
- Yoshimura, Y.** *see* Kobayashi, M. 1-43212
- Yoshimura, Y.** *see* Kusumegi, A. 1-48580
- Yoshinaga, K., Sakuma, S., Ibuki, K., Hosomi, M., Tanaka, M.** A short-circuit testing technique for gas circuit breakers 1-53582
- Yoshinaga, K.** *see* Tominaga, S. 1-35304, 1-39100
- Yoshinaga, K.** *see* Ueda, Y. 1-35310, 1-49616
- Yoshinaga, T., Sugimoto, N., Kakutani, T.** Non-linear wave interactions on a discrete transmission line 1-46976
- Yoshinari, S.** *see* Akamatsu, N. 1-40063, 1-46121
- Yoshinari, T.** *see* Yamazaki, N. 1-30037
- Yoshino, J., Iwamoto, T., Kukimoto, H.** Organometallic vapor phase epitaxial growth of  $\text{In}_{1-x}\text{Ga}_x\text{P}$  ( $x \approx 0.5$ ) on GaAs 1-32066
- Yoshino, K., Nojima, K., Kitani, I., Iwakawa, S., Inuishi, Y.** Intrinsic photoconduction in polymer induced by vacuum-ultraviolet light 1-51258
- Yoshino, T.** High speed mass memory [VLBI] 1-52181
- Yoshino, T., Ohno, Y.** Fiber Fabry-Perot interferometers 1-36956
- Yoshino, T., Ozaki, T., Fukunishi, H.** Occurrence distributions of VLF hiss and saucer emissions over the southern polar region 1-46879
- Yoshino, T.** *see* Hasegawa, S. 1-34031
- Yoshino, T.** *see* Umegaki, S. 1-36984
- Yoshino, Y.** *see* Murakami, K. 1-38761
- Yoshioka, A.** *see* Nakanishi, K. 1-31359
- Yoshioka, K., Amano, Y., Morikawa, G.** Flame resistant communication cable with lead screen tape coated with polymer 1-32446
- Yoshioka, K., Amano, Y., Nakatani, T., Asano, Y., Sogabe, K., Kohama, N., Morikawa, G.** Development of a flame resistant cable with a metallic shielding layer for use in signal transmission 1-37849
- Yoshioka, N.** *see* Edaishi, T. 1-36903
- Yoshioka, Y.** *see* Yamagiwa, T. 1-44279
- Yoshitake, J.** *see* Shirakawa, H. 1-49650
- Yoshiya, K.** Methods of detection of digital errors in PCM-decoded speech signals using frequency spectrum 1-51786
- Yoshizaki, K.** *see* Minato, O. 1-27470
- Yoshizawa, A., Okubo, M., Morimatsu, M., Ootake, A., Fujiwara, H.** Tobu Tetsudo communication system using leaky coaxial cable 1-29639
- Yoshizawa, M.** *see* Katayama, T. 1-48382
- Yoshizawa, R.** *see* Chadwick, H. 1-47607
- Yoshizawa, S.** *see* Watanabe, K. 1-52060
- Yoshizawa, T.** *see* Kurokawa, T. 1-51168
- Yoshizawa, T.** *see* Negishi, Y. 1-29598
- Yoshizawa, Y.** *see* Noma, H. 1-43140
- Yoshizumi, K.** *see* Kominami, M. 1-45174
- Yoshzaki, K., Yuwasaki, M., Suzuki, M.** Heavy coupled transmission line for video signal transmission system 1-29586
- Yosida, S.** *see* Fukagawa, H. 1-43701
- Yosioaka, K.** *see* Hayakawa, Y. 1-43303
- Yost, R.A., Boyd, R.W.** A modified PN code tracking loop: its performance and implementation sensitivities 1-29207
- Yotsumoto, K., Sugiura, T.** New DC power supply system 1-44242
- You-dou Zheng** *see* Zheng You-dou
- You-Wen He** *see* He You-Wen
- You-yu Chang** *see* Chang You-yu
- Youmans, D.M.** *see* Gatrell, M. 1-42697
- Youn, D.H., Ahmed, N.A.** Method for generating a class of time-delayed signals 1-41777
- Youn, M.M.** High speed PMG containment study for VSCF system 1-52920
- Young, D.** *see* Forster, R. 1-42976
- Young, D.A.** *see* Guthrie, H.P. 1-41857
- Young, D.C.** The British Post Office external students scheme for technical education 1-26801
- Young, D.E.** The Fermilab proton-antiproton collider 1-42781
- Young, D.R.** *see* Hartstein, A. 1-32708
- Young, E.J.** Future engineering managers—pitfalls of selection and development 1-49923
- Young, E.L.** New technologies for colleges and universities 1-31772
- Young, G.** *see* Bhargava, V.K. 1-41494
- Young, J.** *see* Friedmann, D. 1-32527
- Young, J.D.** *see* Gross, F.B. 1-37290
- Young, J.D.** *see* Moffatt, D.L. 1-41202
- Young, J.D.** *see* Walton, E.K. 1-47700
- Young, J.E.R.** *see* Gatrell, M. 1-42697
- Young, J.F.** *see* Mendelsohn, A.J. 1-33174
- Young, J.F.** *see* Vermeulen, L.A. 1-46626
- Young, J.M.** *see* Leitola, A. 1-27922
- Young, K.M.** *see* Penner, S. 1-42871
- Young, L.M.** *see* Penner, S. 1-38340
- Young, M.** Linearity and resolution of refracted near-field scanning technique 1-28494
- Young, M.H.** PRIM: a placement and routing implementation system for master-slice LSI chip design 1-32872
- Young, M.H., Cooke, L.** A preprocessor for channel routing [IC layout] 1-46263
- Young, M.J.** *see* Bonneau, R.J. 1-42574
- Young, P.** Spreading the word at the BBC 1-47760
- Young, R., Foster, G.** Applications for modular and discrete wire cable splicing 1-32445
- Young, R.A.** *see* Iscoe, S. 1-52774
- Young, R.G.** Variable expansion unit 1-50594
- Young, R.T., Lu, M.C., Westbrook, R.D., Jellison, G.E., Jr.** Effect of lithium on the electrical properties of grain boundaries in silicon 1-32603
- Young, W.** Simplified sine/cosine data set generator 1-52369
- Young, W.C., Curtis, L.** Moving optical fiber array switch for multimode and single-mode fibers 1-36954
- Young, W.C., Curtis, L.** Cascaded multipole switches for single-mode and multimode optical fibres 1-46516
- Young, W.C.** *see* Kaiser, P. 1-28501
- Young, W.L., Jr.** *see* Murphy, W.J. 1-52855
- Youngblood, G.** *see* Hughes, R. 1-51012
- Youngbluth, O., Jr., Storey, R.W., Glendenin, C.G., Jones, S., Leighty, B.** Ozone profiles from tethered balloon measurements in an urban plume experiment 1-43458
- Youngdahl, C.A.** *see* Shack, W.J. 1-34723
- Youngde, D.** The line model [electronic switching systems] 1-42072
- Younkins, T.D., Johnson, L.H.** Steam turbine over-speed control and behavior during system disturbances 1-43926
- Younkins, T.D., Johnson, L.H.** Steam turbine over-speed control and behavior during system disturbances 1-49293
- Younse, J.M., Hynecek, J., Hosack, H.H., Russell, D.E., Mercer, H.D.** A modular inspection camera 1-26958
- Yount, D.** Dual timer doubles as switch debouncer and oscillator 1-50578
- Yount, D.** *see* Parker, S.I. 1-43235
- Yourd, R.B.** *see* Leemann, B.T. 1-43073
- Yourd, R.B.** *see* Staples, J.W. 1-48425
- Youssef, N.N., Dunbar, W.G.** Environmental effects of particulate debris on spacecraft systems 1-30520
- Ypsilantis, T.** Cerenkov ring imaging 1-38429
- Ypsilantis, T.** *see* Eklof, T. 1-43248
- Yrjonen, T.** *see* Rawlins, T.G.R. 1-34549
- Ytrehus, A.M.** Video-Self Confrontation at the Norwegian Institute of Technology 1-49887
- Ytrehus, A., Mendelsohn** *see* Mendelsohn Ytrehus, A.
- Yu, F.T.S., Dymek, M.S.** Optical information parallel processing: a technique 1-33682
- Yu, F.T.S.** *see* Ruterbusch, P.H. 1-41162
- Yu, F.T.S.** *see* Zhuang, S.L. 1-28789
- Yu, H.-N.** *see* Ning, T.H. 1-51000
- Yu, J.G., Yue, A.S., Stafudd, O.M., Jr.** Growth and electronic properties of the SnSe semiconductor 1-39757
- Yu, J.S.** Self-consistent evaluation of complex constitutive parameters [in remote sensing] 1-38606
- Yu, J.S., Williams, J.W.** Synthetic imaging from coherent backscattering 1-37953
- Yu, K.K., Chwang, R., Bohr, M.T., Seidenfeld, M., Berglund, C.N.** HMOS-CMOS technology 1-28134
- Yu, K.L.** *see* Chen, P.C. 1-28706
- Yu, P.S., Lin, S.** An efficient selective-repeat ARQ scheme for satellite channels and its throughput analysis 1-29678
- Yu, P.W.** *see* Holmes, D.E. 1-45080
- Yu, P.W.** *see* Won Yu, P.
- Yu, W.C.** Variable length chain linked character list control 1-34255
- Yu Bingcai, Wu Zhenhui** The measurement of minority carrier generation lifetime and surface generation velocity of Si-SiO<sub>2</sub> system using C-V method 1-40461
- Yu Jiaqi, Bryant, F.J.** Annealing studies of erbium-implanted ZnS 1-27798
- Yu Ju-xian** The IAE Peking HI-13 tandem accelerator 1-42852
- Yu Leepo** *see* Leepo Yu
- Yu Lin** *see* Lin Yu
- Yu Pei-nuo** *see* Pei-nuo Yu
- Yu Swei-Yam** *see* Swei-Yam Yu
- Yu Wenyan** *see* Dianyan, F. 1-51421
- Yu Wenyan** *see* Ximing, D. 1-51413
- Yu Xi-ling** *see* Jiang Min-hua 1-39744
- Yu Yao-nan** *see* Yao-nan Yu
- Yu-fen Yang** *see* Yang Yu-fen
- Yu-hai Mao** The detection performance of a modified moving window detector [radar] 1-47703
- Yu-kuan Mao** *see* Mao Yu-kuan
- Yu-Min Li** *see* Van Meirhaeghe, R.L. 1-45996
- Yu-Ping Ho** Pattern transformation and holographic optical systems 1-28810
- Yu-Tung Yang** Proposal for improvement of vertical solar cell 1-44355
- Yu-Tze Chen** *see* Eugene Yu-Tze Chen
- Yuan, C.H.** *see* Chu, S.L. 1-43669
- Yuan, H.T.** *see* Doerbeck, F.H. 1-36672
- Yuan, H.T.** *see* Lam, H.W. 1-32732
- Yuanjing Zhu** *see* Zhu Yuanjing
- Yuanling Wang** Research on electron linear accelerators with traveling wave resonators 1-48441
- Yuba, Y.** *see* Oraby, A.H. 1-32697
- Yudin, M.F.** Implementation of Si units in the measurement of ionizing radiation (discussion) 1-52714
- Yuditskiy, A.I.** *see* Leving, B.R. 1-47211
- Yudkovich, I.Sh.** *see* Klibanov, L.I. 1-38240
- Yudov, M.F., Trubachev, S.G., Rudnev, V.N., Silant'ev, V.A., Lomaev, A.M.** Influence of starting currents on properties of type Monolit-2 insulation 1-35128
- Yue, A.S.** *see* Yu, J.G. 1-39757
- Yue, O.** Hard-decision versus soft-decision decoding for frequency-hopping multiple-access systems in a Rayleigh fading environment 1-33504
- Yue On-Ching** *see* On-Ching Yue
- Yue Yao** *see* Tan Hung 1-34396
- Yuen, G.** *see* Fugitt, J. 1-48356
- Yuen, H.P.** On the capacities and error performance of the free-space optical channel 1-33432
- Yueying Liu** *see* Liu Yueying
- Yuferev, V.S.** *see* Andreev, V.M. 1-28552
- Yuferev, V.S.** *see* Korol'kov, V.I. 1-32794
- Yugai, E., Pavlyanchin, S.G.** Using methods for cleaning the external heating surfaces in the boilers of 800 MW power units 1-43916
- Yuge, Y.** *see* Inada, T. 1-36563
- Yugova, T.G.** *see* Vdovin, V.I. 1-32690
- Yui, H.** *see* Sorimachi, Y. 1-38576
- Yui, M.** *see* Yamamoto, Y. 1-40168
- Yui, Y.** *see* Sorimachi, Y. 1-38576
- Yuill, S.J., Pickholtz, R.L.** Performance modeling for packet networks with satellite overflow channels 1-29712
- Yukawa, A.** A highly sensitive strobed comparator 1-32362
- Yuke Bai** *see* Bai Yuke
- Yuki, K., Hanabe, K., Kawade, T.** Construction of facsimile storage and conversion equipment (STOC) for FICS-1 system 1-33763
- Yuki, K.** *see* Hanabe, K. 1-33765
- Yuki, S., Tanaka, K., Yamashita, S.** Compact 1000 channel frequency synthesizer for 800 MHz land mobile radio equipments 1-29662
- Yuki, S.** *see* Habuka, T. 1-45322
- Yuki, S.** *see* Seki, S. 1-47570
- Yukimoto, Y.** *see* Aiga, M. 1-46157
- Yukimoto, Y.** *see* Kondo, H. 1-40557
- Yukimoto, Y.** *see* Nakamura, G. 1-40421
- Yukiyoshi, A.** *see* Mikami, N. 1-34159
- Yuliang He** *see* He Yuliang
- Yum Tak-shing P.** *see* Tak-shing P. Yum
- Yumin Wang** *see* Wang Yumin
- Yumoto, K.** *see* Saito, T. 1-34692
- Yumoto, M., Sakai, T.** Photo electron emission from dielectric materials by ultraviolet-ray irradiation 1-28148
- Yun Yong-Hoon** *see* Yong-Hoon Yun
- Yun-ming Chen** *see* Chen Yun-ming
- Yun-rong Wei** *see* Wei Yun-rong
- Yun-sheng Huo** *see* Huo Yun-sheng
- Yung Kou, K.** *see* Townes, S.A. 1-29132
- Yunik, M., Swift, G.W.** Tempered music scales for sound synthesis 1-52281
- Yun'kov, M.G.** Electric drives, present-day level and future prospects 1-35415
- Yun'kov, M.G., Il'inskii, N.F.** Prospects for automated electric drive development 1-44394
- Yuozone, L.V.** Elastic longitudinal surface waves and their use for nondestructive inspection 1-36005
- Yuping Sun** *see* Sun Yuping
- Yuratic, M.A.** *see* Hanna, D.C. 1-41072
- Yurchak, B.S.** *see* Sidorov, G.I. 1-38589

- Yurchenko, M.V.** A scheme for forming the recovery voltage and determining its parameters for various conditions of testing circuit breakers 1-49613
- Yurchenko, N.I.** *see* Arlantshev, S.V. 1-37078
- Yurchishin, V.Ya.** Methods for improving the reliability of fixed memory semiconductor devices 1-50983
- Yurganov, A.A.** *see* Gertsenberg, G.R. 1-31189
- Yurkevich, V.M., Kondrat'ev, B.L.** Technique for measuring the strength and other characteristics of an electric field [probe measurement] 1-34350
- Yurkonis, C.** *see* Arzbacher, R. 1-52792
- Yurkov, S.N.** *see* Kuz'min, V.A. 1-46129
- Yurkovskii, D.A.** *see* Zubov, V.G. 1-30127, 1-30128
- Yurov, V.T.** *see* Drazhbin, Yu.A. 1-37199
- Yuschik, M., Martens, H.** An evaluation of hierarchical features in speech recognition 1-41593
- Yushchenko, I.A.** *see* Elizarenko, G.N. 1-39940
- Yushchenko, V.I., Khasanov, I.N.** Use of two-stage stabilisation in optical direction-finding devices 1-52449
- Yusheng He** *see* He Yusheng
- Yushin, A.S.** *see* Andreev, A.Ts. 1-28478
- Yushkevich, A.A.** On reducing a jump controllable Markov model to a model with discrete time 1-26993
- Yushkevich, A.A.** Controlled jump Markov models 1-44882
- Yushko, V.I.** *see* Belen'kii, A.D. 1-39163
- Yushkov, Yu.G.** *see* Devyatkov, N.D. 1-45608
- Yus'kiy, M.A.** Application of synchronous motors for compensation of reactive powers 1-38675
- Yutani, N.** *see* Muro, K. 1-27787
- Yutoh, M.** *see* Katoh, S. 1-37848
- Yuu, F.** *see* Tai, A. 1-41150, 1-41791
- Yuuki, H., Inagaki, K., Yamada, M., Baba, N., Endo, S.** An adaptive cross polarization compensator using two 90° phase shifters 1-33364
- Yuwasaki, M.** *see* Yoshizaki, K. 1-29586
- Yuxia Zheng** *see* Zheng Yuxia
- Yuying Zhang** *see* Zhang Yuying
- Yuzhin, A.I.** *see* Andreeva, L.I. 1-52469
- Yvart, M.** Reflections on the electronics industry in the Eastern European Bloc 1-44678
- Yvon, P.** *see* Chabert, A. 1-42902
- Yvrou, E.** *see* Fauchaux, F. 1-43281
- Ywh-Pyng Harn** *see* Lin-shan Lee 1-29365
- Zaba, T.** Losses in gas turbines due to deposits on the blading 1-31050
- Zabalawi, I.H.** Cascade synthesis of linear phase selective filters 1-45472
- Zabar, Z., Pinto, J.F.** Start-up response of a secondary distribution network. I. Dynamic model of appliance start-up 1-43665
- Zabar, Z.** *see* Pinto, J.F. 1-43666
- Zabebska, L.** Optimization of voltages in a transmission grid with unreliable input data 1-38719
- Zabelin, A.M., Isaev, S.K., Kornienko, L.S.** Laser characteristic control with an intracavity optical fiber 1-46759
- Zabelina, L.G.** *see* Frenkel', A.Y. 1-35053
- Zabkowska, M.** *see* Wacławek, W. 1-34360, 1-40432
- Zablocki, W.** A simplified model of heating of live steam pipelines of a 360 MW power unit in the Belchatow Power Station 1-38898
- Zabolotskikh, V.G.** A method of increasing the noise immunity of the digital channel in PCM systems 1-41469
- Zaborov, A.N., Pavlygin, G.N.** Method of calculating the image in an astigmatic holographic system 1-51534
- Zaborszky, J.** *see* Mukai, H. 1-34780
- Zabusky, N.J.** *see* Christiansen, P.L. 1-51104
- Zaccanti, G.** *see* Bruscaioni, P. 1-37319
- Zach, J.** Use of a TV camera in a sensor for automation of technological equipment of rolling mills 1-47818
- Zachar, C.** *see* Varga, P. 1-51863
- Zacharias, H.J.** *see* Schaefer, M. 1-27185
- Zachau, H., Starke, M.** Design-technological aspects of the component detectability by means of simple sensors 1-34248
- Zachor, A.S., Huppi, E.R.** Nonlinear response of low-background extrinsic silicon detectors. I. A phenomenological model 1-30116
- Zachrau, W.** *see* Jager, A. 1-35262
- Zacks, S.** Bayes equivariant estimators of the variance of a finite population for exponential priors 1-44848
- Zacks, S., Solomon, H.** Bayes and equivariant estimators of the variance of a finite population. I. Simple random sampling 1-44847
- Zadde, V.V.** *see* Afyay, V.V. 1-49345
- Zadiranov, Yu.M.** *see* Andreev, V.M. 1-28552
- Zadorozhnyi, V.I.** *see* Aidarov, F.A. 1-49175
- Zadrozny, J.** Windings of disc-rotor-type electric machines 1-31258
- Zadrzynski, E.** Electric energy shortage due to breakdowns of power generating units 1-34743
- Zaeschmar, G.** The connection between light output of light-emitting diodes and their rise and fall times 1-41032
- Zaev, H.E., Gorlina, L.P.** Freon and oil resistance of electrical insulation materials and structures 1-35114
- Zaev, P.N.** Digital phase-difference torque meter 1-48239
- Zaganyach, Yu.L., Mar'yamova, I.I., Ivashchuk, T.M., Yatsyuk, Yu.S.** Extension of temperature operation interval of semiconductor strain gauge transducers 1-48063
- Zagel, J.R., Bogert, D., Chapman, L.J., Ducar, R.J., Gannon, J.C., Harrison, M., Johnson, G., Martin, M., Segler, S.** Tevatron satellite refrigeration control subsystem 1-42800
- Zagel, J.R., Chapman, L.J.** A vacuum control subsystem for the Fermilab Tevatron 1-42806
- Zaghloul, A.I.** *see* Assal, F.T. 1-47647
- Zaghloul, M.** Elwakkad *see* Elwakkad Zaghloul, M.
- Zaghloul, R.** *see* Raoof, M.A. 1-38573
- Zagirn'yak, M.V., Branspiz, Yu.A.** Calculation of the magnetic field in the winding zone of a pi-shaped electromagnet 1-46847
- Zago, G.** The  $^1\text{H}(t,n)^3\text{He}$  reaction as monoenergetic neutron source in the (10-20) MeV energy interval 1-52667
- Zago, G.** *see* Galeazzi, G. 1-43255
- Zagorodnii, S.V.** *see* Prakhovnik, A.V. 1-30662
- Zagorskii, Ya.T., Kozlyayeva, I.N., Samuillo, V.S.** Investigation of the instability of the source follower in the 2SS842 integrated circuit 1-39958
- Zagorskii, Ya.T., Kuznetsov, A.A.** Transistor amplifiers under micropower conditions 1-36119
- Zagurskii, V.Ya., Vedin, V.Yu.** Chronometric system for analyzing time domain signal parameters 1-52123
- Zagurskii, V.Ya.** *see* Gotlib, G.I. 1-27574
- Zagzebski, J.A.** *see* Banjavic, R.A. 1-30429
- Zahalak, G.I.** *see* Emerson, N.D. 1-43346
- Zaharov, A.N.** Reducing the material requirement of industrial products by means of up-to-date planning method 1-39341
- Zaheer, M.Y.** *see* Anis, M.K. 1-46610
- Zahn, M.** *see* Boggs, S.A. (editor) 1-26775
- Zahn, S.** *see* Bleicher, W. 1-48743
- Zahn, W.** Inductance of small window type tunnel junctions 1-33004
- Zahoor, A., Abou-Sayed, I.S.** Prediction of stable crack growth in type 304 stainless steel 1-39712
- Zahora, R.W.** *see* Cooperman, M. 1-42021
- Zahorin, S.A., Rothenberg, M.** Principal-components analysis for low-redundancy encoding of speech spectra 1-29134
- Zaichik, V.M.** On selecting relations for magnetic induction in asynchronous machine teeth and yoke 1-44083
- Zaichkin, D.I.** *see* Bodrov, V.V. 1-37314
- Zaidel', I.N.** *see* Ganichev, V.A. 1-38418
- Zaidel, S.** *see* Naster, R.J. 1-32889
- Zaikin, A.D., Zharkov, G.F.** On the theory of wide dirty SNS junction 1-28317
- Zaiko, A.I.** Dynamic error of measurement system with feedback 1-42497
- Zaikov, V.P.** *see* Venikov, N.I. 1-48456
- Zaim, M.E.** *see* Laporte, B. 1-49468
- Zaima, S.** *see* Adachi, H. 1-34476
- Zaitsev, A.A.** *see* Vdovin, V.I. 1-32690
- Zaitsev, N.I.** *see* Bolotov, V.E. 1-38357
- Zaitsev, V.V., Orlov, V.B., Yakimov, A.V.** Flicker fluctuations in the Gunn oscillator 1-50904
- Zaitseva, A.K.** *see* Bordina, M.M. 1-28580
- Zaitsevskii, I.L.** *see* Konakova, R.V. 1-27986
- Zajac, M.** *see* Szklarski, L. 1-53749
- Zajaczkowski, A.** Time/optimum control of a driving system with induction motor 1-53441
- Zajaczkowski, A.** Determination of the optimum control from the aspect of power losses in windings of a driving system with an induction motor 1-53442
- Zajaczkowski, A.** Problem of optimum control from the aspect of power losses in motor windings in a driving system with an induction motor 1-53443
- Zak, I.D.** *see* Duel', M.A. 1-35055
- Zak, V.L.** Avoidance of several pursuers by an inertial object 1-35723
- Zak, Yu.A., Yakho, V.N.** Sequential optimization algorithms in problems of discrete stochastic programming 1-35829
- Zakarevicius, R.A.** Chirp waveforms and signal processing 1-41628
- Zaken, M.** Ben *see* Ben Zaken, M.
- Zakgeim, A.L., Marakhonov, V.M., Pershina, L.P., Seisyan, R.P.** High-power  $\text{AlGa}_{1-x}\text{As}$  heteroepitaxial multimesa LEDs 1-51292
- Zakharchenya, B.P.** *see* Bugayev, A.A. 1-46766
- Zakharov, A.A.** *see* Basevich, Ya.S. 1-40198
- Zakharov, B.V.** Application of a standard two-stage transformer for checking purposes 1-30224
- Zakharov, B.V., Shatalov, A.N.** Errors of two-stage current transformers 1-32424
- Zakharov, E.E.** *see* Finkel'shtein, V.B. 1-31193
- Zakharov, L.F.** *see* Kitayev, V.E. 1-39914, 1-45276
- Zakhidov, E.A.** *see* Dianov, E.M. 1-46533
- Zakhidov, R.A.** Modelling in the design of mirror-type solar power system concentrators 1-49347
- Zakraysek, L.** Metallic finish systems for microelectronic components 1-44722
- Zaks, I.A.** *see* Gavrov, E.V. 1-31720
- Zaks, S.** *see* Perl, Y. 1-35806
- Zalatnai, T.** *see* Feher, G. 1-44663
- Zalay, A.D., Brashears, M.R., Jordan, A.J., Shrider, K.R., Vought, C.D.** Measurement of flow around V/STOL aircraft with an LDV system 1-33299
- Zaldivar, J.** Solo de *see* Solo de Zaldivar, J.
- Zaleski, K.A.** *see* Hussain, M.A. 1-39688
- Zaleskii, V.V.** *see* Rakhimov, V.F. 1-50359
- Zaletin, V.M., Nozhkina, I.N., Fomin, V.I., Shustov, N.V., Protasov, I.I.** Diiodide crystals for  $\gamma$ -ray detectors 1-38437
- Zaletin, V.M.** *see* Golennetskii, S.P. 1-30385
- Zalivako, V.Yu.** *see* Balamatov, N.N. 1-27576
- Zalkains, K.** 4K RAM expansion for the DREAM 6800 1-27385
- Zallo, A.** *see* Baldini-celio, R. 1-27355
- Zalm, P.** *see* Kivits, P. 1-33019
- Zaluski, L., Trykozko, R.** Electrical resistivity of Te-Ge-Pb glasses 1-27840
- Zama, T.** *see* Hasebe, N. 1-29004
- Zaman, A.J.M., Long, S.A., Gardner, C.G.** The impedance of a single-turn coil near a conducting half space 1-41190
- Zamani, M., Charalambous, S.** Registration probability of alphas in cellulose nitrate 1-30365
- Zamani, M., Savides, E., Charalambous, S.** The response of cellulose nitrate to gamma radiation 1-30364
- Zamarro, J.M.** *see* Martin, E. 1-48228
- Zamarro, J.M.** *see* Rivas, J. 1-40776
- Zambre, Y.** *see* Halbach, K. 1-48391
- Zambresky, L.F., Watanabe, T.** Equivalent circuit of a magnetic sensor coil and a simple filter for rejection of 60 Hz man-made noise 1-30544
- Zamin, J.** *see* Popovic, Z.D. 1-37030
- Zamir, S.** *see* Mertens, J.-F. 1-44821
- Zammit, A.C.A.** *see* De Martini, F. 1-33280
- Zamov, A.A.** *see* Azimov, R.K. 1-34261
- Zamperoni, P.** A note on the computation of the enclosed area for contour-coded binary objects 1-47248
- Zamyatina, L.Ya.** *see* Devyatkov, N.D. 1-45608
- Zanasco, J.P.** *see* Barisy, A. 1-42917
- Zander, H.** BASIC program calculates errors of a D/A converter 1-40173
- Zanella, G.** *see* Chrapak, G. 1-34491
- Zanetti, G.** From bi-polar to unipolar conduction 1-28036
- Zanevsky, Yu.Yu.** *see* Chernenko, S.P. 1-52725
- Zang, G.** Anatomy of a tape recorder 1-34150
- Zang, G.** Optimising the operation of a tape recorder by the master slave principle 1-38067
- Zani, P.E.** *see* Giuffrida, M. 1-53321
- Zanin, S.J.** *see* Ricker, M.W. 1-39408
- Zanio, K.** *see* Fraas, L.M. 1-40379
- Zanio, K.** *see* Krajenbrink, F. 1-39814
- Zankl, G., Strachan, J.D., Lewis, R., Pettus, W., Schmotzer, J.** Neutron flux measurements around the Princeton large Tokamak 1-48602
- Zanne, C.** *see* Louis, J.-P. 1-53484
- Zannoni, R.** *see* Galeazzi, G. 1-43255
- Zanotti, G.** Digital data networks: basic structure and field implementation 1-47435
- Zanten, A.T.** Van *see* Van Zanten, A.T.
- Zapashnik, R.** Electrical industry in Finland 1-49981
- Zapashnik, R., Mukosiej, J., Klimek, S.** Cooling of electric machines 1-53370
- Zapol'sky, V.N.** *see* Vasiliev, V.V. 1-48466
- Zapparoli, G.** *see* Tommasino, L. 1-30368, 1-30369
- Zarati, S.** *see* Boudriga, N. 1-39565
- Zaratskii, E.F.** *see* Strelyuk, M.I. 1-31287
- Zarechenskii, A.V., Kolechko, A.A., Muratov, V.A.** Increasing the melting efficiency of flux-cored strip electrodes 1-44534
- Zaret, B.L.** *see* Hoffer, P.B. 1-34614
- Zaretskii, A.V., Petrenko, V.F.** Investigation of effect of motion of dislocations on electrical conductivity of ZnSe 1-27812
- Zaretsky, D.F.** *see* Fedorov, M.V. 1-28610
- Zargaryan, I.V., Slutskii, L.S.** Selecting screens for support insulation structures 1-43751
- Zargaryan, I.V.** *see* Vereshchagin, I.P. 1-46842
- Zargaryants, M.N., Grudin, O.M.** Spectral dependence of the spatial phase variation of the modulated spontaneous emission from a diode 1-28604
- Zarina, N.A.** *see* Peshkov, I.B. 1-40260
- Zaritskaya, V.A.** *see* Bulgakov, Y.V. 1-50767
- Zaritskii, D.P.** *see* Pilipchuk, Yu.L. 1-48256
- Zarko, R.** AM stericophonic systems 1-29847
- Zarochentsev, G.G., Belyakov, V.M., Zvegintsev, A.V., Samarenko, V.N., Broukin, B.A., Astakhov, Yu.I.** Experience in eliminating low-frequency vibration from T-250/300-240 turbines 1-43917
- Zarone, G.** *see* Telesio, O. 1-33670, 1-41488
- Zaruba, N.I.** *see* Mikhalevich, G.A. 1-31334

- Zaruba, R.F. Tighter skirts for the TS-820 [radio receivers] 1-37855
- Zarucheysky, V.G. see Vasiliev, V.V. 1-48466
- Zastrogin, Yu.F. Wideband polarisation interferometers with frequency modulation 1-46810
- Zatulovskii, L.M. see Pel'ts, B.B. 1-31650
- Zaugg, P., Stys, Z.S. Air-storage power plants with special consideration of USA conditions 1-31051
- Zavadskii, V.M. Local data transmission network with memory switching 1-51946
- Zavaleev, V.P., Likharev, K.K. Performance limits of the Josephson junction microwave receivers 1-28340
- Zavaleev, V.P., Likharev, K.K. Properties of a Josephson contact under the influence of external pumping 1-33006
- Zavarin, A.N. Summation of measurement errors 1-52321
- Zavestovskaya, I.N. see Eliseev, P.G. 1-51472
- Zavidovique, B., Stamon, G. An automated process for electronics scheme analysis 1-27222
- Zavitz, J. see McCandless, W. 1-29349
- Zavodny, A.T., Mazzer, M.A. Simulation of cultural scenes for passive infrared sensors 1-48889
- Zavodov, V.P. see Alexeev, N.N. 1-48471
- Zavodov, Yu.K. see Kozlov, V.V. 1-48056
- Zav'yalkin, F.M., D'yachenko, V.I., Zubkov, Yu.G. Effect of the position of the barrier on the intensity of  $\gamma$  radiation behind the collimator of the detection unit 1-36012
- Zav'yalov, O.A. see Lopatko, A.P. 1-53835
- Zav'yalova, G.M. see Grilikhes, V.A. 1-31530
- Zawadzki, G. see Grudzien, P. 1-32230
- Zawadzki, I. see Torlaschi, E. 1-28882
- Zawalich, E. Transistorized drive system with DC externally excited motor 1-31520
- Zawawi, A.El. see El Zawawi, A.
- Zayarnyi, P.P. see Buryak, V.A. 1-39961
- Zaytsev, A.A. see Vanke, V.A. 1-32562
- Zaytsev, E.F. see Babenko, A.I. 1-47025
- Zazula, D. see Gyergyek, L. 1-29082
- Zazvorka, J. A fluorescent lamp of the Z-RZ 40 W type 1-31639
- Zbasnik, J.P., Cornish, D.N., Scanlan, R.M., Jewell, A.M., Leber, R.L., Rosdahl, A.R., Chaplin, M.R. Background field coils for the high field test facility 1-28373
- Zbinden, F. The beginnings of digital switching in Switzerland 1-29545
- Zboromirska-Wnukiewicz, B. Surface-active substances in electrical engineering 1-50339
- Zborzek, J.D. see Bernstein, K. 1-40705
- Zbrozek, J.D. Integrated MOSFET full-wave rectifier and regulator circuit 1-45270
- Zbrozek, J.D. Enhanced performance 'AND' ROM 1-45382
- Zbrozek, J.D. Paged read-only storage 1-45383
- Zdanowicz, L. see Zdanowicz, W. 1-45953
- Zdanowicz, W., Zdanowicz, L., Portal, J.C., Askenazy, S., Moaty, M.A. Shubnikov-de Haas effect in thin films of cadmium arsenide. II. Amorphous films 1-45953
- Zdanowski, M. see Kurjanowicz, D. 1-36681
- Zdesenko, Yu.G. Apparatus for the investigation of processes of double beta decay (review) 1-30324
- Zecca, A. see Grisenti, R. 1-48208
- Zecchin, G. see Ceschia, M. 1-32222, 1-32223
- Zech, E. see Daniel, H. 1-42899
- Zechall, M., Henn, M., Coza, G., Borst, W. Development aids for digital engine control systems 1-39194
- Zedan, F.M. see Cheng, T.C. 1-34908
- Zeddiam, A., Degauque, P., Demoulin, B., Gabilard, R. Transient fields radiated by a wire parallel to the air-ground interface 1-47034
- Zeegers, H.C.J., de Zeeuw, W.J. Use of single-phase alternating voltage control gear with ohmic, ohmic/inductive and ohmic/capacitive loads 1-39104
- Zeeman, E.C. see Smith, J.Q. 1-50120
- Zeephongsekul, P. Almost total information convergence of order  $\alpha$  for a sequence of point processes 1-41461
- Zeeuw, W.J. de see de Zeeuw, W.J.
- Zegarac, S., Napijalo, M.Lj., Cubric, D. The application of a new shape of magnet pole caps for the Faraday magnetometer 1-37285
- Zegrean, I. see Mustata, O. 1-49073
- Zeheb, E., Walach, E. Zero sets of multiparameter functions and stability of multidimensional systems 1-33611
- Zeheb, E., Walach, E. Necessary and sufficient conditions for absolute stability of linear n-ports 1-45768
- Zehntner, J. see Hoffmann, K. 1-27595
- Zehlein, H. see Dolensky, B. 1-46480
- Zehnpfennig, T., Rappaport, S., Wattson, R. Background suppression with variable modulation transfer function (MTF) imaging systems 1-42547
- Zehr, J.E. see Livnat, A. 1-30391
- Zehr, S.W., Yang, H.T., Coleman, J.J., Miller, D.L., Yang, J.J.J., Ruth, R.P., Harris, J.S., Jr. Monolithic multicolor solar conversion 1-35386
- Zehua Zhang see Zhang Zehua
- Zeichner, M.L. Multi-media information distribution for hospitals by using coaxial cable 1-43393
- Zeidenbergs, J. see Baran, A.S. 1-28111
- Zeidler, G. see Oesterich, U. 1-33076
- Zeidler, J.R. see Dentino, M.J. 1-37546, 1-41742
- Zeidler, J.R. see Rickard, J.T. 1-37502
- Zeilling, H. see Tischer, E. 1-35993
- Zein El-Din, H.M. see Dandeno, P.L. 1-35137, 1-38953
- Zeinally, A.H. see Lebedeva, N.N. 1-40742
- Zeinalov, S.A. Scattering mechanism of current carriers in  $\text{In}_{0.5}\text{Ga}_{0.5}\text{Sb}$  solid solution 1-40392
- Zeisse, C.R., Reedy, R.E. Dose thresholds for implantation of iron-doped indium phosphide 1-45928
- Zeittler, E. Electron microscopy and charged particle optics 1-51566
- Zeittler, H. The amalgamation property and pure rings 1-50180
- Zeitlin, B.A. see Scudiere, J.D. 1-28290
- Zeitlin, B.A. see Walker, M.S. 1-28287, 1-31669
- Zeitunyan, R.Kh. Magnetohydrodynamics of heavy fluids 1-28842
- Zektser, D.M., Zektser, M.D. Allowing for bulge permeances forming conical figures [relays] 1-40266
- Zektser, M.D. see Zektser, D.M. 1-40266
- Zelders, F. see Mawira, A. 1-46918
- Zel'dovich, A.G. see Baldin, A.M. 1-48569
- Zel'dovich, B.Ya. see Garibyan, O.V. 1-46589
- Zel'dovich, B.Ya. see Pilipetski, N.F. 1-41141
- Zel'dovich, B.Ya. see Tabiryan, N.V. 1-37211
- Zelenin, A.E. Electrometric amplifier with direct coupling based on p-n junction transistors 1-38227
- Zelenov, A.B., Piletskii, V.T., Shkol'nikov, V.I. Procedure for calculating transient processes in controlled-rectifier circuits 1-39920
- Zelenov, V.E. see Babin, V.V. 1-31332
- Zelenovic, D. see Stanivukovic, D. 1-44742
- Zelenskaya, O.V. see Tisrlin, Yu.A. 1-52712
- Zelenski, A. see Starczyk, K. 1-49273
- Zelez, J. see Baron, M. 1-35632
- Zeliger, A.N. Optimum timing synchronization when receiving optical signals 1-47694
- Zelinka, B. see Tomasta, P. 1-31980
- Zelinski, R., Class, F. A segmentation procedure for connected word recognition based on estimation principles 1-41588
- Zelinskii, Yu.G. see Burtovoi, D.P. 1-38284
- Zelinskiy, A.M., Markovich, A.Ya., Pisker, M.N. Optimization of the strategy for servicing calls in switching systems, taking into consideration the vulnerability of the equipment to failures 1-37829
- Zeljeznov, M., Popovic, M., Sinigoj, A. Inductance matrix of multiconductor systems 1-30681
- Zeljeznov, M., Popovic, M., Sinigoj, A. The secondary parameters of multiconductor systems 1-36349
- Zeljeznov, M., Popovic, M., Sinigoj, A. The wave treatment of three-phase systems 1-49042
- Zeller, E.R. see Beyers, J.W. 1-32310
- Zeller, M.V., Phillips, B.F. Combined techniques yield rapid analysis of surface layers 1-45133
- Zellini, R. see Mangold, H. 1-33575
- Zelonokhat, N.I. Creating flexible inter-system ties for uniting power systems 1-30611
- Zelter, B. Power and desalination at Umm al Nar 1-35066
- Zelyakh, E.V. Replacement circuits and matrices of a twice symmetrical  $2 \times 2$ -pole for different configurations of its connection 1-32131
- Zeman, J., Lindgren, A.G. Fast digital filters with low round-off noise 1-45529
- Zeman, J., Moschytz, G.S. A systematic approach to the design and speed comparison of signal-processor architectures for digital filtering 1-45552
- Zemerman, A.H. Nonuniform semi-infinite grounded grids 1-45234
- Zemel, A., Eger, D., Shtrikman, H., Tamari, N. Electrical properties of indium-doped LPE layers of  $\text{Pb}_{1-x}\text{Sn}_x\text{Te}$  1-36495
- Zemel, A. see Eger, D. 1-27852
- Zemel, J.N. Semiconductor surface device physics 1-50832
- Zemel, J.N., Keramati, B., Spivak, C.W., d'Amico, A. Non-FET chemical sensors 1-52433
- Zemskov, B.G. see Vartanov, V.S. 1-52746
- Zemskov, K.I., Kazaryan, M.A., Petrash, G.G., Smorchkov, V.N., Timofeev, Yu.P., Fridman, S.A. Laser projection microscope with a barium vapor amplifier and luminescent screens for infrared image visualization 1-38146
- Zemskov, Yu.P. Digital instrument for testing the contact performance of the synchrocontacts of cameras 1-38102
- Zencka, A.E. see Nolle, F.M. 1-48727
- Zendle, H.M. A software management doctrine for the 80s 1-49932
- Zengpu Li see Li Zengpu
- Zenin, E.I., Alekseev, A.G., Kovyazin, Yu.A., Patramanskii, B.V., Khalileev, P.A. Broadband induction-type flaw detectors 1-36020
- Zeniya, K. see Furukawa, M. 1-42403
- Zenker, E. see Pfahl, R. 1-34323
- Zenker, W. Design criteria for the steam turbine sets for a heating station of 110 MW capacity 1-31007
- Zenkevich, Yu.V. see Vasilenko, G.V. 1-49275
- Zeppieri, D.J., Nee, H.H., Lintott, D., Clement, W.H., King, R.T. Cold welded aluminum joints in electrolytic capacitors 1-45723
- Zerbib, F.B.M., Segall, A. A distributed shortest path protocol 1-37677
- Zerdy, G.A. see Molino, J.A. 1-34904, 1-43730
- Zerlitsin, A.G. see Didenko, A.N. 1-46664
- Zernike, F. Nonlinear optical devices 1-41148
- Zernike, F. see Monchalin, J.-P. 1-28758
- Zernin, Yu.D. see Vasiliev, V.V. 1-48466
- Zervos, C., Athanasios, I. Detectability of logical faults in sequential logic circuits 1-36171
- Zerwekh, P.S., Claus, R.O. Optical detection of pulsed surface particle displacements 1-43470
- Zeskind, R.M. see Theriault, K.B. 1-41662
- Zetta, L. see Guazzoni, P. 1-48643
- Zetterberg, B. The conference TV service 1-47827
- Zetterberg, L.H. see Gunnar Ahlbom, L. 1-30462
- Zetterberg, L.H. see Isaksson, A. 1-30460
- Zetterlund, B., Steckl, A.J. Low temperature recombination lifetime in Si metal oxide semiconductor field effect transistors 1-50922
- Zetti, A. see Man Kam Kwong 1-50092
- Zettl, H. A professional colour TV video camera 1-47799
- Zevotek, R.L. see Strobe, D.H. 1-32501
- Zewail, A.H. see Batchelder, J.S. 1-35382
- Zhabotinskii, M.E., Kuzyakov, B.A. Discharge characteristics of a waveguide  $\text{CO}_2$  laser enclosed in a tube made of a metal with a highly reflecting coating 1-37084
- Zhabotinskii, M.E. see Grigor'yants, V.V. 1-28656
- Zhabotinskiy, M.Ye. see Grigor'yants, V.V. 1-33057
- Zhai Hong-ru see Han Shi-ying 1-40825
- Zhang, D.Z. see Nikolaus, B. 1-46690
- Zhang, F.L. see Lessard, R.A. 1-30553
- Zhang, H.Y. see Shieh, L.S. 1-36039
- Zhang, M.G. A study of statistical law of depth for line-of-sight microwave fading 1-46942
- Zhang, R.R., Qiu, Y.H., Zhou, T.R. Expansion of Gaussian models and analysis about the beam wave guide 1-41287
- Zhang, Y.W. see Zhuang, S.L. 1-28789
- Zhang, Z.W. see Li, H.J. 1-28877
- Zhang Bei see Bei Zhang
- Zhang De see Shui Yong-an 1-36788
- Zhang Dian-lin see Kong Guang-lin 1-27868, 1-50833
- Zhang En-Qiu see En-Qiu Zhang
- Zhang Fang-qing see Chen Guang-hua 1-32105
- Zhang Fangqing see Chen Guanghua 1-27837
- Zhang Guan-zhong see Zhao Wen-hua 1-39234
- Zhang Guangyin Two different kinds of dynamic stable resonator and their general criteria 1-37178
- Zhang Guifen Investigation of convergent waves in an unstable cavity 1-41122
- Zhang Jin-long see Li Chuan-yi 1-40872
- Zhang Jin-xiang see Shao Li-jin 1-33193
- Zhang Kaixun, Wang Xiang Experimental study of the forward characteristics of a p-n junction under low temperature 1-40447
- Zhang Min, Chen Ye-xin, Yang Hua-li, Luo Xing-zhen A high speed ECL  $256 \times 1$  bit RAM 1-28087
- Zhang Ri-rong, Gao Xiao-Jie Surface wave launched and scattered on the discontinued impedance surface and the radiation theory of the surface wave antenna 1-51670
- Zhang Shi-wu see Jin Sheng-jing 1-34078
- Zhang Shunxing see Ma Xiaoshan 1-32053
- Zhang Shunyi see Wang Yumin 1-41119
- Zhang Ting, Fan Liang-zao The clarification of two questions in dynamic measurement and calibration of pressure transducers 1-34242
- Zhang Wenzhen see Ma Xiaoshan 1-32053
- Zhang Yuying see Ni Guanjun 1-33088
- Zhang Zehua Assessment of epitaxial silicon film on sapphire (or spinel) by reflection spectrum 1-32606
- Zhang Zhi-zhong see Wei Ce-jun 1-30248
- Zhang-shou Gao see Gao Zhang-shou
- Zhankun Yang see Yang Zhankun
- Zhao, S. see Tleimat, B.W. 1-31069
- Zhao Bolin, Yin Hong, Li Huixin, Du Jinlin, Hu Chengda, Zhu Yuanjing The principle and tests of microwave remote sensing atmospheric sounding 1-38590
- Zhao Peiwen see Niu Defang 1-38172
- Zhao Shu-luan see Sun An-na 1-27783
- Zhao Wen-hua, Zhang Guang-zhong, Zhou Li-xing Influence of the open-circuit voltage of source on plasma arc characteristic 1-39234
- Zhao Yan-sheng see Liu Yi-xian 1-41064
- Zhao-lin Li see Li Zhao-lin
- Zhao-rong Liu see Liu Zhao-rong
- Zhaoqiang Fang see Fang Zhaoqiang

- Zharin, A.L. Securing phase stability in an electrometer having a dynamic capacitor 1-52507
- Zharinov, A.V. see Glebov, V.V. 1-33316
- Zharkov, B.A. see Belyaev, A.V. 1-49315
- Zharkov, G.F. see Zaiika, A.D. 1-28317
- Zharkov, Yu.N. see Sushko, A.F. 1-32366
- Zharkova, G.M. The application of liquid crystals in experimental aerodynamics 1-40971
- Zharomskis, R.B. see Dolotov, Yu.S. 1-43430
- Zharova, S.S. A method of designing a lowpass filter with monotonic transient characteristics 1-50535
- Zhdan, A.G. see Prihod'ko, V.G. 1-32686
- Zhdanov, A.A. see Bogachev, B.I. 1-41154
- Zhdanov, I.M., Medko, B.V., Lysak, V.V., Mel'nikov, R.V. Calculation of the parameters of pulsed-arc TIG welding 1-39243
- Zhdanov, K.F., Kirichenko, K.I., Sirchenko, V.N., Silaev, V.I. Modernised system of automatic control for screening machines (SAUK-M) 1-42605
- Zhebel', B.G. see Dzhakoniya, V.E. 1-52267
- Zhegalin, N.G. see Shadrin, M.P. 1-50441
- Zhelbakov, N.N. Transducer of effective AC into DC voltages 1-30090
- Zheleznyakov, A.T., Malin, V.A. Calculation of DC electromagnets by nomograms 1-46846
- Zhelezovskiy, B.Ye., Kozlyev, A.P. An engineering theory of an O-type TWT based on polynomial models 1-27761
- Zhelinov, V.N. The electrical characteristics of a synchronous filter 1-36249
- Zhel'tov, K.A., Malygin, A.V., Rozov, V.I., Shalimov, V.F. Charging device for small-scale high-current electron accelerator 1-39056
- Zheludev, I.S., Romanenko, A.G. Direct access to INIS 1-49230
- Zhemaytis, T.Z. Response of a matched filter to a radio frequency pulse with hyperbolic frequency modulation and a rectangular amplitude spectrum 1-36637
- Zhemerov, G.G., Kolvalenko, I.T. Calculation of direct-coupled frequency-changer thyristors 1-44187
- Zhemerov, G.G., Kolyandr, I.L. Primary currents and energy relationships of direct coupled frequency converter 1-35257
- Zhen-he Zhu see Zhu Zhen-he
- Zhen-hui Wu see Wu Zhen-hui
- Zhenaitis, T.Z., Sruogyus, Yu.-L.S. Spectrum of current in an inertialess circuit with power-function nonlinearity acted upon by a multitone voltage 1-36061
- Zheng, J.Q., Falco, C.M., Ketterson, J.B., Schuller, I.K. Magnetization of compositionally modulated CuNi films 1-32959
- Zheng Baozhen see Gong Jishu 1-32634
- Zheng Cheng-en see Lin Shao-chi 1-28616
- Zheng Duang, Yang Yu-fen A 4 mm IMPATT diode oscillator 1-27332
- Zheng Pao-zheng see Guo Gi-shou 1-50793
- Zheng Si-ding see Wu Chang-zheng 1-33192, 1-46675
- Zheng Tao-hong see Jiang Min-hua 1-39744
- Zheng Ying-Ping Some basic algebraic relations in the order-reduction of large-scale systems by aggregation 1-50077
- Zheng You-dou, Wu Feng-mei, Su Zong-he An investigation on the annealing properties of SiO<sub>2</sub>-Si interface in RF plasma 1-27869
- Zheng Yuxia, Xu Zhiming, Fan Dianyuan A pulsed and quasi-CW actively mode-locked Nd:phosphate glass oscillator 1-51418
- Zheng-feng Huang see Huang Zheng-feng
- Zheng-Meng Li see Li Zheng-Meng
- Zhengang Huang see Huang Zhengang
- Zhenhui Wu see Wu Zhenhui
- Zhenqi Huang see Huang Zhenqi
- Zhensheng Zhu see Zhu Zhensheng
- Zhenxing Gui see Gui Zhenxing
- Zhereb, A.A. see Sin'kov, V.M. 1-30723
- Zherebtsov, A.L. A system for switching television programs at junction radio relay stations 1-47803
- Zherebtsov, V.A., Stolyarov, M.D. Calculation of means of protection from electric field ecological effects 1-39352
- Zherebtsov, V.A., Stolyarov, M.D. Calculating means of protection from the ecological influence of an electric field 1-48753
- Zherekhov, V.G. see Aleksandrov, B.M. 1-43257
- Zhezhenenko, I.V., Vagin, G.Ya. Voltage oscillations in the mains supplying welding machines and apparatus 1-39241
- Zhi Ting-ting, Tang Gui-sheng, Qiu Pei-xia Investigation on single picosecond pulses 1-46775
- Zhi-xiang Bao see Bao Zhi-xiang
- Zhi-ying Wang see Wang Zhi-ying
- Zhi-zhong Zhang see Zhang Zhi-zhong
- Zhiburtovich, N.Yu. The possibility of using physically realizable adaptive compensators to detect CW signals buried in interference 1-47221
- Zhidkova, E.V. see Bordina, N.I. 1-28580
- Zhidovich, O.V., Gavrilov, E.I., Volkov, E.P. The effect that adding air to the flue gases has on the concentration of harmful gaseous effluent of a steam power station near to the ground 1-53272
- Zhigal'skii, G.P., Tyurin, Yu.A. High-sensitivity low-frequency spectrum analyzer 1-30042
- Zhigal'skiy, G.P., Bakshi, I.S. Excess noise in thin aluminum films 1-40320
- Zhilin, A.N. see Alekseev, V.N. 1-28764, 1-51428
- Zhilin, N.S. Practical synthesis of complex signals using phase-locking systems 1-33619
- Zhilin, N.S., Tishchenko, S.P. Stability and phase-storing properties of multichannel continuous-pulse PhLAFS systems 1-41450
- Zhiilin, V.A. Estimates of the continuity and accuracy of approximation of priority queueing systems 1-44805
- Zhilko, E.I. see Gromov, V.S. 1-31709
- Zhilyaev, Yu.V., Rossin, V.V., Sidorov, V.G. Experimental observation of a reradiation effect 1-46656
- Zhiming Xu see Xu Zhiming
- Zhingarev, M.Z. see Gorelenok, A.T. 1-28574
- Zhitar', V.F. see Donu, V.S. 1-42617
- Zhitkov, V.V. Correlation functions of multiphase signals and quadratic forms of several variables 1-41475
- Zhitomirskii, S.V. see Tsarenko, V.I. 1-44547
- Zhirovistsev, E.S. see Golub, M.A. 1-41168
- Zhiying Wang see Wang Zhiying
- Zhmurko, V.A. see Timoshenko, G.M. 1-49274
- Zhodzishskiy, M.I. Digital phase synchronization systems for processing of radio signals 1-33641
- Zhokhov, V.Z., Stepurenko, A.A., Pustovoi, V.I., Mazur, M.M. Some features of acoustoelectronic interaction in p-Te in magnetic field 1-45910
- Zholnerovich, O.A., Khait, A.D. MTD-3LP magnetic television inspection unit 1-36001
- Zhong, G.Z., Bryant, F.J. The lifetimes of excited states and spectral intensities of DCEL in ZnS:Cu:Nd:Cl thin films 1-37021
- Zhong Ji-sheng see Ji-sheng Zhong
- Zhong Shi-Cai see Cui-Ru-Yu 1-42961
- Zhong Wang Zue see Wang Zue Zhong
- Zhong-ju Xia see Xia Zhong-ju
- Zhong-lin Gong see Gong Zhong-lin
- Zhonglan Wu see Wu Zhonglan
- Zhongyu Chen see Chen Zhongyu
- Zhorzh, V.V. see Gavrov, E.V. 1-31720
- Zhou, T.R. see Zhang, R.R. 1-41287
- Zhou, Y.F. Optimal parallel triangulation of a sparse matrix—a graphical approach 1-50370
- Zhou Bojun see Lin Lanying 1-32635
- Zhou Ciao-Guang see Cui-Ru-Yu 1-42961
- Zhou Guo-Sheng see Guo-Sheng Zhou
- Zhou Jie see Wei Ce-jun 1-30248
- Zhou Le-zhu, Xu Cheng-he, Gong Zhong-lin General theory of open resonator with rotational symmetric waveguides 1-28607
- Zhou Li-xing see Zhao Wen-hua 1-39234
- Zhou Lifang see Niu Defang 1-38172
- Zhou Liu Ji see Liu Ji Zhou
- Zhou Pei-zehn see Dai Shou-yu 1-51448
- Zhou Shu-Tong see Shu-Tong Zhou
- Zhou Wen-Sheng see Wen-Sheng Zhou
- Zhou Xuan see Xie Fu-zeng 1-30035
- Zhou Ying-hua, Xia Zhong-ju, Wang Yong-da Difference-frequency generation in potassium vapor by two-photon resonant four-wave mixing 1-46784
- Zhovnir, C.I., Maronchuk, I.E. Mass transfer processes in the production of epitaxial structures in A<sub>III</sub>B<sub>V</sub> compounds from the liquid phase 1-27107
- Zhovtanetskii, O.I. see Karinskii, S.S. 1-37235
- Zhow Zu-Yao see Deutch, B.I. 1-27932
- Zhu Chuang-Qi, Shu Ren-Ben Alignment network used for connecting a prime number of memory blocks with a power of 2 of processing elements 1-47406
- Zhu Enjun Varied cross-section FET (VCFET) 1-32814
- Zhu Guo-liang see Deng Xian-can 1-45689
- Zhu Jing-han see Xiao Wen-tao 1-46428
- Zhu Ru-zeng Linear stability theory of transverse motion of charged particle in a strong-focusing accelerator 1-38353
- Zhu Song-lai see Yin Zong-min 1-33066
- Zhu Suzhen see Lin Lanying 1-32635
- Zhu Xi-kai see Gao Ji-huan 1-32549
- Zhu Xiaozhang Exciting hydrogenerators with third harmonics 1-49400
- Zhu Yin Kang see Wang Zue Zhong 1-41137
- Zhu Yuanjing see Zhao Bolin 1-38590
- Zhu Zhen-he, Huo Chong-ru Improvements on the fluctuation model of passively mode-locked lasers 1-28683
- Zhu Zhensheng, Ying Zuxun Power losses of fly-back transformers [in TV receivers] 1-42398
- Zhuang, S.L., Ruterbusch, P.H., Zhang, Y.W., Yu, F.T.S. Resolution and color blur of the one-step rainbow hologram 1-28789
- Zhuang, S.L. see Ruterbusch, P.H. 1-41162
- Zhuang Wan-ru see Wang Chi-ming 1-33226
- Zhuang Wan-ru see Wang Qi-ming 1-51449
- Zhuang Wei-hua see Guo Gi-shou 1-50793
- Zhuang Weihua see Gong Jishu 1-32634
- Zhuang Wenjun, Li Qunsheng, Shen Yongzhou Replacement of configurations in CAD mask making of LSI 1-32842
- Zhuchenko, S.V. Method of organization of an equipment configuration for the recording of acoustic-emission signals, and a computer data-processing procedure 1-38625
- Zhuikov, V.Ya., Koroteev, I.E. Calculating the integral characteristics of the currents and voltages in convertors with periodically-varying structures 1-35246
- Zhuk, I.N. see Bovkun, V.P. 1-51601
- Zhuk, I.V., Malykhin, A.P., Roginets, L.P., Yaro-shevich, O.I. The angle and energy-dependent efficiency of detection of  $\alpha$ -particles of the film RF-3 by a track detector 1-30370
- Zhuk, V.L. see Chaika, G.E. 1-32852
- Zhukov, A.V., Makhov, V.N. Comparator with automatic offset correction 1-50588
- Zhukov, S.G. Synthesis of recursive digital filters taking the finite word length into account 1-40115
- Zhukov, S.V. see Bikmurzin, G.Sh. 1-27359
- Zhukov, V.K. see Dobner, B.A. 1-38185
- Zhukova, G.A. Some ways of improving ferroprobe performance 1-45152
- Zhukovskii, P.G. see Lebedev, V.K. 1-49837
- Zhukovskii, P.G. see Troitskii, V.A. 1-31723
- Zhukovskii, P.E., Kleshchev, V.V., Terekhov, E.P. Induction heating in press lines for nonferrous metals 1-31714
- Zhura, S.K., Pochechun, A.A. Utilization of devices with immersed burners for evaporation of saline water of thermal power plants 1-35049
- Zhuravin, L.G., Marinenko, M.A., Semyenov, E.I. Improvement in the noise immunity of adaptive telemetering systems on the basis of zero extrapolation and error correction 1-41733
- Zhuravlev, E.N., Ivanov, L.N., Todua, P.A. Application of the Keldysh-Franz effect in high-tension measurement techniques 1-30217
- Zhuravleva, N.V. see Belyaev, B.F. 1-36444
- Zhuravleva, T.E. see Brynski, E.A. 1-35132
- Zhurkin, V.V., Krupnov, V.E., Lisovskii, A.V., Lyulevich, V.I., Matveev, V.A., Polikarpov, V.M., Tolkahev, D.A., Fedotov, O.P. Structure and basic working regimes of a system for processing film information (SOFI) 1-52721
- Zhurkin, V.V. see Buklei, A.E. 1-30325
- Zi-Hua Wang see Hung-Chia Huang 1-36907
- Zi-Jiang Wang see Wang Zi-Jiang
- Ziaran, J., Urban, L. Consequences of combined stresses on individual sections of electric overhead transmission lines 1-43720
- Ziarian, J. see Fecko, S. 1-30764
- Zibarev, A.Yu. see Veselovskii, O.O. 1-35192
- Zibuschka, F. see Tesarek, H. 1-44467
- Zich, R. see Daniele, V. 1-51218, 1-51751
- Zich, R. see Naldi, C. 1-51677
- Zichanowicz, K. see Grosskopf, R. 1-31342
- Zichichi, A. see Basile, M. 1-43250, 1-43251
- Zieczina, F.J. Data reordering for read backward operations 1-40041
- Ziegenhagen, J.A. see Hart, D.L. 1-53502
- Ziegler, A. see Ganzer, E. 1-39919
- Ziegler, E. see Siegel, W. 1-32640
- Ziegler, G. Multi-system distance protection for EHV systems 1-38816
- Ziegler, G., Theis, D. A new degradation phenomenon in blue light emitting silicon carbide diodes 1-33158
- Ziegler, J. see Fallen, M. 1-35105
- Ziegler, J.F. The effect of concrete shielding on cosmic ray induced soft fails in electronic systems [chip failure] 1-40631
- Ziegler, J.F., Lanford, W.A. The effect of sea level cosmic rays on electronic devices 1-50760
- Ziegler, K. see Becchetti, F. 1-38330, 1-48388
- Ziegler, K. see Busse, W. 1-43134, 1-43137
- Ziegler, N.F., Richardson, E.G., Mann, J.E., Juras, R.C., Jones, C.M., Biggerstaff, J.A., Benjamin, J.A. Status report on the Oak Ridge 25 MV tandem accelerator 1-42821
- Ziegler, N.F. see Lord, R.S. 1-42893
- Ziegler, R. The cockpit of the future 1-52869
- Ziegler, V. see Bertel, E. 1-43880
- Ziegs, W., Riedel, W., Preier, H. Characterization of gallium arsenide phosphide light-emitting diodes by photoluminescence 1-28601
- Zieher, K.W., Hornung, A. Investigation of a modified helix loaded superconducting resonator for acceleration of heavy ions 1-43120
- Ziel, A. van der see van der Ziel, A.
- Ziel, A. van der see Van der Ziel, A.
- Ziel, A. van der see Van Der Ziel, J.P.
- Ziel, J.P. van der see van der Ziel, J.P.
- Zielichowski, M. Erosion of stator magnetic circuits in turbogenerator during earth faults 1-35127
- Zielinski, A., Litwinowicz, A. The use of sodium sensitive electrodes to current control of ion exchanger operation in water demineralization processes 1-38885
- Zielinski, A. see Adaszewski, W. 1-47306
- Zielinski, Eu.T. see Feng, M. 1-35943
- Zielinski, J.S. see Kacejko, P. 1-49041
- Zielinski, T. see Feng, M. 1-50875
- Zielkowski, K. see Kraszewski, A. 1-48262
- Zielonko, R. Computer measuring systems for automatic quality control and diagnostics in electronic device industry 1-26950

- Zielonko, R. *see* Kalicka, R. 1-32205
- Ziemann, M. *see* Dibelius, G. 1-35063
- Ziemer, R.E. *see* Stigall, P.D. 1-37481
- Zienert, J., Guttner, K., Munzenberg, G. Monte Carlo simulation of the interaction of energetic ions passing through gas filled systems 1-52636
- Zieniutycz, W. Method of analysis of slot line on ferrite-dielectric layered substrate 1-28963
- Zientalski, M., Szpanski, W., Boguta, D., Chludzinska, A. Some problems in the electronic switching centre analysis 1-29239
- Zientalski, M. *see* Badach, A. 1-37822
- Zieren, V. *see* Noorlag, D.J.W. 1-31773
- Zierl, R. *see* Daniel, H. 1-42899
- Zierl, R. *see* Wagner, W. 1-43127
- Zieschang, P., Rayburn, S. ATE fixturing techniques for hybrid board test 1-52343
- Zietek, B., Koepke, Cz. Temporal and spatial evolution of the gain in dye laser amplifier 1-41062
- Zietek, J. *see* Wolinski, W. 1-50637
- Zignani, F. *see* Soncini, G. 1-53644
- Zijlstra, R.J.J. *see* Park, H.S. 1-28024
- Zijlstra, R.J.J. *see* van der Ziel, A. 1-50946
- Zijlstra, R.J.J. *see* Westera, W. 1-40410
- Zil'berlat, M.A., Lysenko, V.S., Nazarov, V.I., Pomazanovskii, O.A., Promyshlyanskii, M.A., Kharchenko, V.A. A controlled fixed reactive power compensator for steel smelting arc furnaces 1-35521
- Zil'berman, S.Z. *see* Lifanov, V.A. 1-44114
- Zilinskas, A. On the multimodal minimization algorithm constructed axiomatically 1-44969
- Zilinskas, A.G. On statistical models of complex multimodal functions and their application to the design of optimization algorithms 1-27048
- Zilko, J.L., Anthony, P.J. Conductivity profiling of GaAs/(AlGa)As multilayer structures 1-38267
- Zilko, J.L. *see* Anthony, P.J. 1-32752, 1-37158
- Zilko, J.L. *see* Swaminathan, V. 1-45932
- Zima, V., Dokoupil, S., Kuchar, A. The effective, clear and precise calculation of damping, phase, and group velocity of a chain of equal LC links 1-50545
- Zimanyi, I. *see* Adam, A. 1-48839
- Zimmer, D., Jr. *see* Estes, M.F. 1-38167
- Zimmer, G., Fiedler, H., Hoefflinger, B., Neubert, E., Vogt, H. Performance of a scaled Si gate n-well CMOS technology 1-51017
- Zimmer, G., Hoefflinger, B., Neubert, E., Vogt, H. 2  $\mu$ m silicon-gate CMOS technology with bipolar transistors and capacitors for analogue-digital VLSI 1-40715
- Zimmer, G. *see* Habekotte, E. 1-39900, 1-46320
- Zimmer, G. *see* Hoefflinger, B. 1-36695
- Zimmer, G. *see* Hoefflinger, B. 1-50927
- Zimmer, H. How to cut fuel costs by using a computer to distribute boiler loads for peak efficiency 1-35040
- Zimmer, J. *see* Vogel, J.M. 1-31696
- Zimmer, M. Availability of complex electronic system as a function of reliability and the ability of maintenance 1-35667
- Zimmer, M. Effectiveness of telecommunication systems defined as a unique measure of quality from user's point of view 1-37680
- Zimmerl, A. Energy saving in vacuum distillation processes with the aid of ELMO F vacuum pumps 1-53842
- Zimmerman, E.K. Going public with electronic message systems: incentives and barriers. II 1-51926
- Zimmerman, L.L. *see* Hoffman, H.S., Jr. 1-30199
- Zimmerman, M.B. The marriage of automation and communications 1-33730
- Zimmerman, R.E., Holman, B.L., Fahey, F.H., Lanza, R.C., Cheng, C., Treves, S. Cardiac imaging with a high pressure low dead time multiwire proportional chamber 1-34574
- Zimmerman, R.M. *see* Alers, G.A. 1-38630
- Zimmerman, S.M. *see* Kaplan, L.H. 1-27892
- Zimmermann, H. Decentralized instrumentation and control system with bus-transmission in power plants 1-30851
- Zimmermann, H., Banino, J.-S., Caristan, A., Guillemont, M., Morisset, G. Basic concepts for the support of distributed systems: the CHORUS approach 1-37758
- Zimmermann, K. Convexity in semimodules 1-44906
- Zimmermann, L. The influence of electrical subdivision on the performance of electrical eliminators [electrostatic precipitation] 1-33320
- Zimmermann, P. Frequency converters for speed control of standard 3-phase squirrel cage induction motors 1-31235
- Zimmermann, R. Thermal properties of transistors 1-32806
- Zimmermann, R. Thermal properties of transistors. II 1-32807
- Zimmermann, R. Videotext and other new media for the 1980s 1-47370
- Zimmermann, R. *see* Egorov, V.D. 1-46624
- Zimmermann, Th., Rebora, B., Rodriguez, C. Aircraft impact on reinforced concrete shells—influence of material nonlinearities on equipment response spectra 1-45014
- Zimmermann, W.S. *see* Burgel, K. 1-30734
- Zimmermann, A. Requirements for radiotelephones 1-51919
- Zin, W.A., Oswaldo-Cruz, E. AVG—a signal averager for biological data 1-43338
- Zinger, Z., Braunstein, A. Dynamic matching of a solar-electrical (photovoltaic) system. An estimation of the minimum requirements on the matching system 1-31452
- Zinger, Z., Braunstein, A. Optimum operation of a combined system of a solar cell array and a DC motor 1-31453
- Zinger, Z., Braunstein, A. Dynamic matching of a solar-electrical (photovoltaic) system: an estimation of the minimum requirements on the matching system 1-35399
- Zinger, Z., Braunstein, A. Optimum operation of a combined system of a solar cell array and a DC motor 1-35400
- Zinger, Z. *see* Braunstein, A. 1-31451, 1-35398
- Zini, Q. *see* Buldini, P.L. 1-40515
- Zinicheva, M.B. *see* Naumov, A.P. 1-46894
- Zinin, E.F. *see* Dulitskaya, G.M. 1-32090
- Zinin, M.M., Kol'tsov, A.A. Analysing convergence of process of alternate balancing locally of null systems with measurement object in form of three-component two-terminal network 1-42496
- Zinin, Yu.M. *see* Roizman, P.S. 1-39052
- Zinkiewicz, L.M., Roth, T.J., Skromme, B.J., Stillman, G.E. The vapour phase growth of InP and In<sub>0.5</sub>Ga<sub>0.5</sub>As by the hydride (In-Ga-AsH<sub>3</sub>-PH<sub>3</sub>-HCl-H<sub>2</sub>) technique 1-50333
- Zinn, K.L. CONFER connection [university electronic bulletin board] 1-51963
- Zinner, A. *see* Gillette, P.C. 1-52796
- Zinov'ev, E.V., Strekalov, A.A., Rogova, O.E. Estimate for the message transmission delay time in network dialog systems 1-33785
- Zinov'ev, G.S. Study of 'local' stability of broad-pulse systems 1-49585
- Zinov'ev, M.V. *see* Markus, A.M. 1-52619
- Zinov'ev, V.A. *see* Dumer, I.I. 1-29099
- Zinoviev, L.P. *see* Baldin, A.M. 1-42889, 1-48569
- Zinovkin, V.V. *see* Kalaida, G.I. 1-39031
- Zintchenko, G.N. *see* Nisbet, J.S. 1-28917
- Zinth, W. *see* Kolmeder, C. 1-33208
- Zintl, G. A CODASYL CAD data base system [for LSI and PCs] 1-46252
- Ziogas, P.D. The delta modulation technique in static PWM inverters 1-44208
- Ziomek, J.F. *see* Jones, T.O. 1-31620
- Ziomek, L.J. *see* Sibul, L.H. 1-41774
- Zion Levy, B. *see* Ben-Zvi, I. 1-48428
- Zipfel, C.L. *see* Chin, A.K. 1-33163, 1-51290
- Zipfel, C.L. *see* Keramidis, V.G. 1-28591
- Zipperian, T.E., Dawson, L.R., Chaffin, R.J. A gallium phosphide high-temperature bipolar junction transistor 1-36607
- Zirka, S.Ye. *see* Vdovin, S.S. 1-40004
- Zissermann, D., Ferretti, A.W., Rogers, W.J., Smith, L.R., Strand, E.M., Rackley, C.E. Analysis of 35-lead precordial electrocardiographic maps 1-48732
- Zissos, D. Designing with microprocessors. VII. Wait/go systems 1-27448
- Zissu, S. *see* Moraru, A. 1-37262, 1-38791
- Zissu, S. *see* Timotin, A. 1-31187
- Zitelli, L.T. *see* Shaw, H.J. 1-36805
- Zittel, P.F. *see* Randall, C.M. 1-48797
- Zitti, E. *see* Di Zitti, E.
- Zizek, A. How to increase the system reliability 1-26964
- Zizek, A. Mathematical model of common reliability 1-39436
- Zizic, O., Napijalo, M.Lj. The extraordinary Hall effect in the paraprope region in some spinel type ferrites 1-36488
- Zlatev, M., Stancheva, R., Papazov, S., Brandy, R. Functional characteristics modeling of linear machines 1-49494
- Zlatev, M.P., Tasheva, B.E. Implemented possibilities of the method with functional linearization 1-32018
- Zlobec, S. Regions of stability in perturbed convex programming 1-44970
- Zlobin, Yu.I. Multipurpose resonant devices [current limiters] 1-34943
- Zlotin, Y. *see* Schroeder, J.E. 1-34917
- Zmarzłowski, E. Battery-supplied device for testing electronic circuits and cable communication systems 1-52428
- Zmievskaya, G.I., Pyarnpu, A.A., Shematovich, V.I. Application of Monte Carlo methods to the investigation of the states of gas mixtures with internal degrees of freedom 1-44824
- Znamenskii, V.B. *see* Borisov, M.F. 1-28649
- Znamenskiy, A.E., Muratov, E.S., Gulin, V.N. Features of the construction of narrowband filters for acoustic surface waves 1-40772
- Znotins, T.A., Reid, J., Garside, B.K., Ballik, E.A. 4.3- $\mu$  CO<sub>2</sub> laser 1-46697
- Znotins, T.A., Reid, J., Garside, B.K., Ballik, E.A. 4.3- $\mu$ m cascade CO<sub>2</sub> laser 1-51330
- Zobel, G. Devices to check and repair span ropes and to maintain antennae under operation conditions—a precondition to improve technical diagnostics and to carry out maintenance work on metallic ropes of radio equipment 1-47536
- Zobernig, G. *see* Burkhardt, H. 1-43210
- Zobniw, L.M. Module-in-place isolation technique using analog-to-digital converters 1-27418
- Zobniw, L.M. Processing intermixed logic structure 1-36396
- Zobniw, L.M. *see* Babel, J.J. 1-32268
- Zobniw, L.M. *see* Bohner, J.E. 1-31864
- Zobniw, L.M. *see* Jackson, E.W. 1-31863
- Zobov, E.A., Sokolov, V.G., Sidorov, A.N., Smirnova, T.I., Tomashevich, Yu.V. Discharge over the surface of carbon-graphite materials 1-28157
- Zobrist, S.P. *see* Hendricks, L.J. 1-37194
- Zoeller, M.A. An ultra-high data rate mass storage system 1-40803
- Zograf, P.G. *see* Venkov, A.B. 1-50193
- Zohta, Y. *see* Oku Watanabe, M. 1-45931
- Zolecki, R. *see* Bogaty, J.M. 1-43174
- Zolfaghari, A. *see* Ebeling, W. 1-48344
- Zollner, G., Bindler, J.-E., Konzelmann, M. Investigation of a heating cost distribution system with electrical registration of measured values 1-42568
- Zollweg, R.J., Liebermann, R.W., McLain, D.K. A radiation and convection model of the vertical mercury arc containing sodium and scandium iodides 1-49783
- Zollweg, R.J. *see* McLain, D.K. 1-27745
- Zolomy, I., Adan, A. Current transients in illuminated polysilicon MIS diodes 1-28033
- Zolotarev, N.A. Piecewise polynomial approximation of magnetisation characteristics 1-40775
- Zolotkovskii, V.S., Belyakov, V.I., Sklyutovskii, V.I. Automatic product counting device 1-38093
- Zolotov, E.M. *see* Akhmedzhanov, I.M. 1-40968
- Zolotov, E.M. *see* Bozhevol'nyi, S.I. 1-33060, 1-36978
- Zolovkina, I.S. *see* Aboltin'sh, E.E. 1-28845
- Zombek, M.V. *see* Griffiths, R.E. 1-47975
- Zombory, L. *see* Fodor, G. 1-30234
- Zondervan, J. Motor vehicle electronics. I 1-39187
- Zondervan, J. Motor vehicle electronics 1-43902
- Zondervan, J. Auto-electronics 1-49776
- Zong-he Su *see* Su Zong-he
- Zong-min Yin *see* Yin Zong-min
- Zong-Qi Lin, Shu-tong Zhou, Chang, S.C., Forouhar, S., Delavaux, J. A generalized two-dimensional coupled-mode analysis of curved and chirped periodic structures in open dielectric waveguides 1-45631
- Zong-Qi Lin *see* Chang, W.S.C. 1-36971
- Zong-xuan Hu *see* Yong-sui Fang 1-50372
- Zongker, L.K. *see* Thayer, D.R. 1-52120
- Zongmin, Y. An introduction to fiber optics 1-40927
- Zongying Xu *see* Xu Zongying
- Zonov, I.V. Use of a large transducer to measure directional characteristics in the near zone 1-52970
- Zonov, I.V., Ermolov, I.N. Echo signals reflected from a plane 1-45151
- Zorat, A. *see* Horowitz, E. 1-28056
- Zorin, A.B. Fluctuations in finite-capacitance Josephson tunnel junctions 1-46469
- Zorko, R. Development and measuring technique trends 1-44580
- Zorn, P. *see* Fromm, B. 1-32182
- Zory, P. *see* Childs, R. 1-51479
- Zotov, A.F. A simplified calculation method for the power run-off through the gas in multicomponent mixture filament lamps 1-31647
- Zotov, A.F., Litvinov, V.S. Thermal tungsten sputtering in nonuniform gases 1-35494
- Zotov, A.Ya., Fominikh, Yu.A., Popov, I.A. Overload capacity controlled UPS-35U1 circuit breaker 1-35291
- Zotov, B.V. *see* Rozenfel'd, E.B. 1-38483
- Zotov, L.G. *see* Doverman, G.I. 1-35052
- Zotov, V.D., Arobelidze, O.K. A visual system for an industrial robot 1-52487
- Zotter, B. Turbulent bunch lengthening and the microwave instability 1-43035
- Zotter, B. *see* Bane, K. 1-48488
- Zotter, B. *see* Chen, B. 1-43016
- Zotter, B. *see* Hofmann, A. 1-48510
- Zotter, B. *see* Weiland, T. 1-48450
- Zou Mou-yan, Shen Guang-ming Theory of network extension—properties and applications of basic network extension 1-50366
- Zrebski, D. P<sup>2</sup>CMOS microprocessor provides high performance solution to low power applications 1-27465
- Zrilić, D. *see* Leonardi, S. 1-29072
- Zrodnikov, V.S. *see* Gavrilova, Yu.E. 1-37086
- Zschecke, J. Microprocessor display using an oscilloscope 1-42539
- Zsebk, A. *see* Szabo, I. 1-43885
- Zsigmond, G. Voltage drop calculation of systems containing several consumers by adopting a method of the graph theory 1-30646
- Zsigmond, G. *see* Cser, L. 1-38455
- Zsoldos, B. *see* Kolonits, V.P. 1-40319

- Zsombor-Murray, P.J.**, Vroomen, L.J., Thedin Hendriksen, N. A miniature recording cardiachometer 1-34560
- zu Horste, U. Meyer *see* Meyer zu Horste, U.
- Zu Shi Shou *see* Shi Shou Zu
- Zu-pei Chen *see* Chen Zu-pei
- Zu-yao Chen *see* Chen Zu-yao
- Zu-Yao Zhou *see* Zhou Zu-Yao
- Zubarev, I.G.**, Mironov, A.B., Mikhailov, S.I. Single-mode pulse-periodic oscillator-amplifier system with wavefront reversal 1-28695
- Zubchenko, Yu.V.** *see* Lokshin, V.E. 1-44528
- Zubeldia, J.J.** *see* Realp, E. 1-49090
- Zuber, V.M.** *see* Tsirlin, Yu.A. 1-52712
- Zubkov, Yu.G.** *see* Zav'yalkin, F.M. 1-36012
- Zubov, V.A.**, Kraiskii, A.V. Recording of Fourier holograms with a scatterer image in the hologram plane 1-28816
- Zubov, V.A.** *see* Borkova, V.N. 1-28817
- Zubov, V.G.**, Krishev, A.P., Semenisty, K.S., Yurkovskii, D.A. Features of design of low-frequency spectral-ratio pyrometer 1-30127
- Zubov, V.G.**, Semenisty, K.S., Yurkovskii, D.A. Amplification of output signals of primary pyrometric transducers of spectral-ratio pyrometers 1-30128
- Zucca, R.**, Welch, B.M., Asbeck, P.M., Eden, R.C., Long, S.I. Semi-insulating GaAs—a user's view 1-28123
- Zucchelli, A.** *see* Alemanni, M. 1-39251
- Zucchiatti, A.** *see* Corvisiero, P. 1-48600
- Zuchold, W.** *see* Vorwerk, H. 1-29640
- Zuckerman, I.I.** *see* Grudzinski, M.A. 1-41720
- Zuczowski, R.** *see* Malcher, J. 1-37282
- Zue Zhong Wang *see* Wang Zue Zhong
- Zuehlke, R.** *see* Pollman, K. 1-36165
- Zuev, B.I.** *see* Lamekin, V.F. 1-27580
- Zuev, I.V.** *see* Yafarov, R.K. 1-35539
- Zuev, V.S.**, Korol'kov, K.S., Nosach, O.Yu., Orlov, E.P. Experimental investigation of internal losses in iodine lasers pumped by ultraviolet radiation from an open high-current discharge 1-51370
- Zuev, V.S.** *see* Basov, N.G. 1-51375
- Zuev, V.V.** *see* Bykovskii, Yu.A. 1-36512
- Zuevich, A.V.**, Alekseenko, V.V., Sugak, V.M. Imaging of underground objects by sonic acoustic holography 1-34733
- Zuhlke, P.** Recycling in certain countries 1-49235
- Zuhlke, W.** DPCM with variable word length for the television picture coding 1-34085
- Zu'i, F.H.**, Shaughnessy, E.J. Some characteristics of a GaAlAs diode laser anemometer for measuring fluid velocity 1-52606
- Zuiderwyk, M.** *see* Frost, M.T. 1-34475
- Zuk, W.** *see* Maczka, D. 1-52659
- Zukotynski, S.** *see* Kalnitsky, A. 1-51254
- Zukovskii, Yu.G.**, Khanzhiev, A.S. Calculating the best setting for relay protection 1-49156
- Zul'karneev, R.Ya.** *see* Gagunashvili, N.D. 1-30326
- Zumbado, J.A.** Switched resistor resonator for an active bandpass filter 1-32335
- Zumbado, J.A.** Data acquisition system architecture with dedicated sample holds 1-32379
- Zumdieck, J.F.** *see* Taussig, R.T. 1-30942
- Zumkeller, H.** Auto reverse cassette deck 1-47853
- Zung T. Chang** ASCR sine-wave inverters produce low EMI 1-27249
- Zupan, F.**, Trelc, J. DC calibration device 1-47867
- zur Heiden, D.** *see* Neininger, G. 1-29801
- Zurada, J.** Digitally controlled active RC filters using integrators 1-27510
- Zurada, J.** *see* Goodman, K. 1-40105
- Zurada, J.M.** Digitally tunable active filter biquads 1-40104
- Zurcher, A.** *see* Aeberhard, M. 1-42063
- Zurfluh, E.** *see* Ludlam, T. 1-34446
- Zurhorst, B.** Telecommunications economics within the frame of the financial-economical practice of the Federal German Post Office 1-47286
- Zussman, A.** *see* Eger, D. 1-27852
- Zutter, D.** *see* De Zutter, D.
- Zuxian, Y.** *see* Luguang, Y. 1-51138
- Zuxun Ying** *see* Ying Zuxun
- Zvegintsev, A.V.** *see* Zarochentsev, G.G. 1-43917
- Zverev, A.G.**, Nablev, R.F., Pechenov, A.N., Popov, Yu.M., Skorbun, S.D. Method for measuring the optical gain in semiconductors 1-28692
- Zverev, S.S.** *see* Bazzhim, Yu. 1-52457
- Zverev, V.A.** *see* Brusin, I.Ya. 1-37961
- Zverev, V.N.** Experimental investigation of the nonparabolicity of the light-hole band of germanium. [Photoconductivity] 1-40997
- Zwas, G.** *see* Isaacson, E. 1-35915
- Zwehl, W.** *see* Garcia, E. 1-52771
- Zweifel, P.** *see* Kofler, E. 1-35006
- Zwemmer, D.** *see* Lievense, L.W. 1-48952
- Zwick, U.** *see* Schmidt, W. 1-33072
- Zwicker, W.K.** *see* Chinn, S.R. 1-28684
- Zwicky, R.** Converter fed induction motors—a survey 1-31521
- Zwiebel, D.S.** Dupe sheets from A-Z [amateur radio] 1-29625
- Zwingelstein, G.C.** Application of aggregation techniques for model order reduction of nuclear plants for operator guidance systems 1-30951
- Zwonik, R.S.** *see* Couyras, J.P. 1-50972
- Zyablov, V.V.** *see* Dumer, I.I. 1-29099
- Zygielbaum, P.S.**, Dolbec, A.C., Sr. Magnetohydrodynamics: an engineering perspective 1-44010
- Zygielbaum, P.S.**, Dolbec, A.C., Sr. Magnetohydrodynamics: an engineering perspective 1-49387
- Zykin, A.L.**, Orlov, A.Ya. Increasing the maintainability of a P-59 boiler at the Ryazan regional steam power station 1-43919
- Zykova, Ye.V.** *see* Pchel'nikov, Yu.N. 1-45865
- Zylbersztejn, A.** *see* Pinsard, J.L. 1-46169
- Zyngier, H.** *see* Chehab, R. 1-48508
- Zyngier, H.** *see* Denard, J.C. 1-42998
- Zyngier, H.** *see* Le Duff, J. 1-48485, 1-48509
- Zyoute, M.** New active RC Bode-type variable equaliser 1-36300
- Zyss, J.**, Chemla, D.S., Nicoud, J.F. Demonstration of efficient nonlinear optical crystals with vanishing molecular dipole moment: second-harmonic generation in 3-methyl-4-nitropyridine-1-oxide 1-37209
- Zyss, J.** *see* Chemla, D. 1-33016
- Zyubrik, A.I.** *see* Karinskii, S.S. 1-37235
- Zyuganov, A.N.** *see* Bagratishvili, G.D. 1-46023
- Zywietz, C.** Procedures and recommendations for computerized ECG analysis: report on a TC4 WG 4.3 working document 1-43359
- Zywietz, Chr.**, Joseph, G., Grabbe, W. A new intelligent electrocardiograph for stand alone ECG analysis 1-48721

BIBLIOGRAPHY INDEX

1/f noise, experiments, (91 refs.).....	46089
Air-traffic control display systems, (127 refs.).....	30531
Airborne electronic displays, (79 refs.).....	34663
Al <sup>III</sup> B <sup>VI</sup> single crystals growth and characterisation, (79 refs.).....	27101
Amorphous and polycrystalline thin film growth and structure, (60 refs.).....	39810
Amorphous silicon, (98 refs.).....	45101
Amorphous thin-film devices, (82 refs.).....	40528
Amorphous thin film electrical and optical properties, (89 refs.).....	40431
Antenna theory, ill-posed problems, (78 refs.).....	41291
Atmospheric ablation in meteorites, (213 refs.).....	48635
Atmospheric pollution from power stations, (82 refs.).....	38894
Batteries and fuel cells, R&D activities, (53 refs.).....	35331
Beam-intensity limitations in linear accelerators, (50 refs.).....	42982
Binary crystals, defect equilibria and nonstoichiometry, (53 refs.).....	45889
Bioinstrumentation, biological, medical and environmental applications, (77 refs.).....	26803
Biological influences of power frequency electric fields, (145 refs.).....	52814
Bipolar VLSI devices and circuits, (80 refs.).....	40693
Blood-gas partial pressure measurement, (68 refs.).....	43279
Bone healing, (54 refs.).....	43367
Boundary value problems into 'standard' form reformulation, (50 refs.).....	35911
Breakdown in dielectric fluids, (66 refs.).....	40732
Bulk acoustic wave devices, frequency stability, (50 refs.).....	36764
Cd <sub>3</sub> As <sub>2</sub> electronic properties, (57 refs.).....	36497
Chemically pumped lasers, (166 refs.).....	41061
CMOS integrated circuit reliability, (145 refs.).....	32882
CMOS technologies, (82 refs.).....	36695
Colour centre lasers, (64 refs.).....	41078
Combinatorial mathematics, (88 refs.).....	39569
Combustion powered MHD power generation, gas phase chemistry, (66 refs.).....	53694
Computer communications, local distribution methods for bursty data sources, (56 refs.).....	41965
Computer-generated holograms, (112 refs.).....	28818
Computers and communication, (53 refs.).....	47374
Conducting organic polymers: doped polyacetylene, (55 refs.).....	27937
Continuous functions approximation, (167 refs.).....	50246
Controlled AC electric motor drives, (79 refs.).....	49716
Data communications, (98 refs.).....	39310
Delta modulation, (68 refs.).....	37403
Design and manufacture of power transistors, (95 refs.).....	40565
Detectors for the 1.1 to 1.6 μm wavelength region, (52 refs.).....	52471
Devices and circuits for bipolar VLSI, (72 refs.).....	36671
Dielectric resonator applications in microwave components, (112 refs.).....	45603
Differential noise inhibiting methods in analogue measurement systems, (57 refs.).....	52327
Digital algorithms for protective relaying, (83 refs.).....	53139
Digital baseband transmission on metallic pairs, (84 refs.).....	37846
Digital optical links, multistage, (87 refs.).....	37893
Digital phase-locked loops, (70 refs.).....	27363
Digital transmission using optical fibres, (65 refs.).....	29746
Dissector photon counters, (53 refs.).....	48115
Distributed processing, (78 refs.).....	33833
Distributed processing, (77 refs.).....	37758
Earth-space RF propagation effects, (59 refs.).....	46887
EBIC and voltage contrast modes in semiconductor devices, (56 refs.).....	36578
Eddy current transducer interaction with curved layer construction shells, (61 refs.).....	50356
EEG signals, computer analysis, parametric models, (95 refs.).....	30460
Electric power pricing, principles, (57 refs.).....	30637
Electric power systems textbooks, (172 refs.).....	52975
Electric vehicle asynchronous motor drives, (64 refs.).....	53723
Electrical characteristics of ion implanted semiconductors, (213 refs.).....	36560
Electrical contacts sliding wear, (52 refs.).....	32459
Electricity supply industry, (307 refs.).....	38636
Electro-optical visual display systems, (71 refs.).....	30021
Electrochemical sensors, surface modification and commercial application, (168 refs.).....	52434
Electrocrystallisation of semiconductor materials from molten salt and organic solutions, (57 refs.).....	39808
Electroluminescent display technologies, (67 refs.).....	41027
Electroluminescent image transformers and amplifiers, (63 refs.).....	51287
Electrolyte for Na/S batteries, (57 refs.).....	35344
Electromagnetic inverse problems, polarisation dependence, (59 refs.).....	41208
Electromagnetic suspension and levitation, (127 refs.).....	44439
Electron beam lithography, (51 refs.).....	36545
Electron beam lithography models, (116 refs.).....	50860
Electron cyclotron masers, different mathematical models, (68 refs.).....	51296
Electron transfer processes at the semiconductor-electrolyte interface, (147 refs.).....	50849
Electronic ceramics processing, (77 refs.).....	35978
Electronic power supplies, (56 refs.).....	32181
Electrophotographic processes and materials, recent developments, (60 refs.).....	33319
Energy development in China, (73 refs.).....	53153
Energy model and management, (56 refs.).....	34970
Energy supply in West Germany, (67 refs.).....	34972
Energy transport, (54 refs.).....	38637
Engineer's legal and moral responsibilities, (54 refs.).....	26827
Eye-controlled communication aids, (74 refs.).....	34557
Failure analysis of microelectronics—measurement of electron beam induced current, (76 refs.).....	27914
Film deposition mechanism of RF sputtering method, (99 refs.).....	32081
Fossil fuel power stations, design and operation, (62 refs.).....	49268
Fractional programming, (60 refs.).....	32004
Frequency selective propagation effects on spread-spectrum receiver tracking, (55 refs.).....	41239
GaAs-electrochemically grown anodic oxide optical properties, (51 refs.).....	32711
GaAs IC technology, (60 refs.).....	32887
GaAs monolithic integrated circuits, (73 refs.).....	28114
GaAs monolithic integrated circuits, (103 refs.).....	32860
GaAs semiconductor junction lasers optical gain within active region, (51 refs.).....	28726
Ge(Li) detector development, (135 refs.).....	43209
Graded index optical waveguides, (351 refs.).....	33067
Groundwave radio circuits, (60 refs.).....	46886
Growth, morphology and impurity characterisation of some I III IV <sub>2</sub> sulphides and selenides, (58 refs.).....	27102
Gyrotrons—MM-wave source using relativistic electronics, (50 refs.).....	40352
Hadron calorimetry measurement fluctuations, (60 refs.).....	38433
Heavily doped rare-earth material processes and their application to optoelectronic devices, (110 refs.).....	51293
Heterostructures in semiconductor electronics, (57 refs.).....	50819
High-energy physics experiments, intelligent device, (87 refs.).....	48655
High-resistivity GaAs epitaxial growth techniques, (55 refs.).....	27134
History of functional analysis, (235 refs.).....	31925
Hole mobility and resistivity in p-Si doped with B, Ga and In, (50 refs.).....	32611
Human visual models for image processing, (60 refs.).....	33625
HV gas breakdown and insulators in compressed gas, (71 refs.).....	32530
HV transmission network in Finland, CAD, (60 refs.).....	43620
Hydrogenerator thermostat stator windings, (64 refs.).....	44046
Hydrogenerator thermostat stator windings, (67 refs.).....	44051
Hydrostatic pressure effect on forward-biased p-n junction devices, (75 refs.).....	36506
i-carbon films preparation, (82 refs.).....	35973
III-V epitaxial layers growth from vapour phase, (88 refs.).....	35960
Image data compression, (223 refs.).....	29176
Image processing algorithms, edge and line detection, (125 refs.).....	41798
Image processing algorithms, orthogonal transforms, (48 refs.).....	41796
Image processing algorithms, region segmentation, (109 refs.).....	41800
Image processing algorithms, relaxation techniques, (40 refs.).....	41797
Image processing algorithms, texture analysis, (82 refs.).....	41799
Impulse voltage strength of AC rotating machines, (92 refs.).....	49414
Industrial air and water pollution protection measures, (83 refs.).....	43450
Industrial electrostatics, (59 refs.).....	33310
Industrial innovation and governmental policy, (55 refs.).....	31803
Inelastic tunnelling spectroscopy study of some iron cyanide complexes, (66 refs.).....	32790
Infinite particle systems, (99 refs.).....	39556
Information technology and communications, (142 refs.).....	33822
Instrumentation technology, (58 refs.).....	38082
Integral diagnostics of electronic components, (104 refs.).....	49986
Integrated circuits automated design, (53 refs.).....	40628
Integrated magnetic heads, (66 refs.).....	36824
Integrated voice and data networks, performance, (175 refs.).....	41949
Interface phenomena in advanced batteries, (51 refs.).....	44336
International legal norms governing development of the orbit/spectrum resource, (193 refs.).....	52210
Inverse methods in electromagnetics, (82 refs.).....	41201
Ion bombardment and ion implantation in GaAs and InP device fabrication, (164 refs.).....	45925
Ion implantation in III-V semiconductors, (58 refs.).....	36552
Ion source development for on-line separators, (60 refs.).....	52653
Isolated and connected word recognition, (85 refs.).....	37431
Italian bioengineering research (1975-1979), (215 refs.).....	34554
Josephson effect millimeter range receivers, (67 refs.).....	46478
Josephson LSI circuits, (51 refs.).....	50509
Land remote sensing technology, (53 refs.).....	34721
Laser annealing and epitaxy, (55 refs.).....	50287
Laser fusion experiments, facilities, and diagnostics at Lawrence Livermore National Laboratory, (62 refs.).....	41171
Laser-induced depth damage and light scattering in crystals and glasses, (105 refs.).....	41135
Laser rangefinders, (54 refs.).....	47747
Laser speckle metrology, (90 refs.).....	51548
Life cycle costs, (164 refs.).....	50049
Lightning research in Southern Africa, (78 refs.).....	30790
Lithium/aluminium-iron sulphide batteries, (59 refs.).....	44331
Lithographic process physics and chemistry, (67 refs.).....	50858
Load forecasting, (63 refs.).....	43617
Load management, (64 refs.).....	34787
Load management, (64 refs.).....	43534
Long wavelength semiconductor lasers for optical communications, (66 refs.).....	33240
Low-frequency fluctuations in solids: 1/f noise, (55 refs.).....	45705
Low pressure measurement, (57 refs.).....	38313
Magnetic development, (72 refs.).....	46481
Magnetic recording materials, (47 refs.).....	46414
Materials for energy conservation and storage, (108 refs.).....	49647
Materials options for field-effect transistors, (112 refs.).....	50949
Mathematical models for image processing, (95 refs.).....	33622
Mechanical television, (50 refs.).....	47802
Metal-semiconductor contacts study by AES, ELS, UPS, (67 refs.).....	32706
Meteorological applications of IR sensors, (60 refs.).....	48857
Microcircuit design and application, (114 refs.).....	49861
Microcomputer modules for instrument data acquisition, (165 refs.).....	52346
Microlithography with soft X-rays, (119 refs.).....	27916
Microprocessor control of linear step drives, (143 refs.).....	49725
Microprocessors in electrical equipment control, (110 refs.).....	31506
Microstrip antenna technology, (104 refs.).....	28996
Microstrip array technology, (63 refs.).....	29023
Microwave resonators, open coaxial structures, (130 refs.).....	27606
Millimetre wave and infrared attenuation by fog, (59 refs.).....	46890
Molecular infrared lasers using resonant laser pumping, (147 refs.).....	37077
Molecular IR and rare gas halide lasers, (153 refs.).....	41060
Monte Carlo method in physical electronics and thin film physics, (120 refs.).....	31947
MOS device instabilities, (248 refs.).....	44592
Multirate digital signal processing interpolation and decimation, (53 refs.).....	29175
N <sub>2</sub> laser, (152 refs.).....	46680
N <sub>2</sub> waveguide laser, (47 refs.).....	41047
Narrow-gap semiconductor growth, properties and applications, (249 refs.).....	32657
Nationalised energy industries economic control, (69 refs.).....	49906
Nb <sub>3</sub> Sn multifilamentary superconductor fabrication, (51 refs.).....	28283
Noncooperative n-person games in normal form, Nash equilibria, (52 refs.).....	35728
Nonlinear integer programming, (51 refs.).....	50234
Nonlinear optical devices, (92 refs.).....	41148
Numerical methods based on Whittaker cardinal, or sinc functions, (60 refs.).....	35885
Optical gain and its saturation behaviour in semiconductor lasers, (50 refs.).....	51475

Optics in medical ultrasonics, (76 refs.).....	38494
Optics technology advances (1945 to 1980), (71 refs.).....	33014
Optoelectric radiation emitter, (195 refs.).....	51285
Orsay nuclear research centre, (70 refs.).....	52625
Packet switching technology, (137 refs.).....	29304
Particle detection methods, (55 refs.).....	34421
Passive microwave techniques for geophysical sensing, (61 refs.).....	48836
Passive sonar signal processing, (63 refs.).....	41652
Phase retrieval problem for EM fields, (60 refs.).....	37246
Photodetectors based on heterostructures, (58 refs.).....	52484
Polarisation microwave holography, (70 refs.).....	28809
Polarization utilization in electromagnetic inverse scattering, (250 refs.).....	28872
Polarized targets in nuclear and high energy physics, (56 refs.).....	43145
Polycrystalline and amorphous thin films and devices, (680 refs.).....	39320
Polycrystalline semiconductor thin film electrical properties, (231 refs.).....	40378
Polycrystalline thin film devices industrial application, (55 refs.).....	40529
Polyvinylidene fluoride, piezoelectric and ferroelectric properties, (61 refs.).....	28167
Power station chemistry, (66 refs.).....	53232
Power system grounding, (331 refs.).....	43772
Power systems grounding, (291 refs.).....	34935
Precision measurement limits, (99 refs.).....	52317
Process-induced defects in Si, (81 refs.).....	36469
Programmed insulin delivery systems, (53 refs.).....	30468
Pulsed intense ion beams, generation and application, (59 refs.).....	52652
Punch-through currents in $p^+n-p^+$ and $n^+p-p^+$ structures, (48 refs.).....	45988
Quantitative and automated needle electromyographic analyses, (54 refs.).....	43335
Quasi-synchronous direct wave radio for mobile radio networks range extension, (50 refs.).....	29637
Quaternary III-V systems for semiconductor sources of coherent and non-coherent radiation, (60 refs.).....	50785
Radiation hardened MOS devices, (54 refs.).....	50950
Radio-engineering systems, nonlinear, functional method of analysis, (54 refs.).....	47535
Radio propagation for space communications systems, (63 refs.).....	37311
Radiowave transequatorial propagation, (50 refs.).....	46882
Recording and analysis of AC impedance data for corrosion studies, (67 refs.).....	52599
Regenerative energy sources, (66 refs.).....	38844
Renewable energy sources and rural development in developing countries, (54 refs.).....	49212
Resist research, (81 refs.).....	46214
Satellite broadcasting to homes. Service options, policy issues and costs, (66 refs.).....	52220
Scattering of waves from periodic structures, (86 refs.).....	51581
Semiconductor characterisation by electrochemical methods, (1183 refs.).....	44591
Semiconductor crystal growth by sputter deposition, (237 refs.).....	35969
Semiconductor grade silicon, (188 refs.).....	32618
Semiconductor integrated circuit testing, (51 refs.).....	28079
Semiconductor laser theory, (160 refs.).....	51473
Semiconductor material and structure characterisation by electrochemical methods, (217 refs.).....	45971

Semiconductor surface device physics, (40 refs.).....	50832
Si, oxidation, impurity diffusion, and defect growth, (64 refs.).....	46070
Si semiconductor gettering processes, (56 refs.).....	50863
Si-SiO <sub>2</sub> interface states and charges, (64 refs.).....	27875
Si solar cells, (121 refs.).....	44368
Si wafers warpage, factors affecting, (50 refs.).....	27912
Small power reactors for developing countries, (56 refs.).....	30923
Solar cells, conductor-insulator-semiconductor, (314 refs.).....	31460
Solar cells, non-Si, R and D status, (105 refs.).....	53575
Solar power, its promises and problems, (52 refs.).....	35358
Solid electrolytes, (70 refs.).....	44332
Solid electrolytes conductivity and space charge phenomena with one mobile charge carrier species, (74 refs.).....	45954
Speech synthesis techniques, (54 refs.).....	41522
Steam power plant base load and cycling, (62 refs.).....	31006
Steam turbines, review, (111 refs.).....	38895
Stochastic computing, (93 refs.).....	27051
Superconducting fusion-magnet materials, radiation effects, (50 refs.).....	28406
Superconducting material research in the 1970's, (71 refs.).....	28282
Superconducting rectifiers and fluxpumps, (132 refs.).....	38995
Surface damage to ruby laser crystals, (66 refs.).....	41134
Surface pattern production by chemical and plasma etching, review, (161 refs.).....	27951
Surface reactions in electronic interconnections, (120 refs.).....	27673
Switched-capacitor filters, (57 refs.).....	45520
Switchgear, (134 refs.).....	39099
Switchgear literature, (132 refs.).....	39082
Systems engineering approach to incorporation of automatic test equipment, (66 refs.).....	52373
Tables of sphere packings and spherical codes, (63 refs.).....	41498
Testing PCBs with LSI devices, (50 refs.).....	39391
The basic contact processes, (43 refs.).....	39557
Thyristors at high frequencies, (64 refs.).....	32812
Time series, (331 refs.).....	31932
Transversely excited waveguide gas lasers, (56 refs.).....	41046
Tunnel diode oscillators, performance modelling, (60 refs.).....	36138
Tunneling hot electron transfer amplifiers (THETA), (144 refs.).....	36539
Ultra-sensitive mass spectrometry with tandem accelerators, (63 refs.).....	48663
Universal coding, (51 refs.).....	37414
VHF antennas and applications, (51 refs.).....	29004
Video disc technology, laser beam applications, (54 refs.).....	52262
VLSI design aids, (87 refs.).....	46206
Waste heat utilisation in industry and by power stations for energy savings, (54 refs.).....	43887
Water management for hydrothermal power systems, (283 refs.).....	35090
Wave power generation, (175 refs.).....	44625
X-ray image processing, (123 refs.).....	34609
X-ray sources, (51 refs.).....	34550
X-ray spectral analysis techniques for plasma microsources review, (120 refs.).....	30384
Zn dissolution and passivation in aqueous NaOH, (59 refs.).....	35337
ZnO-electrolyte boundary, properties and behaviour, (113 refs.).....	46031

# BOOK INDEX

AC and DC circuits. 2nd edition; G.Lancaster, [Oxford, England: Clarendon Press 1980, £9.95] 35590	
Active filter design handbook. For use with programmable pocket calculators and minicomputers; G.S.Moschytz, P.Horn, [Chichester, West Sussex, England: Wiley 1981, £16.00] 45497	
Advanced test and measurement instrumentation; S.Runyon, [Rochelle Park, NJ, USA: Hayden 1981, £10.00] 49860	
Analysis and design of integrated electronic circuits; P.M.Chirlian, [New York, USA: Harper & Row 1981, £15.75] 39316	
Annual review of information science and technology. Vol.15; M.E.Williams (editor/s), [White Plains, NY, USA: Knowledge Ind. Publications Inc. 1980] 33822	
Antenna theory and design; R.S.Elliott, [Englewood Cliffs, NJ, USA: Prentice-Hall 1981, £26.60] 49875	
Aperture antennas and diffraction theory; E.V.Jull, [Stevenage, Herts., England: Peter Peregrinus 1981] 49876	
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Applied charged particle optics. Part B; A.Septier (editor/s), [London, England: Academic Press 1980, \$45.50] 49865	
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Basic electromagnetic fields; H.P.Neff Jr., [New York, USA: Harper & Row 1981, £14.25] 49859	
Circuits and systems: A modern approach; A.Papoulis, [New York, USA: Holt, Rinehart & Winston, Inc. 1980] 39319	
Combined properties of conductors. An aid for calculation of thermal processes in electrical and heat engineering; A.Tsif, [Amsterdam, Netherlands: Elsevier 1981, £126.75] 44590	
Commentary on the 15th edition of the IEE wiring regulations; B.D.Jenkins, [Stevenage, Herts., England: Peter Peregrinus 1981] 39282	
Continued fractions. Analytic theory and applications; W.B.Jones, W.J.Thron, [Reading, MA, USA: Addison-Wesley 1980, \$37.50] 26973	
Current topics in materials science. Vol.6; E.Kaldis (editor/s), [Amsterdam, Netherlands: North-Holland 1980, \$87.75] 44591 (introductory abstract), 45971, 46031	
Dictionary of electrical engineering. Second edition; K.G.Jackson, R.Feinberg, [London, England: Butterworths 1981] 31763	
Digital television. Bandwidth reduction and communication aspects; R.H.Stafford, [Chichester, West Sussex, England: Wiley 1980, £18.70] 26804	
Electric circuit fundamentals; E.N.Lurch, [Englewood Cliffs, NJ, USA: Prentice-Hall 1979, £12.30] 39315	
Electric energy: Its generation, transmission and use; E.R.Laithwaite, L.L.Fraser, [London, England: McGraw-Hill 1980, £9.95] 35589	
Electrical and electronics trades directory. 99th edition; [Stevenage, Herts., England: Peter Peregrinus 1981, £30.00] 39283	
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Electronic devices and components; J.Seymour, [London, England: Pitman 1981, £9.95] 39322	
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High speed pulse technology. Vol.4. Sparks and laser pulses; F.B.A.Frangel, [London, England: Academic Press 1980, \$49.50] 39321	
History of functional analysis; J.Dieudonne, [Amsterdam, Netherlands: North-Holland 1981, \$29.50] 31925	
Instabilities in MOS devices; J.R.Davis, [London, England: Gordon & Breach 1981] 44592	
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Laser applications. Vol.4; J.W.Goodman, M.Ross (editor/s), [London, England: Academic Press 1980, \$32.00] 49863, 51548, 52262, 53848	
Light. Vol.1. Waves, photons, atoms; H.Haken, [Amsterdam, Netherlands: North-Holland 1981, \$34.25] 44624	
Measurement for management decision; R.O.Mason, E.B.Swanson, [Reading, MA, USA: Addison-Wesley 1981] 44626	
Methods of digital holography; D.Parsons, D.Parsons (translator/s), [New York, USA: Consultants Bureau 1980] 49862	
Minicomputers. A reference book for engineers, scientists and managers; K.Bowdell, [Tunbridge Wells, Kent, England: Abacus Press 1981, £32.50] 51971-4, 52012, 52364	
Organic crystals, germanates, semiconductors; L.N.Demianets, G.A.Emelchenko, J.Hesse, N.Karl, A.N.Lobachev, H.Maier, [Berlin, Germany: Springer-Verlag 1980] 31777, 32657	
Polycrystalline and amorphous thin films and devices; L.L.Kazymerski (editor/s), [London, England: Academic Press 1980] 39320, 39810, 40378-9, 40431, 40528-9, 44384	
Power from sea waves; B.Count (editor/s), [London, England: Academic Press 1980] 44625	
Power system protection. Vol.1. Principles and components; [Stevenage, Herts., England: Peter Peregrinus 1981] 31778	
Progress in optics. Vol.XVIII; E.Wolf (editor/s), [Amsterdam, Netherlands: North-Holland 1980, \$61.00] 33067	

**Protocols and techniques for data communication networks;** *F.F.Kuo (editor/s)*, [Englewood Cliffs, NJ, USA: Prentice-Hall 1981, £23.00] 49868

**Quantum electronics. Pt.B;** *C.L.Tang (editor/s)*, [New York, USA: Academic Press 1979, \$44.50] 39318 (introductory abstract), 41060–1, 41078, 41148

**Semiconductor optoelectronics;** *M.A.Herman (editor/s)*, [Chichester, West Sussex, England: Wiley 1980, £19.50] 49867 (introductory abstract), 50292, 50744–5, 50783–7, 50809, 50819–20, 50843, 51209, 51287, 51293, 51473–8, 52119, 52484

**Sinusoidal analysis and modeling of weakly nonlinear circuits. With application to nonlinear interference effects;** D.D.Weiner, J.F.Spina, [Wokingham, Berks., England: Van Nostrand Reinhold 1980, £20.65] 35587

CONFERENCE INDEX

**50th Annual International SEG Meeting;** Houston, TX, USA, 16-20 Nov. 1981, [April 1981] 43422 (introductory abstract),

**A review of modem techniques;** London, England, 14 Jan. 1981, [London, England: IEE 1981] 39291 (introductory abstract), 41788, 41888, 42014–16

**Accelerator engineering and technology;** Washington, DC, USA, 11-13 March 1981, (*NSF: US Dept. Energy; APS*) [June 1981] 39271 (introductory abstract), 42780–800, 42804–21, 42884–910, 42932–3049, 43172–88, 43204–6

**Accelerator engineering and technology;** Washington, DC, USA, 11-13 March 1981, (*NSF: US Dept. Energy; APS*) [June 1981] 40352, 40873–4, 41037–8, 42822–36, 43050–120, 43189, 43386, 45856, 45862, 46302, 46518, 46660–4, 46989, 48206, 48275–305, 48330–444, 48553–60, 48645–7, 48680, 48748, 49614, 51298–9, 51496, 52614–16, 52637, 52663

**Accelerator engineering and technology;** Washington, DC, USA, 11-13 March 1981, (*NSF: US Dept. Energy; APS*) [Aug. 1981] 48618, 52617–18

**Acoustics, speech and signal processing;** Atlanta, GA, USA, 30 March - 1 April 1981, (*IEEE*) [New York, USA: IEEE 1981] 35567 (introductory abstract), 36254, 36277–80, 37437–77, 37585–637, 37963–4, 37974–80, 38064, 38480, 38516, 38579–80, 40065, 40086, 40119–40, 41517, 41550–610, 41739–77, 41824–34, 41904–6, 41928, 41997, 42296–300, 42310, 42341–8, 42407, 42474–80, 42492–4, 42584, 43433–5, 43442, 43474, 43478

**Adaptive processes;** Albuquerque, NM, USA, 10-12 Dec. 1980, (*IEEE*) [New York, USA: IEEE 1980] 27071, 27208, 29017, 29107, 29202–5, 29243–6, 29309–10, 29443–4, 29613, 29790–4, 30654, 30695–6, 30919, 30948–51, 31040–2, 31734, 33411, 33658

**Adaptive thresholding;** London, England, 25 March 1981, [London, England: IEE 1981] 39297 (introductory abstract), 41617, 42304–7, 42335–9, 42349

**Advances in image transmission II;** San Diego, CA, USA, 31 July - 1 Aug. 1980, [1980] 35558 (introductory abstract), 37520, 37644–60, 37716, 37784, 38027, 38036, 38135–6, 38549, 38588

**Advances in laser engineering and applications;** San Diego, CA, USA, 31 July - 1 Aug. 1980, [1980] 26770 (introductory abstract), 27166, 27911, 28545, 28612, 28640–3, 28688–91, 28723–5, 28744, 30056, 30263–4, 30556, 30565, 30934–6, 31726–7, 32124

**Aerospace and electronic systems, NAECON 1981;** Dayton, OH, USA, 19-21 May 1981, (*IEEE*) [New York, USA: IEEE 1981] 49881 (introductory abstract), 49902, 49931–7, 49985, 50179, 50251, 50376, 50471, 50526–8, 50621, 50628, 50721–5, 51030, 51072, 51495, 51620, 51632, 51666, 51848–51, 51867–8, 51883, 51978–9, 52055, 52093, 52127–31, 52144–52, 52165, 52174–5, 52252, 52757–9, 52839–40, 52852–66, 52876–910, 52917–20, 52925–8, 52954–5, 53502

**Alternative energy sources;** Miami Beach, FL, USA, 15-17 Dec. 1980, *T.Nejat Veziroglu (editor/s)*, [Coral Gables, FL, USA: Clean Energy Res. Inst 1980, \$75.00] 53646–52, 53799

**American Association of Physicians in Medicine 23rd Annual Meeting;** Boston, MA, USA, 9-13 Aug. 1981, [July-Aug. 1981] 43307–10, 43374

**American EEG;** Boston, MA, USA, 5-7 Sept. 1980, [Feb. 1981] 44582 (introductory abstract),

**American Nuclear Society annual meeting;** Miami, FL, USA, 7-11 June 1981, [1981] 48759–66, 49215–18, 49245, 49316, 49319, 49328, 49663, 50249, 52666, 53220–1

**American Vacuum Society's 27th National Symposium;** Detroit, MI, USA, 13-17 Oct. 1980, [March 1981] 45092, 45116–20, 45752, 45982, 45995, 46046, 46163, 46318, 46464, 46474, 46763, 48255, 49690–1, 50287, 51102, 53633

**American Vacuum Society's 27th National Symposium;** Detroit, MI, USA, 13-17 Oct. 1980, [April 1981] 45093–5, 45121, 46018–19, 46098, 46118, 46164, 46209, 46475, 48563, 48913, 49654, 50320, 50719, 50893, 50949

**Antennas and propagation;** Heslington, York, England, 13-16 April 1981, [London, England: IEE 1981] 39289 (introductory abstract), 41224–6, 41287–8, 41306–52, 41354–76, 41400–1, 41410–33, 41441–6, 42220, 46854–60, 46899–942, 46950, 47033–4, 47537, 47655, 48844–5, 48866–8

**Antennas and propagation, 1981;** Los Angeles, CA, USA, 16-19 June 1981, [New York, USA: IEEE 1981] 44610 (introductory abstract), 47005–6, 47036–51, 47079–82, 49978, 50247, 51093, 51212, 51558, 51590–7, 51621–3, 51633, 51648–50, 51667–82, 51688–700, 51705–26, 51730–45, 51749–55, 52059, 52094–100, 52132–7, 52153–60, 52176–7, 52566, 52570, 52815, 52911–13

**Application of accelerators in research and industry;** Denton, TX, USA, 3-5 Nov. 1980, (*IEEE; US Dept. Ind.; NSF; APS; et al*) [April 1981] 35551 (introductory abstract), 35607, 35985, 36372, 36552–6, 36651, 36687, 37047, 37187, 37268, 38196, 38244, 38324–44, 38354–5, 38371–87, 38412–17, 38444, 38454, 38461–2, 38490–2, 38522–8, 38536–41, 38569–73, 38600–1, 38867, 39109, 39136, 42778–9

**Applications of advanced surface spectroscopic techniques;** Delft, Netherlands, 7-9 May 1980, [Nov.-Dec. 1980] 36423, 36472

**Applications of speckle phenomena;** San Diego, CA, USA, 29-30 July 1980, [1980] 33056

**Applied magnetic recording;** San Francisco, CA, USA, 16-17 June 1981, [July 1981] 39273 (introductory abstract), 40792–806, 42518

**Applied superconductivity;** Santa Fe, NM, USA, 29 Sept. - 2 Oct. 1980, (*APS; IEEE; US Dept. Energy; NBS; et al*) [Jan. 1981] 27258, 27337, 27608, 28279–312, 28318–45, 28369–404, 28409–16, 29824, 29960–1, 30079, 30230, 30296–7, 30410, 31179–83, 31246, 31386, 31669, 32991–3, 33011

**Applied surface analysis;** Dayton, OH, USA, 11-13 June 1980, [Jan.-Feb. 1981] 40343, 40878, 41010, 44020

**Solar energy;** J.I.B.Wilson, [London, England: Wykeham Publications (London) Ltd 1979] 35397

**Synchrotron radiation research;** *H.Winick, S.Doniach (editor/s)*, [New York, USA: Plenum 1980, \$65.00] 27916, 28613

**Telecommunications switching;** J.G.Pearce, [New York, USA: Plenum 1981, \$29.50] 49874

**The computer in optical research. Methods and applications;** *B.R.Frieden (editor/s)*, [Berlin, Germany: Springer-Verlag 1980] 28818

**Theory of electroacoustics;** R.Gerber, *R.Gerber (translator/s)*, [New York, USA: McGraw-Hill 1981, £19.25] 44593

**Thyristor networks for the transfer of energy between superconducting coils;** R.L.Kustom, [Madison, WI, USA: Univ. Wisconsin Press 1980] 39317

**Automated testing for electronics manufacturing;** Pasadena, CA, USA, 19-22 Jan. 1981, [Benwill Publishing Corp.: Boston, MA, USA 1981] 49976–7, 50688–90, 52013–14, 52325, 52366–80, 52406, 52415, 52491–2, 52845–50

**Automatic testing & test and measurement;** Wiesbaden, Germany, 23-26 March 1981, [Buckingham, Bucks., England: NETWORK 1981, £105.00] 44594 (introductory abstract), 44738–9, 45409, 45763, 45796, 46218–25, 46461, 47467, 47908–27, 48238

**Automotive technology and automation;** Turin, Italy, 8-12 Sept. 1980, [Croydon, Surrey, England: Automotive Automation Ltd. 1980] 39191 (introductory abstract), 35917–18, 38120–4, 38149, 38189, 38318, 38553, 38602–5, 38892–3, 39172–80, 39192–200, 39244–51

**Autotest;** Washington, DC, USA, 2-5 Nov. 1980, (*IEEE*) [New York, USA: IEEE 1980] 35620–2, 35629–30, 35644, 35661, 36041, 36229–30, 36664–7, 38106–19, 38322, 38552, 38556–9

**Bringing hardware and software together in microprocessor systems;** London, England, 9 March 1981, [London, England: IEE 1981] 40299

**Bulgarian EEG, EMG and clinical neurophysiology;** Sofia, Bulgaria, 23 Feb. 1980, [Jan. 1981] 39268 (introductory abstract),

**Charged particle optics;** Giessen, Germany, 8-11 Sept. 1980, [1 Aug. 1981] 50714–17, 50738–9, 51566–8, 52630

**Circuits and systems;** Chicago, IL, USA, 27-29 April 1981, (*IEEE*) [New York, USA: IEEE 1981] 44595 (introductory abstract), 44782, 44936–8, 45158, 45162–3, 45175–6, 45187–95, 45203–7, 45216, 45218, 45229–34, 45239–49, 45278–9, 45308, 45324–5, 45343, 45410–11, 45450, 45453, 45498–523, 45540–58, 45591, 45803–4, 45831, 46091, 46122, 46226–35, 46288–9, 46964–5, 47137, 47160–1, 47226–7, 47320, 47399, 47437, 47468–9, 47727, 47757, 47770–1, 47848, 48026, 48186, 48976–82, 49053–6, 50362–4, 50366–74, 50379–86, 50388–91, 50394–9, 50425–6, 50449–50, 50478, 50538, 50554–9, 50567–75, 50595, 50991–6, 51647, 51806–7, 51841–2, 52035, 52976, 53031–2

**Circuits, systems and computers;** Pacific Grove, CA, USA, 17-19 Nov. 1980, (*Naval Postgraduate School; Univ. Santa Clara; IEEE*) [New York, USA: IEEE 1980] 31770 (introductory abstract), 31788–9, 31988–90, 32022–4, 32140–1, 32155–7, 32304, 32495, 34300, 35631, 35821–3, 35866, 36027, 36042, 36062, 36065–7, 36143, 36231–2, 36252–3, 36263–76, 36313, 36410, 37390, 37542–60, 37663, 37813, 37971, 38017, 38560, 38597, 38727, 38934

**Coatings on glass;** Geneva, Switzerland, 18-20 Sept. 1980, [6 March 1981] 27137, 27153–5, 27183–4, 27836, 28145, 28756

**Combinatorial mathematics and optimal design;** Fort Collins, CO, USA, 5-9 June 1978, (*US Air Force Office of Sci. Res.; Office Naval Res*) *J.Srivastava (editor/s)*, [Amsterdam, Netherlands: North-Holland 1980, \$68.25] 27007 (introductory abstract), 26976, 27008–31

**Commercial operations in space 1980-2000;** Washington, DC, USA, 27-28 March 1980, (*Aerosp. Med. Assoc.; AIAA; American Soc. Aerosp. Educ.; et al*) *J.L.McLucas, C.Sheffield (editor/s)*, [San Diego, CA, USA: Univelt 1981] 44609 (introductory abstract),

**Communicating information;** Anaheim, CA, USA, 5-10 Oct. 1980, *A.R.Benenfeld, E.J.Kazlauskas (editor/s)*, [White Plains, NY, USA: Knowledge Ind. Publications Inc. 1981] 37773 (introductory abstract), 37703, 37711–13, 37774–80, 38031, 38038–40, 38882, 41981–2

**Computational techniques for ordinary differential equations;** Manchester, England, 18-20 Dec. 1978, *I.Gladwell, D.K.Sayers (editor/s)*, [London, England: Academic Press 1980, \$26.00] 50265

**Computer applications in chemical engineering;** Montreux, Switzerland, 8-11 April 1979, [1979] 43911

**Computer architecture;** Minneapolis, MN, USA, 12-14 May 1981, (*IEEE; ACM*) [New York, USA: IEEE 1981] 41990 (introductory abstract), 41626, 41991, 41998, 47405–7

**Computer arithmetic;** Ann Arbor, MI, USA, 18-19 May 1981, (*IEEE; Univ. Michigan*) [New York, USA: IEEE 1981] 39605–6

**Computer conference - MICRO-DELCON;** Newark, DE, USA, 10 March 1981, (*IEEE*) [New York, USA: IEEE 1981] 47438 (introductory abstract), 44627, 45060, 47231, 47408, 47439

**Computer equipment and interfaces for control;** London, England, 30 April 1981, [London, England: IEE 1981] 42270, 43955

**Computer generation of speech;** London, England, 23 Jan. 1981, [London, England: IEE 1981] 41611 (introductory abstract), 41612–16, 42046, 43414

**Computer recognition of speech;** London, England, 18 May 1981, [London, England: IEE 1981] 41618 (introductory abstract), 41619–25

**Computer science education;** St. Louis, MO, USA, 26-27 Feb. 1981, (*ACM*) [Feb. 1981] 39310–11

**Computer simulation;** Harrogate, England, 13-15 May 1981, (*United Kingdom Simulation Council; SCS*) [Guildford, Surrey, England: Westbury House 1981, £30.00] 50078, 50902, 52875, 53033, 53704

**Computers in cardiology;** Williamsburg, VA, USA, 22-24 Oct. 1980, (*IEEE; Univ. Virginia; European Soc. Cardiology; et al*) [New York, USA: IEEE 1980] 48677, 48695–9, 48720–44, 52771–2, 52783–97, 52804, 52811

**Computing;** Vraona-Attiki, Greece, 14-27 Sept. 1980, [Geneva, Switzerland: CERN 1981] 48653–5

**Computing in high energy and nuclear physics;** Bologna, Italy, 9-12 Sept. 1980, (*Eur. Phys. Soc.; Italian Nat. Inst. Nucl. Phys.; Univ. Bologna*) [April 1981] 38447 (introductory abstract), 37736, 38440–3, 38448–50

**Control and its applications;** Coventry, England, 23-25 March 1981, [London, England: IEE 1981] 43586–7, 43854–5, 43954, 44072

**Control of undesirable static electricity;** Manchester, England, 12 Dec. 1979, [July 1981] 44583 (introductory abstract), 44653–6, 46828

**Cosmic gamma-ray bursts;** Toulouse, France, 26-29 Nov. 1979, [March 1981] 30381–3, 30490–1

- Cryogenically cooled sensor technology;** San Diego, CA, USA, 29-30 July 1980, [1980] 44587 (introductory abstract), 45186, 46594, 48092-9
- Crystal growth;** Moscow, USSR, 10-16 Sept. 1980, [*Acad. Sci. USSR; Internat. Assoc. Crystal Growth; et al*] [April 1981] 35555 (introductory abstract), 35934-6, 35948-50, 35967, 39771-5, 40395, 40500
- Crystal growth;** Moscow, USSR, 10-16 Sept. 1980, [*Acad. Sci. USSR; Internat. Assoc. Crystal Growth; et al*] [April 1981] 39734-42, 39776-80, 39808, 40396-7
- Crystal growth defects characterisation by X-ray methods;** Durham, England, 29 Aug. - 10 Sept. 1979, *B.K.Tanner, D.K.Bowen (editor/s)*, [New York, USA: Plenum 1980, \$65.00] 32054, 34117, 34550-1
- Custom integrated circuits;** Rochester, NY, USA, 11-13 May 1981, [*IEEE*] [New York, USA: IEEE 1981] 39298 (introductory abstract), 39381, 39998, 40073-9, 40202, 40337, 40364, 40621, 40676-84, 40694-5, 40720-9, 41519, 42495, 42586, 42615
- Data processing and information;** Paris, France, 15-19 Sept. 1980, [Paris, France: Convention Inf. 1980] 29477, 32866, 33584-5, 33753, 33823-9, 40674
- Decision sciences;** Las Vegas, NV, USA, 5-7 Nov. 1980, [Atlanta, GA, USA: American Inst. Decision Sci. 1980] 35597, 35662, 35702, 35720, 35732, 35793-4, 35857-64, 35890, 37710, 39417
- Defect-induced phenomena in semiconductors;** Krynica, Poland, 6-10 June 1980, [1981] 50741, 50750-2, 50770
- Design automation;** Nashville, TN, USA, 29 June - 1 July 1981, [*ACM; IEEE*] [New York, USA: IEEE 1981] 44601 (introductory abstract), 44670-1, 45196, 45412-35, 45770-80, 45791, 46236-68, 46290, 46326-38, 47502, 47928-31, 50997-8
- Design help for small firms;** London, England, 27 April 1981, [London, England: IEE 1981] 39373 (introductory abstract), 39374-80
- Designing microprocessor systems for testability and easy maintenance;** London, England, 24 Feb. 1981, [London, England: IEE 1981] 39392 (introductory abstract), 39393-5, 40072
- Digital satellite communications;** Genoa, Italy, 23-26 March 1981, [*IEEE; Int. Telecommun. Satellite Organ.; et al*] [New York, USA: IEEE 1981] 44597 (introductory abstract), 47093, 47162, 47228, 47600-54
- Digital signal processing;** Loughborough, Leics., England, 7-10 April 1981, [London, England: IERE 1981] 50525, 51791, 51808-11, 51843-7, 51866, 51882, 51887-9, 51936, 52015, 52247-9, 52275
- Discharges and electrical insulation in vacuum;** Eindhoven, Netherlands, 16-19 Sept. 1980, [*HOEC Switchgear Group; IOP; Philips Res. Lab.; et al*] [March 1981] 32477, 32489, 32526, 32537, 32550, 32921, 33376, 34413-14, 35272-4
- Distributed computing systems;** Paris, France, 8-10 April 1981, [*Inst. Nat. Recherche & Inf. Autom.; Lab. Recherche & Inf.; Paris-Sud Univ., Orsay*] [New York, USA: IEEE 1981] 37757-72, 37866, 38501
- Distribution switchgear up to 36 kV;** London, England, 13 April 1981, [London, England: IEE 1981] 44300 (introductory abstract), 43678-80, 44301-9
- Dosimetry methods for fuels, cladding and structural materials.I;** Ispra, Italy, 1-5 Oct. 1979, [*ASTM; Joint Res. Centre of the Comm. European Communities; et al*] [Luxembourg: Comm. European Communities 1980] 38439
- Dosimetry methods for fuels, cladding, and structural materials.II;** Ispra, Italy, 1-5 Oct. 1979, [*ASTM; Joint Res. Centre of the Comm. European Communities; et al*] [Luxembourg: Comm. European Communities 1980] 34488, 34517
- Dynamic performance of electro-mechanical systems;** London, England, 26 Jan. 1981, [London, England: IEE 1981] 44410 (introductory abstract), 43602, 43748, 44054, 44074, 44411-14, 44526
- Electric energy;** Brisbane, Australia, 17-18 May 1979, [Barton, ACT, Australia: Instn. Eng., Australia 1979] 31766 (introductory abstract), 33909, 34838, 35459-75
- Electric energy;** Sydney, Sydney, Australia, 13-17 Oct. 1980, [Barton, ACT, Australia: Instn. Eng. Australia 1981] 43481 (introductory abstract), 39338-9, 40291, 43572-85, 43621-3, 43669-75, 43683, 43712-15, 43742-5, 43761-2, 43800, 43809-10, 43953, 44030, 44109-11, 44176-80, 44224, 44294-8, 44477, 44524-5, 44575
- Electrical contacts;** Chicago, IL, USA, 29 Sept. - 1 Oct. 1980, [March 1981] 31754 (introductory abstract)
- Electrical energy;** Oklahoma City, OK, USA, 13-15 April 1981, [*IEEE*] [New York, USA: IEEE 1981] 49880 (introductory abstract), 52121, 52251, 52407, 53040-50, 53065, 53083, 53113-14, 53131-2, 53251, 53324-5, 53336, 53392, 53420-1, 53473, 53796
- Electrical engineering problems in rubber and plastics industries;** Akron, OH, USA, 6-7 April 1981, [*IEEE*] [New York, USA: IEEE 1981] 49546 (introductory abstract), 44741, 46561, 46861, 49006-7, 49475, 49547-8, 49731
- Electrical insulation and dielectric phenomena;** Boston, MA, USA, 26-29 Oct. 1980, [*IEEE; Sandia Lab S.A.Boggs, C.M.Cooke, R.J.Densley, J.K.Nelson, D.Turnquist, J.E.West, M.Zahn (editor/s)*, [Washington, DC, USA: Nat. Acad. Press 1980] 26775 (introductory abstract), 27198, 27884, 27888, 28147-8, 28177-87, 30222, 30241, 30755-7, 32012, 32100-4, 32139, 32896-7, 32904, 32917-20, 34362, 34365, 34878, 36702-7, 36712-14, 36722-4, 38792
- Electrical machines;** Brussels, Belgium, 11-13 Sept. 1978, [Brussels, Belgium: Katholieke Univ. Leuven 1978] 44602 (introductory abstract), 48074, 49419-20, 49430-9, 49458-74, 49480-4, 49487-510, 49522-6, 49644-6, 49761-2, 49805, 49892-9, 51565, 52461, 53346-52, 53374-91, 53403-19, 53446-72, 53481-7, 53490-1, 53498-501, 53533-5, 53705-17, 53753-4, 53784, 53801
- Electricity distribution;** Brighton, Sussex, England, 1-5 June 1981, [London, England: IEE 1981] 44605 (introductory abstract), 45724-6, 48985-95, 49018-22, 49035, 49057-8, 49088-98, 49121-4, 49143, 49147-53, 49161, 49182-4, 49196-200, 49294, 49542-5, 49588, 49630-9, 49806, 49829
- Electrochemistry progress;** Perth, WA, Australia, 18-22 Aug. 1980, *D.A.J.Rand, G.P.Power, I.M.Ritchie (editor/s)*, [Amsterdam, Netherlands: Elsevier 1981, \$102.50] 49877 (introductory abstract), 52565, 53595, 53603-9, 53645, 53752
- Electroheat - new techniques in the heat processing of materials using electricity;** London, England, 19 Jan. 1981, [London, England: IEE 1981] 44481 (introductory abstract), 44497-9, 44558-9
- Electromagnetic isotope separators and techniques related to their applications;** Zinal, Switzerland, 1-6 Sept. 1980, [1 July 1981] 48274, 48327-8, 48546-51, 48644, 48659-66, 50870, 52628, 52653-9, 52732
- Electron devices;** Washington, DC, USA, 8-10 Dec. 1980, [*IEEE*] [New York, USA: IEEE 1980] 28045, 32877
- Electronic components;** Atlanta, GA, USA, 11-13 May 1981, [*IEEE; Electron. Ind. Assoc.*] [New York, USA: IEEE 1981] 44718 (introductory abstract), 44604, 44697-9, 44719-22, 44740, 44766-7, 45130, 45157, 45310, 45438, 45700, 45713-14, 45720-3, 45741, 45753-7, 45805, 45808-11, 45817-24, 45832-41, 45844-8, 45918, 46065, 46108, 46182, 46269-76, 46291, 46339, 46555-60, 46569-72, 46820, 47932-3, 48076, 48272, 49181
- Electronic filters;** London, England, 7 April 1981, [London, England: IEE 1981] 39296 (introductory abstract), 39883-5, 40107, 40142
- Electrostatics;** The Hague, Netherlands, 6-8 May 1981, [May 1981] 35556 (introductory abstract), 35609-12, 35983, 36699-701, 36710-11, 37256-7, 37270-82, 38286, 39266
- EM effects of carbon composite materials upon avionic systems;** Lisbon, Portugal, 16-19 June 1980, *F.S.Stringer (editor/s)*, [Neuilly-sur-Seine, France: AGARD 1980] 31768 (introductory abstract), 32091-7, 33365-74, 33406, 34668
- Energy alternatives for the year 2000;** Erice, Italy, 1-11 Sept. 1979, *R.Wilson (editor/s)*, [New York, USA: Plenum 1980] 38635, 38926, 39132
- Energy conversion;** Seattle, WA, USA, 18-22 Aug. 1980, [*ASME; AIAA; IEEE; et al*] [New York, USA: AIAA 1980] 26890, 27755-7, 28828, 30515-28, 30530, 30653, 30758, 30865, 30914-16, 30941-4, 30974-5, 31038-9, 31057, 31068-75, 31092, 31109-32, 31146-55, 31215-16, 31253, 31339, 31407-37, 31439-41, 31464-8, 31471, 31474-86, 31490-5, 31582-4, 31661, 31680, 31694
- Engineering education, 1980;** Brisbane, Australia, 17-19 Sept. 1980, [Barton, ACT, Australia: Instn. Eng. Australia 1980] 26773 (introductory abstract), 26805-22, 31779-87
- Engineering in health care;** Washington, DC, USA, 28-30 Sept. 1980, [July 1981] 39272 (introductory abstract), 43302, 43335-6, 43372, 43378
- Engineering management;** Sydney, Australia, 1-2 July 1981, [Barton, ACT, USA: Inst. Eng., Australia 1981] 49900-1, 49918-30, 49984, 53034, 53283
- Engineering management, Wakefield;** Wakefield, MA, USA, 12-14 Nov. 1980, [*IEEE*] [New York, USA: IEEE 1980] 31764 (introductory abstract), 31804-28, 31833-6, 31841, 31911, 33784, 35507-8
- Environmental impact of nuclear power;** London, England, 1-2 April 1981, [London, England: British Nucl. Soc 1981] 38865, 38891
- Environmental services for computers;** London, England, 31 March 1981, [London, England: Chartered Inst. Building Services 1981] 35623, 36089-90
- Equatorial aeronomy;** Aguadilla, Puerto Rico, 17-23 July 1980, [*Int. Union Geodesy & Geophys.; Int. Assoc. Geomagnetism & Aeronomy; et al*] [May-June 1981] 46882
- EUROCON'80;** Stuttgart, Germany, 24-28 March 1980, [*EUREL; IEEE; VDE*] *W.A.Kaiser, W.E.Proebster (editor/s)*, [Amsterdam, Netherlands: North-Holland 1980, \$70.75] 26774, 27286, 27450-60, 27482, 27516-17, 27529, 27621, 27988, 28003-4, 28014, 28038-40, 28068-72, 28095, 28585, 28942, 29104, 29138-9, 29194-5, 29266, 29305-8, 29359-60, 29375-7, 29388, 29404, 29440-2, 29497-8, 29506-7, 29553-61, 29578, 29647-8, 29759-62, 29854, 29883-7, 29955, 29997, 30108-11, 30210-11, 30393, 30402-3, 30430-1, 30462-3, 30475, 30479, 30497, 30649-52, 30703, 30736, 30799, 30819-20, 30833-9, 30851, 31267, 31381-2, 31391, 31521-6, 31580-1, 31610-12, 31679, 31693, 32290, 33868, 34277, 35259-60, 35419
- Evoked response audiometry;** Munster, Germany, March 1979, [1980] 35562 (introductory abstract), 38514-15, 38521, 38534, 43314
- Experimentation at LEP;** Uppsala, Sweden, 15-20 June 1980, [April 1981] 35557 (introductory abstract), 38349-50, 38429-35, 38445-6, 38452, 38457, 43217-27, 43266
- Experimentation at LEP;** Uppsala, Sweden, 15-20 June 1980, [April 1981] 42858, 43228-51, 43256, 48624
- Fault tolerant computing;** Portland, ME, USA, 24-26 June 1981, [*IEEE*] [New York, USA: IEEE 1981] 50999 (introductory abstract), 50063-4, 51792
- Fracture analysis;** Johannesburg, South Africa, 7-9 Nov. 1979, *G.G.Garrett, D.L.Marriott (editor/s)*, [Oxford, England: Pergamon 1980, \$60.00] 45156
- French EEG and clinical neurophysiology;** Paris, France, 7-8 June 1979, [Jan. 1981] 44581 (introductory abstract)
- Future energy concepts;** London, England, 27-30 Jan. 1981, [London, England: IEE 1981] 49207 (introductory abstract), 44636-8, 49125, 49220, 49266-7, 49295-8, 49302-4, 49317, 49330, 49332-5, 49364-7, 49388-91, 49651, 49664, 49707-10, 49763, 49808, 53038-9, 53158, 53250, 53303-5, 53323, 53331-5
- Gallium arsenide and related compounds;** Vienna, Austria, 22-24 Sept. 1980, [*European Res. Office of the US Army, Air Force and Navy*] *H.W.Thim (editor/s)*, [Bristol, England: IOP 1981] 49879 (introductory abstract), 50293-304, 50333, 50788-93, 50875, 50954, 51259, 51483
- Geothermal energy research in Europe;** Strasbourg, France, 4-6 March 1980, *A.S.Strub, P.Ungemach (editor/s)*, [Dordrecht, Netherlands: Reidel 1980, Dfl120.00] 34706-9, 38912, 53290-5
- Graphite intercalation compounds;** Provincetown, MA, USA, 19-23 May 1980, [*US Army Res. Office; NSF; et al*] [April 1981] 44327
- Health care instrumentation;** Rome, Italy, 6-8 Feb. 1980, [*IFIP; Consiglio Nazionale delle Ricerche; et al*] *F.Pinciroli, J.Anderson (editor/s)*, [Amsterdam, Netherlands: North-Holland 1981, \$44.00] 49878 (introductory abstract), 50524, 52750, 52755-6, 52769-70, 52777-82
- Helicopter guidance and navigation systems;** London, England, 12 Jan. 1981, [London, England: IEE 1981] 39292 (introductory abstract), 42357-63, 43412-13
- High energy accelerators;** Geneva, Switzerland, 7-11 July 1980, [*IUPAP*] *W.S.Newman (editor/s)*, [Basel, Switzerland: Birkhauser Verlag 1980] 39284 (introductory abstract), 42861-79, 43142, 48310-23, 48455-535, 48569-75
- High energy physics 1980;** Madison, WI, USA, 17-23 July 1980, [1980] 38323, 38352, 43258-9
- High temperature electronics;** Tucson, AZ, USA, 25-27 March 1981, [*IEEE; NASA; NSF; et al*] [New York, USA: IEEE 1981] 35566 (introductory abstract), 36314-15, 36348, 36367, 36414, 36416, 36430-1, 36491, 36499, 36528, 36575-6, 36594, 36607, 36644, 36672-4, 36696, 36720, 36726, 37721, 38554, 38561, 38880-1, 38907, 39072, 39108
- High voltage switching equipment;** Sydney, Australia, 29-30 May 1979, [Barton, ACT, USA: Instn. Eng., Australia 1979] 31767 (introductory abstract), 34839, 34868-9, 34900, 35295-321
- Human biostereometrics;** Paris, France, 9-13 July 1978, [*SPIE*] *A.M.Coblentz, R.E.Herron (editor/s)*, [Bellingham, WA, USA: SPIE 1980] 38497-500
- Hypernuclear and low energy kaon physics;** Jablonna, Poland, 10-15 Sept. 1979, [1980] 45590
- Image analysis techniques and applications;** Tucson, AZ, USA, 6-9 Jan. 1981, *P.N.Slater, R.F.Wagner (editor/s)*, [Washington, DC, USA: Soc. Photographic Sci. Eng. 1981] 44598 (introductory abstract)
- Image formation from coherence functions in astronomy;** Groningen, Netherlands, 10-12 Aug. 1978, [*IAU; Netherlands Found. Radio Astron.; et al*] *C.Van Schooneveld (editor/s)*, [Dordrecht, Netherlands: Reidel 1979] 34025

- Image processing for missile guidance;** San Diego, CA, USA, 29 July - 1 Aug. 1980, [1980] 44585 (introductory abstract), 47244-6, 47712, 47752, 47954-64, 48782-4, 48799-819, 48841-2, 48876, 48886-93
- Impulse noise effects on hearing;** Malmo, Sweden, 25-27 Aug. 1980, [1980] 43315-16
- Information display technology;** New York, USA, 28-30 April 1981, [Los Angeles, CA, USA: SID 1981] 44599 (introductory abstract), 45870-5, 45879-83, 46591-2, 46650-2, 46657, 46845, 47253-4, 47350, 47360, 47373, 47728, 47828, 48002-5, 48156, 48171-80, 48826-7, 50953, 51573, 52233, 52402-5, 52519, 52539-48, 52874
- Information theory;** Santa Monica, CA, USA, 9-12 Feb. 1981, [IEEE; *Union Radio Sci. Int.*] [New York, USA: IEEE 1981] 31771 (introductory abstract), 31921, 31929-30, 31938, 31954-5, 32007-8, 32238, 33421-73, 33476-9, 33496-567, 33594-8, 33660-78, 33691-6, 33712-15, 33740, 33830-2, 33875, 33899-900, 33962, 34002-4, 34012-13, 34017, 35729, 35869, 37391-7, 37427-9, 37561-84, 37673-7, 37889, 37962, 39561-2
- Infrared sensors and instruments;** San Diego, CA, USA, 29-30 July 1980, [1980] 44588 (introductory abstract), 45867, 46598-9, 46768, 47965-8, 48100-6, 48785, 48858-60
- Infrared systems;** Huntsville, AL, USA, 30 Sept. - 1 Oct. 1980, [1980] 49855 (introductory abstract), 52356-8, 52394-5, 52472-80, 52551
- Instrumentation and automation in the paper, rubber, plastics and polymerisation industries;** Ghent, Belgium, 3-5 June 1980, [IFAC] *A. Van Cauwenbergh* (editor/s), [Oxford, England: Pergamon 1980, \$120.00] 52488, 52584, 52612, 52952, 53845-7
- Integrated optics and optical fiber communication;** San Francisco, CA, USA, 27-29 April 1981, [IEEE; *Opt. Soc. America*] [New York, USA: IEEE 1981] 35563 (introductory abstract), 36338, 36893-959, 36966-72, 36989-90, 37041-3, 37046, 37151-71, 37219-20, 37237, 37918-49, 38161, 38188, 40928-49, 40961-2, 41019, 41102-11, 42248-55, 42581-3, 42610-11, 46566
- INTERNEPCON U.K.'80;** Brighton, England, 14-16 Oct. 1980, [Surbiton, Surrey, England: Kiver Commun. S.A. 1980] 26776 (introductory abstract), 26898-900, 26918-19, 26924-30, 26940-7, 26962-3, 27181, 27651, 27674-5, 27681, 27684-5, 27697-706, 27718, 27722-7, 27731, 27738-9, 27917, 27938, 27960, 27969, 28073-5, 28121-2, 28484-7, 28943, 29763-4, 29988, 30188, 31613-14
- Ion and plasma assisted techniques;** Amsterdam, Netherlands, 30 June - 2 July 1981, [*European Phys. Soc.; IOP; Metals Soc.; Welding Inst.*] [19 June 1980] 49858 (introductory abstract), 50291, 50308, 50322-32, 51028, 51142-3, 52483, 52971
- Ion beam modification of materials;** Albany, NY, USA, 14-18 July 1980, [15 April - 1 May 1981] 35955, 36524-5, 36557-9, 40503-5
- Ion beam modification of materials;** Albany, NY, USA, 14-18 July 1980, [15 April - 1 May 1981] 36461, 36480, 36560-3, 36879, 39805, 40406-8, 40425, 40506-10, 40880
- Laboratory EXAFS facilities and their relation to synchrotron radiation sources;** Seattle, WA, USA, 28-30 April 1980, [1980] 31751 (introductory abstract), 34518-43
- Large-scale energy system modelling;** Laxenburg, Austria, 25-29 Feb. 1980, [IIASA; IFAC] *W. Hafele, L.K. Kirchmayer* (editor/s), [Oxford, England: Pergamon 1981, \$70.00] 30863 (introductory abstract), 26849-55, 26858-9, 30664-6, 30864, 31829, 31837-8, 32005-6, 34799-801, 34970, 34981-3, 35005-7
- Large scale integration;** Baden-Baden, Germany, 16-18 March 1981, [1981] 39279 (introductory abstract), 39806, 40054-8, 40102, 40193, 40493, 40559, 40653-64, 40692, 40713-17, 42526, 45398-9, 46210, 46319-20, 47150, 47333, 47492, 47780-1
- Lasers and electro-optics;** Washington, DC, USA, 10-12 June 1981, [New York, USA: IEEE 1981] 44596 (introductory abstract), 46546-50, 46580, 46697-700, 46717-20, 46759-60, 46796-801, 48862-5, 50726, 51210-11, 51223, 51230, 51236, 51246, 51282-4, 51294, 51383-95, 51403, 51432-3, 51479-82, 51493-4, 51509, 51527-8, 51549-51, 52120, 52485-6, 52606
- Layered materials, physics and chemistry;** Sendai, Japan, 8-10 Sept. 1980, [May 1981] 45966-7, 46617-18, 49660, 53600-1
- Lessons learned from recent major incidents in the CEBG;** London, England, 3 April 1981, [London, England: IEE 1981] 39294 (introductory abstract), 43856, 43905, 44055, 44075, 44299
- Liquid crystal conference;** Kyoto, Japan, 30 June - 4 July 1980, [1981] 39276 (introductory abstract), 40974, 42704-5, 48163
- Liquid crystal conference;** Kyoto, Japan, 30 June - 4 July 1980, [1981] 52531-2
- Liquid crystal conference;** Kyoto, Japan, 30 June - 4 July 1980, [1981] 52533-6
- Long focal length, high altitude standoff reconnaissance;** San Diego, CA, USA, 29-30 July 1980, [1980] 44586 (introductory abstract), 48820-2, 48894-908
- Low dimensional solids;** Tomar, Portugal, 26 Aug. - 7 Sept. 1979, *L. Alcazer* (editor/s), [Dordrecht, Netherlands: Reidel 1980] 27715, 27849, 27937
- Low-energy ion beams;** Bath, England, 14-17 April 1980, *I.H. Wilson, K.G. Stephens* (editor/s), [Bristol, England: IOP 1980, \$85.00] 35565 (introductory abstract), 35961, 35976, 36412, 36564, 36572-3, 38351, 38363-9, 38391-410, 42880, 43143-4
- Magnet technology;** Karlsruhe, Germany, 30 March - 3 April 1981, [Sept. 1981] 49852 (introductory abstract), 51092, 51100-1, 51111-34, 51138, 51574-5, 52638-45, 52739, 53363
- Magnetism and magnetic materials;** Dallas, TX, USA, 11-14 Nov. 1980, [AIP; IEEE] [March 1981] 39274 (introductory abstract), 40818-21, 45127, 45131, 45956-7, 46380, 46385-92, 46395-400, 46414-16, 46425-32, 46434-6, 46443-57, 46462-3, 46832, 48207, 48684, 49416
- Materials for advanced batteries;** Aussois, France, 9-14 Sept. 1979, [*NATO*] *D.W. Murphy, J. Broadhead, B.C.H. Steele* (editor/s), [New York, USA: Plenum 1980, \$39.50] 44328 (introductory abstract), 44329-51
- Mathematical programming;** Oberwolfach, Germany, 6-12 May 1979, [Jan. 1981] 44998 (introductory abstract), 35847-9
- Measurement at millimetre wavelengths;** London, England, 14 May 1981, [London, England: IEE 1981] 44607 (introductory abstract), 48191-4, 48218-24
- Medical informatics;** Tokyo, Japan, 29 Sept. - 4 Oct. 1980, *D.A.B. Lindberg, S. Kaihara* (editor/s), [Amsterdam, Netherlands: North-Holland 1980, \$170.75] 41938, 41980, 42450, 43278, 43287-93, 43320-7, 43350-65, 43377, 43381-2, 43393, 47362, 48719
- Microcomputer aided design;** London, England, 13 May 1981, [London, England: IEE 1981] 39858, 40301, 44453
- Microelectronics;** Munich, Germany, 10-12 Nov. 1980, [Munich, Germany: Munchener Messe-und Ausstellungen GmbH 1980] 28037
- Microprocessor systems;** London, England, 16-18 Sept. 1980, *M. Sami, L. Thompson, K. Hanna, L. Mezzalana* (editor/s), [Amsterdam, Netherlands: North-Holland 1980, \$53.75] 27059, 27368, 29439, 29478, 29552, 30470, 31252
- Microwave components for high performance antennas;** London, England, 3 March 1981, [London, England: IEE 1981] 39293 (introductory abstract), 40228, 41402, 41434, 41447-9, 42221, 42333-4
- Microwave measurement;** London, England, 20 May 1981, [London, England: IEE 1981] 39301 (introductory abstract), 42533-4, 42719, 42721-3, 42732-7
- Microwave technology;** Los Angeles, CA, USA, 15-19 June 1981, [IEEE] *J.E. Raue* (editor/s), [New York, USA: IEEE 1981] 44603 (introductory abstract), 45208-9, 45219-21, 45309, 45326, 45344, 45436-7, 45578, 45595-7, 45612-31, 45634-6, 45652-99, 45740, 45859-60, 45866, 46107, 46176-81, 46373-7, 46438-9, 46551-4, 46567-8, 46581, 46761, 46982, 46996-7004, 47035, 47062-3, 47073-4, 47230, 47538-9, 47570-1, 47656-9, 47696-7, 47731-8, 47772, 47789, 48027-30, 48075, 48158, 48217, 48257, 48692-4, 48749-51, 49363
- Millimeter optics;** Huntsville, AL, USA, 1-2 Oct. 1980, [1980] 48108 (introductory abstract), 45649, 45858, 45968, 46092, 46691, 46888-93, 47067, 47713, 47724-5, 47994-7, 48109-12, 48190, 48216, 48824
- Miniaturization limits;** Lausanne, Switzerland, 7-9 Oct. 1980, [Lausanne, Switzerland: Swiss Federal Inst. Technol. 1980, Sfr.50.00] 28247
- Model parameters for circuit analysis;** London, England, 27 March 1981, [London, England: IEE 1981] 39295 (introductory abstract), 39856-7, 40070-1, 40530, 40566-7, 40620, 42565
- Modern utilization of infrared technology VI;** San Diego, CA, USA, 31 July - 1 Aug. 1980, [1980] 39280 (introductory abstract), 41687-90, 42546-54, 42626, 47951-3, 48795-8, 48857, 52393
- Mosaic focal plane methodologies;** San Diego, CA, USA, 29-30 July 1980, [1980] 44589 (introductory abstract), 46622, 47969-93, 48107, 48823
- Multipath interference in radio, radar and sonar systems;** London, England, 11 May 1981, [London, England: IEE 1981] 44608 (introductory abstract), 46378, 46943-8, 47572, 47715-16, 48878-9
- Narrow gap semiconductors, physics and applications;** Nimes, France, 3-15 Sept. 1979, *W. Zawadzki* (editor/s), [Berlin, Germany: Springer-Verlag 1980] 35941, 36485, 36497-8, 37097, 37221
- New developments and applications in optical radiation measurement;** Teddington, Middx., England, 7-8 May 1980, [1980] 31758 (introductory abstract), 33265, 34289-94
- Nuclear and space radiation effects;** Ithaca, NY, USA, 15-18 July 1980, [IEEE; *Cornell Univ.; et al.*] [Dec. 1980] 27873, 28107-8
- Nuclear and space radiation effects;** Ithaca, NY, USA, 15-18 July 1980, [IEEE; *Cornell Univ.; et al.*] [Feb. 1981] 28934
- Nuclear physics;** Lyon, France, 2-6 Feb. 1981, [Lyon, France: Inst. Phys. Nucl. 1981] 52623-7, 52717
- Nuclear physics international conference;** Berkeley, CA, USA, 24-30 Aug. 1980, [IUPAP; NSF; US Dept. Energy] [23 Feb. 1981] 30310, 30335
- Nuclear power systems and nuclear science symposium;** Orlando, FL, USA, 5-7 Nov. 1980, [IEEE; *Power Eng. Soc.; Oak Ridge Nat. Lab.; et al.*] [Feb. 1981] 31847, 32363, 32536, 32582-90, 33603, 34014, 34192, 34220, 34230-1, 34251, 34284-6, 34387, 34422-74, 34489-90, 34496-512, 34514-15, 34545-8, 34572-93, 34621, 34690, 34712, 34814, 34907, 34992-3, 34995, 35010-13
- Ocular effects of non-ionizing radiation;** Washington, DC, USA, 7 April 1980, [1980] 30483-4, 30488
- Online meeting 1981;** New York, USA, 24-26 March 1981, [*Online Rev*] *M.E. Williams, T.H. Hogan* (editor/s), [Medford, NJ, USA: Learned Information Inc. 1981, £20.00] 47363 (introductory abstract), 47364, 51927, 51943
- Operations research, 1980;** Cologne, Germany, 25-27 Aug. 1980, [1981] 44667, 44897-906, 44943-78, 47748, 48933, 49060
- Operations research, 1980;** Cologne, Germany, 25-27 Aug. 1980, [1981] 44742, 44768, 44799, 44808-16, 44839-40, 44907, 44979-82, 47164, 48934, 50112
- Optical alignment;** San Diego, CA, USA, 29-31 July 1980, [1980] 44584 (introductory abstract), 46596, 46757-8, 46767, 46778-81, 48794
- Optical computing;** Washington, DC, USA, 8-9 April 1980, [*SPIE; IEEE*] [1980] 26768 (introductory abstract), 28806-10, 29031, 29184-5, 29220-2, 29809, 29826-7, 30053, 30420-4, 30933
- Optical computing;** Washington, DC, USA, 8-9 April 1980, [*SPIE; IEEE*] [1980] 28469-70, 28540-1, 28544, 28551, 29223-7, 30054
- Optical fiber measurements;** Boulder, CO, USA, 28-29 Oct. 1980, [*NBS*] *G.W. Day, D.L. Franzen* (editor/s), [Washington, DC, USA: NBS 1980, \$5.50] 26781 (introductory abstract), 28488-511, 29766-8, 30061
- Optical fibre communication systems, test equipment;** London, England, 28 May 1981, [London, England: IEE 1981] 39300 (introductory abstract), 40950-6, 42283
- Optical fibre systems;** London, England, 29 May 1981, [London, England: IEE 1981] 39299 (introductory abstract), 42271-82
- Optical storage materials;** Ossining, NY, USA, 18 Nov. 1980, [*American Vacuum Soc.; SPIE*] [Jan.-Feb. 1981] 31755 (introductory abstract), 33018-21, 34100-4
- Optics to the year 2000;** Huntsville, AL, USA, 30 Sept. 1980, [1980] 31757 (introductory abstract), 33014, 33055, 33081, 33169, 34288, 34346, 34639, 34977
- Optomechanical systems design;** San Diego, CA, USA, 31 July 1980, [1980] 38137-9, 38465
- Pattern recognition;** Miami Beach, FL, USA, 1-4 Dec. 1980, [*Int. Assoc. Pattern Recognition; IEEE*] [New York, USA: IEEE 1980] 27060, 27089, 27222, 27686, 28079-80, 29105-6, 29140-4, 29196-201, 29788-9, 30059-60, 30432-3, 30464-5, 30502, 30918, 30945-7
- Pattern recognition in practice;** Amsterdam, Netherlands, 21-23 May 1980, [*E.S. Gelsema, L.N. Kanal* (editor/s)], [Amsterdam, Netherlands: North-Holland 1980, \$78.00] 47255, 47730
- Periodic structures, gratings, moire patterns, and diffraction phenomena;** San Diego, CA, USA, 29 July - 1 Aug. 1980, [1980] 49856 (introductory abstract),
- Photopolymers;** Ellenville, NY, USA, 10-12 Oct. 1979, [Nov. 1980] 31759 (introductory abstract), 32744-8
- Photovoltaic solar energy;** Cannes, France, 27-31 Oct. 1980, *W. Palz* (editor/s), [Dordrecht, Netherlands: Reidel 1981, \$81.50] 53653 (introductory abstract), 50310-16, 50334, 53035-7, 53319-22, 53654-89
- Physics in the automotive industry;** Detroit, MI, USA, 15-16 May 1980, [*APS; American Assoc. Phys. Teachers*] [1980] 31752 (introductory abstract), 33150, 33225, 34225, 34241, 35422
- Physics of condensed matter;** Ohrid, Yugoslavia, 5-19 Sept. 1980, [1980] 36424, 36488, 36502, 36620-1, 37285
- Physics of semiconductors;** Kyoto, Japan, 1-5 Sept. 1980, [1980] 27145-6, 27787, 27804-5, 27835, 27843-4, 27853, 27859-60, 27879, 28028-30, 28162-3, 28553-4, 28774-5
- Picosecond phenomena;** Cape Cod, MA, USA, 18-20 June 1980, [*R. Hochstrasser, W. Kaiser, C.V. Shank* (editor/s)], [Berlin, Germany: Springer-Verlag 1980, \$40.80] 26780 (introductory abstract), 28529, 28563, 28586-8, 28674-8, 28701-4, 28734-8, 33123, 33285-6

**PM** - the new dimension in component quality; London, England, 3 June 1981, [London, England: IEE 1981] 39420 (introductory abstract), 39421-9

**Point processes and queuing problems**; Debrecen, Hungary, 4-8 Sept. 1978, [Amsterdam, Netherlands: North-Holland 1981, \$63.50] 50111 (introductory abstract)

**Polarisation in nuclear physics**; Santa Fe, NM, USA, 1980, [1980] 42881-2, 43145-71, 43199-201, 43268, 48538

**Power electronics**; Boulder, CO, USA, 29 June - 3 July 1981, (*IEEE*) [New York, USA: IEEE 1981] 53536 (introductory abstract), 50272, 50375, 50427-9, 50644, 50656, 51631, 52851, 52915-16, 53537-63

**Power engineering**; Minneapolis, MN, USA, 13-18 July 1980, (*IEEE*) [New York, USA: IEEE 1980] 26784 (introductory abstract), 31790-1, 33916, 33930, 34761-89, 34802-9, 34826-33, 34840-2, 34844, 34870, 34879-89, 34901-4, 34934-6, 34946-50, 34960-3, 34971, 34984, 35019, 35062, 35088-90, 35104, 35109, 35117-19, 35134-7, 35152-9, 35175-7, 35235-9, 35322-3, 35398-400, 35420-1, 35515, 36715, 36725, 36865-94, 36899, 38712-16, 38723, 38728-33, 38747-52, 38766-7, 38776-86, 38793-4, 38797-8, 38818-24, 38838-9, 38960-1, 38994, 39032-9, 39073, 39093-100, 43592-6, 43684, 43746-7, 44050-3, 44073, 44181

**Power generation, 1980**; Phoenix, AZ, USA, 28 Sept. - 2 Oct. 1980, (*IEEE*) [New York, USA: IEEE 1981] 44600 (introductory abstract), 44765, 48983-4, 49179-80, 49233, 49264-5, 49291-3, 49320, 49329, 49344, 49387, 49586, 49629

**Power generation and utilization**; Suceava, Rumania, 6-7 Nov. 1980, [Feb.-March 1981] 48927 (introductory abstract)

**Practical electro-optical instruments and techniques**; Huntsville, AL, USA, 30 Sept. - 2 Oct. 1980, [1980] 26769 (introductory abstract)

**Precision positioning and inertial guidance sensors**; London, England, 14-17 Oct. 1980, [Neuilly-sur-Seine, France: AGARD 1981] 52164

**Protection against non-ionising radiation**; Rome, Italy, 19-20 April 1979, [1980] 34643

**Public utilities forecasting**; Nottingham, England, 25-29 March 1980, *O.D.Anderson (editor/s)*, [Amsterdam, Netherlands: North-Holland 1980, \$39.00] 26847-8, 29358

**Pulp and paper industry technical conference**; Mobile, AL, USA, 5-8 May 1981, (*IEEE*) [New York, USA: IEEE 1981] 35568 (introductory abstract), 35624, 38799-800, 38825, 38962, 39040-1, 39101, 39257-60

**Quantum electronics**; Poona, India, 1-3 Jan. 1981, (*Dept. Atomic Energy Gov. India*) [Bombay, India: Dept. Atomic Energy Gov. India 1981] 39285 (introductory abstract)

**Radiation research**; Tokyo, Japan, 13-19 May 1979, *S.Okada, M.Imamura, T.Terashima, H.Yamaguchi (editor/s)*, [Tokyo, Japan: Japanese Assoc. Radiat. Res. 1979] 30294

**Railroad**; Atlanta, GA, USA, 28-30 April 1981, [New York, USA: IEEE 1981] 49764 (introductory abstract), 49010, 49765-71

**Real-time medical image processing**; Tokyo, Japan, 31 Oct. - 4 Nov. 1978, *M.Onoe, K.Preston Jr., A.Rosenfeld (editor/s)*, [New York, USA: Plenum 1980, \$35.00] 48691

**Real time signal processing III**; San Diego, CA, USA, 29-30 July 1980, [1980] 39281 (introductory abstract), 39728, 40826, 41691-715, 41812-17, 42243, 42574

**Real-time three-dimensional viewing**; London, England, 20 Jan. 1981, [London, England: IEE 1981] 39290 (introductory abstract), 42420, 42425, 42556, 43331

**Receiver protection devices**; London, England, 28 April 1981, [London, England: IEE 1981] 44606 (introductory abstract), 44664, 45701, 46109, 46183, 47739-44

**Robot vision and sensory controls**; Stratford-upon-Avon, England, 1-3 April 1981, (*IFS (Conferences) Ltd*) [Kempston, Bedford, England: IFS (Conferences) Ltd 1981] 50038, 51552-3, 52269-74, 52460, 52487, 52582

**Role of electro-optics in photovoltaic energy conversion**; San Diego, CA, USA, 31 July - 1 Aug. 1980, [1980] 35368 (introductory abstract), 34369, 35369-90

**Rural electric power**; Atlanta, GA, USA, 26-28 April 1981, (*IEEE*) [New York, USA: IEEE 1981] 48931 (introductory abstract), 49008-9, 49099-102, 49126, 49154, 49185-6, 49549

**SEASAT-SAR processor**; Frascati, Italy, 10-14 Dec. 1979, (*ESA*) [Paris, France: ESA 1980] 26777 (introductory abstract), 29802-6, 30537-41, 30558-64

**Security criteria in the planning and operation of supply systems**; London, England, 5 Feb. 1981, [London, England: IEE 1981] 48930 (introductory abstract), 48996-8, 49023, 49036-7

**Semi-insulating III-V materials**; Nottingham, England, April 1980, (*IOP G.J.Rees (editor/s)*, [Orpington, Kent, England: Shiva Publishing Ltd. 1980] 26778 (introductory abstract), 27103-5, 27134-5, 27815-33, 27866, 27939, 28041-4, 28123, 28560-2, 28567-8, 33122

**Semiconductor lasers**; Brighton, England, 8-10 Sept. 1980, (*IEEE*) [May 1981] 35553 (introductory abstract), 37102-32, 37134-7, 41089-90

**Shuttle pointing of electro-optical experiments**; Los Angeles, CA, USA, 10-13 Feb. 1981, [1981] 46578 (introductory abstract)

**Shuttle/spacelab transportation system and utilization**; Hannover, Germany, 28-30 April 1980, (*AAS; Deutsche Messe- und Ausstellungen - AG*) *D.E.Koelle, G.V.Builer (editor/s)*, [San Diego, CA, USA: Univelt Inc. 1981] 43398 (introductory abstract)

**Signal processing theory and applications**; Lausanne, Switzerland, 16-18 Sept. 1980, *M.Kunt, F.De Coulon (editor/s)*, [Amsterdam, Netherlands: North-Holland 1980, \$73.25] 27006, 27051, 27449, 29193, 32326-7, 32357, 32888, 33586-9, 33654-7, 33855, 34629

**Simulation**; Orlando, FL, USA, 3-5 Dec. 1980, (*AIEE; ACM; IEEE, ORSA; et al*) *T.I.Oren, C.M.Shub, P.F.Roth (editor/s)*, [New York, USA: IEEE 1980] 31912, 31931-2, 31944, 32318, 33833-4, 34810, 35548

**Simulation, 14th annual**; Tampa, FL, USA, 17-20 March 1981, (*ACM; IEEE; SCS; IMACS*) [Morton, IL, USA: Annual Simulation Symposium 1981] 33961

**Simulation of systems 79**; Sorrento, Italy, 24-28 Sept. 1979, *L.Dekker, G.Savastano, G.C.Vansteenkiste (editor/s)*, [Amsterdam, Netherlands: North-Holland 1980, \$146.25] 27083-5, 30189, 30471, 30917

**Small particles and inorganic clusters**; Lausanne, Switzerland, 8-12 Sept. 1980, [May 1981] 45125

**Smart sensors II**; San Diego, CA, USA, 31 July - 1 Aug. 1980, [1980] 35559 (introductory abstract), 38140-2, 38183, 38203-8

**Software engineering for control and protection equipment in transmission and distribution substations**; London, England, 29 April 1981, [London, England: IEE 1981] 48999 (introductory abstract), 49000-5

**Software engineering for telecommunication switching systems**; Coventry, England, 20-24 July 1981, [London, England: IEE 1981] 42094 (introductory abstract), 41983, 42035, 42095-126

**Software technology advances**; Gaithersburg, MD, USA, 28 May 1981, (*IEEE; NBS*) [New York, USA: IEEE 1981] 41988-9

**Solid-state circuits**; New York, USA, 18-20 Feb. 1981, (*IEEE; Univ. Pennsylvania*) [New York, USA: IEEE 1981] 26783 (introductory abstract), 27287, 27326-9, 27346, 27469-76, 27484, 27518-19, 27589-91, 27622-6, 28005, 28046, 28081-6, 28096-100, 28125-35, 28273, 29145, 29781, 29891, 29915, 29939-40, 30023, 30112-13, 30137, 30480, 32215-17, 32305-17, 32331, 32345, 32404, 32841, 32889, 33869-74, 33897

**Solid-state circuits, Grenoble**; Grenoble, France, 15-18 Sept. 1981, [June 1981] 39270 (introductory abstract), 39900, 40033-6, 40089-90, 40099, 40110, 40184-5, 40831, 41012, 41531, 42021, 42056, 42395-6

**Solid state devices**; Tokyo, Japan, 26-27 Aug. 1980, [1981] 39275 (introductory abstract), 39809, 39817, 40050, 40387, 40420-1, 40444, 40452, 40489-91, 40555, 40557, 40571-2, 40598-9, 40648, 40690, 40709-10, 40861-5, 40993, 42540, 42624, 44366, 45087-9, 45396, 45907, 45929, 45947, 46015, 46056, 46157-8, 46286-7, 46313-16, 46525-6, 46562, 46649, 46743, 46807, 49688

**Solid-state devices**; York, England, 15-18 Sept. 1980, (*European Phys. Soc.; Dutch Phys. Soc.; German Phys. Soc; et al*) *J.E.Carroll (editor/s)*, [Bristol, England: IOP 1981] 35564 (introductory abstract), 35960, 36469, 36550, 36574, 36581, 36643, 36671, 36695, 38250

**SOUTHEASTCON 1981**; Huntsville, AL, USA, 5-8 April 1981, (*IEEE*) [New York, USA: IEEE 1981] 39287 (introductory abstract), 39324-6, 39340, 39418, 39660, 39705-7, 39722-3, 39731, 39807, 39864, 39878, 39927, 39964, 39975, 40066-9, 40104-6, 40141, 40214-15, 40236, 40327, 40336, 40524, 40547, 40619, 40675, 40790, 40848, 41020, 41222-3, 41258-60, 41267-9, 41286, 41398-9, 41409, 41486-7, 41518, 41778-87, 41835, 41852-3, 42204, 42219, 42224-5, 42301-3, 42311-32, 42408, 42585, 42612-14, 42632, 42716, 42730, 42752, 43264, 43294-7, 43330, 43366, 43369, 43397, 43403-6, 43409-11, 43458, 43462-3, 43470-1, 43475, 43597-601, 43676-7, 43716, 44112-13, 44385, 44449-51, 44508, 44515, 44564, 44569, 44571, 44578, 47229

**Spectrometry of electrons**; Les Arcs, France, 23-27 Feb. 1981, [March-April 1980] 32706

**Surges in HV networks**; Baden, Switzerland, 3-4 Sept. 1979, *K.Ragaller (editor/s)*, [New York, USA: Plenum 1980, \$47.50] 27629, 30667, 30676, 30694, 30789, 30800-1, 30821-2, 31305, 31383

**System-based approach to manufacturing automation**; London, England, 22 Jan. 1981, [London, England: IEE 1981] 39419

**Systems architecture**; London, England, 30 March - 1 April 1981, [Guildford, Surrey, England: IPC Sci. & Technol. Press Ltd 1981, £20.00] 47361, 47400-3, 47501, 51975-7

**Tandem Van de Graaff accelerator**; Catania, Italy, 9-12 June 1980, [15 May 1981] 39277 (introductory abstract), 42839-56, 43122-38, 43193-4

**Technological developments relating to the office of the future**; London, England, 10 June 1981, [London, England: IEE 1981] 41889 (introductory abstract), 41984-7

**Technological developments relating to the office of the future, London**; London, England, 9 June 1981, [London, England: IEE 1981] 47321 (introductory abstract), 47341, 47354, 47365, 47404, 47817

**Technology effect on industrial design**; London, England, 14 April 1981, [London, England: IEE 1981] 40300, 42509

**Telecommunication transmission**; London, England, 17-20 March 1981, [London, England: IEE 1981] 39288 (introductory abstract), 41261, 41270, 41477-8, 41880-7, 41907-9, 42009, 42036-45, 42135-42, 42147, 42170-4, 42190-1, 42256-69, 42383, 42451

**Telecommunications**; Houston, TX, USA, 30 Nov. - 4 Dec. 1980, (*IEEE*) [New York, USA: IEEE 1980] 26823-5, 27325, 27483, 28215, 28922-5, 28944-6, 28990-1, 29018-20, 29039, 29054-61, 29073-7, 29108-22, 29206-10, 29230-1, 29247-55, 29267, 29311-36, 29361-7, 29378, 29382-6, 29389, 29412-13, 29445-61, 29480-1, 29499-501, 29508-13, 29524-6, 29563-74, 29579-81, 29589-93, 29597, 29614-20, 29631-3, 29649-54, 29688-719, 29721-2, 29769-80, 29795, 29807-8, 29817-23, 29831, 29855-6, 30034, 30062, 30503-4, 30514, 30677-8, 31133-4

**Telecommunications energy**; London, England, 19-21 May 1981, [London, England: IEE 1981] 39286 (introductory abstract), 39926, 41879, 42026-34, 42088-93, 42134, 42167-9, 42188-9, 42382, 43588-91, 43628, 43801, 43969-76, 44225-47, 44388, 47470, 49587

**Teletext**; Dusseldorf, Germany, 1-2 Dec. 1980, [Frankfurt, Germany: Diebold Deutschland GmbH 1980] 29405 (introductory abstract), 29406-11

**Tetraedrally bonded amorphous semiconductors**; Carefree, AZ, USA, 12-14 March 1981, [1981] 44579 (introductory abstract), 45103-10, 45896-8, 45940-5, 45992, 46093, 46605-8, 49670-2, 50796-8

**Thermal infrared sensing applied to energy conservation in building envelopes**; Minneapolis, MN, USA, 2-5 Sept. 1980, (*US Dept. Energy; American Soc. Photogrammetry*) [1980] 49857 (introductory abstract), 52396-400, 52481, 52953, 53015-17

**Thermophysical properties**; Antwerp, Belgium, 30 June - 4 July 1980, [1980] 34250

**Transportation electronics**; Dearborn, MI, USA, 15-17 Sept. 1980, (*IEEE; SAE; Vehicular Technol. Soc*) [New York, USA: IEEE 1980] 26782 (introductory abstract), 26891, 29021, 29368-71, 29655-66, 29888-90, 31438, 31585-601, 31615-33

**Ultrasonics**; Boston, MA, USA, 5-7 Nov. 1980, (*IEEE*) *B.R.McAvoy (editor/s)*, [New York, USA: IEEE 1980] 31769 (introductory abstract), 32905, 32928-58, 33097-9, 33659, 34378, 36026, 36453, 36486-7, 36719, 36735-7, 36749-808, 36814, 36829-35, 36991, 37259, 37357-8, 37406, 37539-41, 37798, 38081, 38190, 38259, 38502-6, 38611-14, 38618-22, 38626-34, 38942, 39819-20, 40747, 40764-6, 40773, 43328-9, 43468-9, 46371-2, 46437, 47729

**Use of microprocessors in railway systems**; London, England, Jan. 1981, [London, England: IEE 1981] 42205, 44452

**Vacuum conference**; Gyor, Hungary, 22-25 Oct. 1979, [1980] 36999, 38311, 38411, 40318-19, 40432

**Vacuum devices**; Cambridge, England, 25-27 March 1980, [Nov.-Dec. 1980] 31762 (introductory abstract), 32540-8, 32551, 32563-70, 32576-81, 32591-4, 34095, 34729, 35496-7

**VDE congress 1980**; Berlin, Germany, 6-8 Oct. 1980, [1980] 27283, 27554, 30253, 30912, 30940, 31518, 31607

**VLSI in the laboratory, office, factory and home**; San Francisco, CA, USA, 23-26 Feb. 1981, (*IEEE*) [New York, USA: IEEE 1981] 26779 (introductory abstract), 27461-8, 28076-8, 28124, 29479, 29562, 29765, 32291-303, 32867-72, 33590-3, 33989-92, 34201-2, 34617

**Wires and cables**; Cherry Hill, NJ, USA, 18-20 Nov. 1980, (*US Army Commun. Res. Dev. Command*) [Fort Monmouth, NJ, USA: US Army Commun. Res. Dev. Command 1980, \$10.00] 31765 (introductory abstract), 32430-55, 32488, 32914-16, 33068-76, 33387, 33907-8, 33914-15, 33917-19, 33984-8, 34876-7, 34899, 34959, 35547

**World nuclear energy**; Washington, DC, USA, 16-21 Nov. 1980, [Nov. 1980] 30266, 30937, 31062

# CORPORATE AUTHOR INDEX

## AGARD, Neuilly sur Seine, France

An advanced electronic cockpit instrumentation system: the coordinated cockpit display, AGARD-AG-255. 30510  
 Advancement on visualization techniques, AGARD-AG-255. 30020  
 AGARD flight test instrumentation series volume 12 on aircraft flight test data processing. A review of the state of the art, AGARD-AG-160-Vol.12. 30501  
 Cathode ray tubes and plasma panels as display devices for aircraft displays, AGARD-AG-255. 30508  
 Display concepts for Control Configured Vehicles, AGARD-AG-255. 30512  
 The electro-optical display/visual system interface: human factors considerations, AGARD-AG-255. 30021  
 Evolution of tactical and map displays for high performance aircraft, AGARD-AG-255. 30509  
 Experiments using electronic display information in the NASA Terminal Configured Vehicle, AGARD-AG-255. 30513  
 Fidelity of simulation for pilot training, AGARD-AR-159. 43402  
 Flat panel display technology overview, AGARD-AG-255. 30208  
 Helmet-mounted displays: design considerations, AGARD-AG-255. 30022  
 The influence of visual requirements on the design of military cockpits, AGARD-AG-255. 30511  
 Integration of sensors with displays, AGARD-AG-255. 30507  
 Large area gas discharge displays, AGARD-AG-255. 27773  
 Liquid crystal displays, AGARD-AG-255. 30209  
 Optical infinity lens developments for flight simulator visual displays, AGARD-AG-255. 30500  
 The presentation of static information on air traffic control displays, AGARD-AG-255. 30531

## Atomic Energy Canada Ltd., Chalk River, Ont

COILS - A code to calculate the median plane axial magnetic field of current carrying coils or uniformly magnetized materials of irregular shape, AECL-7060. 48213  
 Initial field measurements on the Chalk River superconducting cyclotron, AECL-7161. 42859  
 Portable contamination monitor with a numerical display, AECL-6979. 30353

## Bur. Mines, Washington, DC, USA

Computer modeling of fluid flow during production and environmental restoration phases of in situ uranium leaching, RI-8479. 34980

## CERN, Geneva, Switzerland

MIMOSA - A 32 channel 40 MHz Camac scaler, CERN-81-01. 29996  
 Prospects for polarised beams in LEP, CERN-81-02. 42860

## Comm. European Communities, Luxembourg

Acoustic emission studies in offshore engineering, EUR 6906 EN. 27196  
 Adaptation d'un réfrigérateur a cycle ferme sur un diffractometre a rayons X de serie (Adaptation of a closed-cycle refrigerator on an X-ray diffractometer), EUR 6983 FR. 38467  
 Advancement of surface inspection instrumentation for cold-rolled steel strip, EUR 6463 EN. 26961  
 Basic properties of grain-orientated electro-technical steels. Vol.1, EUR 6647/1 EN. 40785  
 Combined generation of electricity and heat in the dairy industry, EUR 7134 EN. 53850  
 Development and testing of the dose equivalent rate meter tandem for beta and photon radiation to be used in radiation protection, EUR 6845 DE,EN. 52716  
 Entwicklung von einkristallinen CdTe-Solarzellen für terrestrische Anwendung, geeignet für den Einsatz in optischen Konzentratoren (Development of single crystal CdTe solar cells for terrestrial applications meant for use in optical concentrators), EUR 7033 DE. 49706  
 Investigation on ion implantation as a technique suitable to fabricate high-efficiency silicon solar cells, EUR 7094 EN. 53644  
 Ultrasonic holography for the inspection of thick steel specimens, EUR 6865 EN. 39837

## Defence Sci. & Technol. Organ., Electron. Res. Lab., Adelaide, SA, Australia

Pulse transmission mode laser, ERL-0167-TM. 28700

## Eindhoven Univ. Technol., Netherlands

Current chopping in SF<sub>6</sub>, TH-80-E-107. 39092  
 Error probability in digital fiber optic communication systems, TH-79-E-99. 29758  
 Radiation patterns of circular apertures with prescribed sidelobe levels, TH-79-E-97. 29687  
 Series representation method for the far field of an offset reflector antenna, TH-79-E-98. 29006  
 Shaped cylindrical double-reflector system for a broadcast-satellite antenna, TH-79-E-101. 29853  
 Studies on the decay of surface charges on dielectrics, TH-79-E-100. 28146  
 Theory of nonlinear discrete-time systems and its application to the equalization of nonlinear digital communication channels, TH-79-E-102. 33711  
 Transmission of FM-modulated audiosignals in the 87.5-108 MHz broadcast band over a fiber optic system, TH-80-E-108. 29852

## Electr. Power Res. Inst., Palo Alto, CA, USA

Assessment of the use of human factors in the design of fossil-fired steam generating systems, EPRI-CS-1760. 53278  
 Broadcast radio system for distribution communications, EPRI-EL-1868. 52057  
 Brunswick-2 water chemistry, EPRI-NP-1795. 53227  
 BWR refill-reflood program - core spray distribution final report, EPRI-NP-1580. 53225  
 BWR refill-reflood program - single heated bundle experimental task plan. Vol. I and II, EPRI-NP-1524. 53226  
 Composite wood utility poles, EPRI-EL-1745. 53126  
 Corrosion problems in coal-fired boiler superheater and reheater tubes: Steam-side oxidation and exfoliation. Development of a chromate-conversion treatment, EPRI-CS-1812. 53280  
 Crystallized fly ash feasibility study, EPRI-EL-1836. 51056  
 Current perspectives in nuclear safety R&D, EPRI-NP-1828-SR. 53224  
 Design of multiprocessor structures for simulation of power system dynamics, EPRI-EL-1756. 53028  
 Economic assessment and comparison of alternative beta alumina electrolytes, EPRI-EM-1799. 53602  
 Effects of high-voltage transmission lines on honey bees, EPRI-EA-1809. 53112  
 Electric utility solar energy activities: 1980 survey, EPRI-AP-1713-SR. 53020  
 EPRI roles in battery commercialization, EPRI-EM-1748. 49917  
 Evaluation of PWR radiation fields and out-of-core surface activities, EPRI-NP-858. 53228

Field demonstrations of communication systems for distribution automation. Vol. III, EPRI-EL-1860. 52044  
 Field demonstrations of communication systems for distribution automation. Vol. II, EPRI-EL-1860. 52045  
 Field demonstrations of communication systems for distribution automation. Vol. IV, EPRI-EL-1860. 52058  
 Free and forced convective cooling of pipe-type electric cables. Vol. I, EPRI-EL-1872. 53101  
 Free and forced convective cooling of pipe-type electric cables. Vol. II, EPRI-EL-1872. 53102  
 German risk study - main report. A study of the risk due to accidents in nuclear power plants, EPRI-NP-1804-SR. 53229  
 Human factors review of power plant maintainability, EPRI-NP-1567. 49975  
 Impact of coal cleaning on the cost of new coal-fired power generation, EPRI-CS-1622. 53281  
 Implementation of the SAM-CE Monte Carlo benchmark analysis capability for validating nuclear data and reactor design codes, EPRI-NP-1791. 53222  
 Laboratory evaluation of the impact of drying and screening on refuse-derived fuel quality, EPRI-CS-1802. 53279  
 Leaching of asbestos-cement cooling-tower fill, EPRI-CS-1777. 53249  
 Market potential for small advanced thermomechanical cycle combustion turbine generators, EPRI-AP-1778. 53285  
 Metallic return transfer breaker development, EPRI-EL-1816. 53585  
 Model study of HVDC electric field effects, EPRI-EL-1817. 53064  
 Modeling of cooling-water inleakage effects in PWR steam generators, EPRI-NP-1786. 53196  
 Pool daily fuel scheduling. Vol. I: Technical manual, EPRI-EL-1659. 53024  
 Pool daily fuel scheduling. Vol. II: Programming manual, EPRI-EL-1659. 53025  
 Pool daily fuel scheduling. Vol. III: Program listings, EPRI-EL-1659. 53026  
 Potential for load management in selected industries. Summary report, EPRI-EA-1821-SY. 53019  
 Preliminary results from the EPRI Plume Model Validation Project - Plains site, EPRI-EA-1788-SY. 53282  
 Simplified models for transient analysis of nuclear steam generators, EPRI-NP-1772. 53195  
 Stochastic modeling of on-line BWR stability, EPRI-NP-1753. 53223  
 Substation control and protection project. System requirements specification, EPRI-EL-1813. 53029  
 System control performance. Vol. II: Capacity allocation user's manual, EPRI-EL-1774. 53022  
 System control performance. Vol. III: Capacity allocation programmer's manual, EPRI-EL-1774. 53023  
 System control performance. Vol. I: Technical manual, EPRI-EL-1774. 53027  
 System control performance. Vol. IV: Capacity allocation program listings, EPRI-EL-1774. 53030  
 Three-phase UHV AC transmission research 1977-1979, EPRI-EL-1820. 53061  
 Transient stability margin as a tool for dynamic security assessment, EPRI-EL-1755. 53021  
 Western subbituminous coals and lignites, EPRI-CS-1768. 53174

**ERA Technol. Ltd., Leatherhead, Surrey, England**  
 Guide to reduction of susceptibility of instrumentation to radio frequency fields, ERA-80-135. 52331

**European Space Agency, Paris, France**  
 Reflections on the economics of the European space programme, ESA STR-207. 30496

**Experimental Group of EMF-temperature Formula for Saturated Standard Cells, Nat. Inst. of Metrology of China, Beijing, China**  
 A precise determination of the EMF-temperature coefficient of the saturated standard cells, . 38080

**Hungarian Acad. Sci., Budapest**  
 Algorithms for covering polygons by rectangles [integrated circuit mask CAD], KFKI-1981-17. 32865  
 Fast-slow coincidence systems with very high time resolution, KFKI-1981-11. 48651  
 Two-dimensional MOS transistor simulation, KFKI-1981-13. 36642

**Inst. of Semiconductors, Chinese Acad. of Sci., China**  
 Photoetching characteristics without development for various photoresists, . 32762

**Ist. Naz. Fis. Nucl., Bari, Italy**  
 Study of a transverse optical klystron experiment in Adone (TOKA), INFN/AE-81/6. 48309

**Ist. Naz. Fis. Nucl., Catania, Italy**  
 The <sup>1</sup>H( $t,n$ )<sup>3</sup>He reaction as monoenergetic neutron source in the (10-20) MeV energy interval, INFN/BE-81/7. 52667  
 Preparazione e studio di bersagli solidi di azoto per esperimenti di fisica nucleare (Preparation and study of solid nitrogen targets for nuclear experiments), INFN/TC-81/8. 48568

**Ist. Naz. Fis. Nucl., Genoa, Italy**  
 Hints for electric field compensation in multicell resonant structures, INFN/TC-81/6. 48454  
 Second stage trigger for track reconstruction based on contiguity ideas, INFN/TC-81/3. 43263

**Ist. Naz. Fis. Nucl., Padua, Italy**  
 Effective solid angle in the <sup>9</sup>Be detection, INFN/BE-81/6. 48626  
 Recoil-proton fast neutron counter telescope, INFN/BE-81/3. 43255

**Ist. Naz. Fis. Nucl., Pisa, Italy**  
 MWPC with a cathode coupled delay line read-out as radioactivity detector for DNA repair studies, INFN/TC-80/14. 30351

**Matshita Electrical Industrial Co. Ltd., Osaka, Japan**  
 Voice-synthesis circuit board system, . 33579

**Nagoya Univ., Japan**  
 Test stand for magnetron H<sup>-</sup> ion source at IPP-Nagoya, IPPJ-T-33. 48565

**Nat. Bur. Stand., Washington, DC, USA**  
 Calculated operating temperatures of thermally insulated electric cables, NBS-TN-1133. 53100  
 Evaluation of electrical connections for branch circuit wiring, NBS-BSS-128. 40290  
 Examination of distance measuring devices, NBS-Handbook-137. 52580  
 FORTRAN program for calculating the electrical parameters of extrinsic silicon, NBS-SP-400-63. 40388  
 System for measuring the characteristics of high peak power detectors of pulsed CO<sub>2</sub> radiation, NBS-TN-1023. 30136

**Nat. Inst. Metall., Randburg, S. Africa**

Large-capacity sample-changer for automated gamma-ray spectroscopy, NIM-2085. 43270

**Nat. Phys. Lab., Teddington, England**

Assignment of values to a set of weights: (1) The basic theory, NPL-MOM-50. 48248

Issues in the design of a key distribution centre, NPL-DNACS-43/81. 33495

Optical constants of some common low loss polymers between 4 and 40  $\text{cm}^{-1}$ , NPL-DES-69. 28424

Ordered list of far infrared laser lines (continuous,  $\lambda > 12 \mu\text{m}$ ), NPL-QU-45 (1st rev.). 33194

Ordered list of optically-pumped laser lines (continuous,  $\lambda > 9 \mu\text{m}$ ), NPL-QU45. 28662

Protocol implementation assessment. Philosophy and architecture, NPL-DNACS-44/81. 41978

Survey of NIFTP implementations, NPL-DNACS-45/81. 41979

Two prototype double dual-slope digital wattmeters, NPL-DES-60. 48155

Uncertainty of measurements made using the Automatic Scale Measuring Interferometer, NPL-MOM-48. 52581

**Phys.-Tech. Bundesanstalt, Braunschweig, Germany**

Messanleitung für die Bestimmung von Gammastrahlen Emissionsraten mit Germanium-Detektoren (Guidelines for the study of gamma-ray emission rates with germanium detectors), PTB-Ra-12. 52749

Note on a proposal of the Physikalisch-Technische Bundesanstalt, for determining the magnetic flux density produced by a system of coils, PTB-E-16. 48212

Optimierung der Streuprobe Wahl beim Neutronenflugzeitexperiment (Optimising the scattering sample in neutron time-of-flight experiments), PTB-ND-20. 52748

**Purple Mountain Obs., Acad. Sinica, Peking, China**

The 8 mm wavelength solar radio telescope of Purple Mountain Observatory. Group of 8 mm wavelength solar radio telescope, . 37985

**Rand Afrikaans Univ., Johannesburg, S. Africa**

Die ontwerp en vervaardiging van drywingstransistors (Design and manufacture of power transistors), RAU-EI-74-1. 40565

**Rutherford & Appleton Labs., Chilton, Oxon., England**

Data acquisition system for the TASSO experiment, RL-81-048. 48652

Theoretical study of a target reflector and moderator assembly for SNS, RL-81-006. 48566

**Sveriges Mekanförbund, Stockholm, Sweden**

Examples of assembly systems, IVF-resultat 81607. 53839

Modern measuring equipment for rational inspection, IVF-resultat 81609. 52365

Simulation for development of digital electronics, IVF-resultat 80624. 40064

Test and fault diagnosis of printed board assemblies with LSI-devices, IVF-resultat 80622. 39391

**Task Force on Electric Power Engng. Curriculum, of the Power Engng. Education Committee of the Power Engng. Society, IEEE**

A model undergraduate electric power engineering curriculum, . 39304

**UKAEA, Harwell, Oxon., England**

Annealing of ion implanted silicon, AERE-R 9868. 27936

Development of instrumentation for nondestructive testing, AERE-R 9802. 27197

Phase locked neutron chopper rotor drive system, AERE-R 9411. 48567

Random number generators for the normal and gamma distributions using the ratio of uniforms method, AERE-R 10032. 44896

Semi-automated testing of proportional counters, AERE-R 9871. 30352

Setting up a station to monitor the background radiation, AERE-R 10059. 43457

Stabilizer for the Harwell Tandem Van de Graaff, AERE-R 9968. 52650

**UKAEA, Risley, Lancs., England**

Small-angle neutron-scattering experiments. Part II. Use of the Harwell small-angle scattering spectrometer, ND-R-467(S) Part 2. 52747

**Univ. of Ottawa, Ottawa, Ontario, Canada**

A k-out-of-N:G three-state unit redundant system with common-cause failures and replacements, . 50056

**Univ. Oxford, England**

Optimum design of wide-bandwidth, low-noise photodiode amplifiers. 1: Bandwidth, OUEL-1363/81. 51281

**Univ. Rome, Italy**

Lyapunov functions for stability analysis of synchronous generator, R80-17. 31214

# List of Journals

The periodical and serial publications listed below are regularly received and scanned by INSPEC for its information services. The selection of articles from any particular journal and their inclusion in any of the INSPEC abstracts journals (Physics Abstracts, Electri-

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- Annu. Rev. Autom. Program. (GB)** - (ARVAAM)  
*Annual Review in Automatic Programming* Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England
- Annu. Univ. Sofia Fac. Phys. (Bulgaria)** - (SUFGA9)  
*Annuaire de l'Université de Sofia Faculté de Physique* Sofiya, Bulgaria
- Anritsu Tech. Bull. (Japan)** - (ANTKAE)  
*Anritsu Technical Bulletin* Anritsu Electric Co. Ltd., 12-20, 4 chome, Minami-Azabu, Minato-ku, Tokyo, Japan
- Antenna (Italy)** - (ANTNBO)  
*L'Antenna* Via Monte Generoso 6/a, 20155 Milano, Italy
- APE Eng. (GB)** - (APEEA3)  
*APE Engineering* Amalgated Power Engineering Ltd., P.O. Box 43, Bedford MK40 4JB, England
- APL Quote Quad (USA)** - (APLQD9)  
*APL Quote Quad* Association for Computing Machinery, 1133 Avenue of the Americas, New York, NY 10036, USA
- APL Tech. Dig. (USA)** - (APLDAZ)  
*APL Technical Digest* Title changed to: *Johns Hopkins APL Tech. Dig. (USA)*
- Apl. Mat. (Czechoslovakia)** - (APMTAK)  
*Aplikace Matematiky* Academia, Publishing House of the Czechoslovak Academy of Sciences, Vodičkova 40, 112 29 Praha 1, Czechoslovakia
- Appl. Acoust. (GB)** - (AACOBL)  
*Applied Acoustics* Applied Science Publishers, Ripple Road, Barking, Essex, England
- Appl. Anal. (GB)** - (APANCC)  
*Applicable Analysis* Gordon & Breach Science Publishers Ltd., 42 William IV Street, London WC2N 4DE, England
- Appl. Energy (GB)** - (APENDX)  
*Applied Energy* Applied Science Publishers Ltd., Ripple Road, Barking, Essex, England
- Appl. Ergonomics (GB)** - (AERGBW)  
*Applied Ergonomics* IPC Science and Technology Press Ltd., P.O. Box 63, Westbury House, Bury Street, Guildford, Surrey GU2 5BH, England
- Appl. Math. & Mech. (USA)** - (AMMCBH)  
*Applied Mathematics and Mechanics* [Translation of: *Prikl. Mat. & Mekh. (USSR)*] Pergamon Press, Maxwell House, Fairview Park, Elmsford, NY 10523, USA
- Appl. Math. & Optimiz. (USA)** - (AMOMBN)  
*Applied Mathematics and Optimization* Springer-Verlag Inc. New York, 175 Fifth Avenue, New York, NY 10010, USA
- Appl. Math. Modelling (GB)** - (AMMODL)  
*Applied Mathematical Modelling* IPC Science and Technology Press Ltd., Westbury House, P.O. Box 63, Bury Street, Guildford, Surrey GU2 5AW, England
- Appl. Opt. (USA)** - (APOPAI)  
*Applied Optics* Published for the Optical Society of America by the American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA
- Appl. Phys. (Germany)** - (APHYCC)  
*Applied Physics* Springer-Verlag, D-1000 Berlin 33, Heidelberger Platz 3, Germany. Journal split into two parts, Appl. Phys. A (Germany) and Appl. Phys. B (Germany)
- Appl. Phys. A (Germany)**  
*Applied Physics A (Solids and Surfaces)* Springer-Verlag, Heidelberger Platz 3, D-1000 Berlin 33, Germany
- Appl. Phys. B (Germany)**  
*Applied Physics B (Photophysics and Laser Chemistry)* Springer-Verlag, Heidelberger Platz 3, D-1000 Berlin 33, Germany
- Appl. Phys. Lett. (USA)** - (APPLAB)  
*Applied Physics Letters* American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA
- Appl. Sci. Res. (Netherlands)** - (ASRHAI)  
*Applied Scientific Research* Martinus Nijhoff, Lange Voorhout 9, Den Haag, Netherlands
- Appl. Sol. Energy (USA)** - (ASOEAE6)  
*Applied Solar Energy* [Translation of: *Geliotehnika (USSR)*] Allerton Press Inc., 150 Fifth Avenue, New York, NY 10011, USA
- Appl. Spectrosc. (USA)** - (APSPA4)  
*Applied Spectroscopy* Society for Applied Spectroscopy, 428 East Preston Street, Baltimore, MD 21202, USA
- Appl. Spectrosc. Rev. (USA)** - (APSRBB)  
*Applied Spectroscopy Reviews* Marcel Dekker Inc., 270 Madison Avenue, New York, NY 10016, USA
- Appl. Stat. (GB)** - (APSTAG)  
*Applied Statistics (Journal of the Royal Statistical Society Series C)* Royal Statistical Society, 25 Enford Street, London, W1H 2BH, England
- Appl. Surf. Sci. (Netherlands)** - (ASUSDD)  
*Applications of Surface Science* North-Holland Publishing Co., P.O. Box 211, Amsterdam, Netherlands
- Arabian J. Sci. & Eng. (GB)** - (AJSEEDY)  
*Arabian Journal for Science and Engineering* Published for the University of Petroleum and Minerals, Dhahran, Saudi Arabia, by John Wiley and Sons Ltd., Baffins Lane, Chichester, West Sussex PO19 1UD, England
- Arch. Acoust. (Poland)** - (AACODN)  
*Archives of Acoustics* Polish Academy of Sciences, Palac Kultury i Nauki, 00-901 Warszawa, Poland
- Arch. Autom. & Telemach. (Poland)** - (AATMAV)  
*Archiwum Automatyki i Telemachanika* Polska Akademia Nauk, Editorial address, 00-818 Warszawa, ul. Krajowej Rady Narodowej 55, Poland
- Arch. Eisenbahntech. (Germany)** - (AEBTAO)  
*Archiv für Eisenbahntechnik* Hestra-Verlag, 61 Darmstadt, Holzhofallee 33, Germany
- Arch. Eisenhuettenwes. (Germany)** - (AREIAT)  
*Archiv für das Eisenhuettenwesen* Verlag Stahleisen mGH, 4 Dusseldorf 1, Postfach 8229, Germany
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*Archiv für Elektronik und Übertragungstechnik (Electronics and Communication)* S. Hirzel Verlag, D-7 Stuttgart 1, Birkenwaldstrasse 44, Postfach 347, Germany
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*Archiv für Elektrotechnik* Springer-Verlag, D-1000 Berlin 33, Heidelberger Platz 3, Germany
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*Archiwum Elektrotechniki* Polska Akademia Nauk, Editorial address: 00-662 Warszawa, Ul. Koszykowa 75, Poland
- Arch. Hutn. (Poland)** - (AHUTA4)  
*Archiwum Hutnictwa* Export-Import Enterprise 'Ruch', ul. Wilcza 46, Warszawa 1, Poland
- Arch. Math. Logik & Grundlagenforsch. (Germany)** - (AMLGAN)  
*Archiv für Mathematische Logik und Grundlagenforschung* Verlag W. Kohlhammer GmbH, Hessbrühlstrasse 69, Postfach 800 430, 7000 Stuttgart 80 (Vaihingen), Germany
- Arch. Mech. (Poland)** - (AMESAO)  
*Archives of Mechanics (Archiwum Mechaniki Stosowanej)* Polish Scientific Publishers, Swietokrzyska 21, Warszawa, Poland
- Arch. Post & Fernmeldewes. (Germany)** - (APOFDI)  
*Archiv für das Post und Fernmeldewesen* Bundesministerium für das Post und Fernmeldewesen, Adenauerallee 81, 5300 Bonn 1, Germany
- Arch. Ration. Mech. & Anal. (Germany)** - (AVRMAW)  
*Archive for Rational Mechanics and Analysis* Springer-Verlag, D1000 Berlin 33, Heidelberger Platz 3, Germany
- Arch. Sci. (Switzerland)** - (ASGVAH)  
*Archives des Sciences* Societe de Physique et d'Histoire Naturelle de Geneve. Subscription address: Librairie Payot, 6 Rue Grenus, 1211 Geveva 11, Switzerland
- Archaeoastronomy (GB)** - (ARHADN)  
*Archaeoastronomy* Issued with: *J. Hist. Astron. (GB)*
- Archaeometry (GB)** - (ARCHAG)  
*Archaeometry* Research Laboratory for Archaeology and the History of Art, Oxford University, 6 Keble Road, Oxford OX1 3QJ, England
- Ark. Fys. Semin. Trondheim (Norway)** - (AFYTAA)  
*Arkiv for det Fysiske Seminar i Trondheim* c/o Institutt for Teoretisk Fysikk, Universitetet i Trondheim, NTH, N-7034 Trondheim, Norway
- Ark. Mat. (Sweden)** - (AKMTAJ)  
*Arkiv for Matematik* Institut Mittag-Leffler, Auravagen 17, S-182 62 Djursholm, Sweden
- Artif. Intell. (Netherlands)** - (AINTBB)  
*Artificial Intelligence* North-Holland Publishing Co., P.O. Box 211, Amsterdam, Netherlands
- ASEA J. (Sweden)** - (ASEJAS)  
*ASEA Journal* Allmanna Svenska Elektriska AB, S-721 83 Vasteras, Sweden
- ASLE Trans. (USA)** - (ASLTA2)  
*ASLE Transactions* American Society of Lubrication Engineers, 838 Busse Highway, Park Ridge, IL 60068, USA
- ASLIB Proc. (GB)** - (ASLPAO)  
*ASLIB Proceedings* 3 Belgrave square, London, SW1X 8PL, England

- Assem. Autom. (GB)**  
*Assembly Automation* IFS (Publications) Ltd., 35-39 High Street, Kempston, Bedford MK42 7BT, England
- Assoc. Lit. & Linguist. Comput. Bull. (GB)** – (ALLCB5)  
*Association for Literary and Linguistic Computing Bulletin* Secretary, Literary and Linguistic Computing Centre, Sidgwick Site, Cambridge CB3 9DA, Wales
- ASTM Stand. News (USA)** – (STDNAD)  
*ASTM Standardization News* American Society for Testing and Materials, 1916 Race Street, Philadelphia, PA 19103, USA
- Astrofiz. Issled-Izv.Spets. Astrofiz. Obs. (USSR)** – (AILEDQ)  
*Astrofizicheskie Issledovaniya-Izvestiya Spetsial'noi Astrofizicheskoi Observatorii 'Nauka', Leningradskoe Otdelenie*, 199164 Leningrad V-164, Mendeleevskaya Lin. d. 1, USSR [English translation in: *Bull. Spec. Astrophys. Obs.-North Caucasus (USA)*]
- Astrofizika (USSR)** – (ASTKGB)  
*Astrofizika* Academy of the Armenian SSR, Erevan, USSR [English translation in: *Astrophysics (USA)*]
- Astrometriya & Astrofiz. (USSR)** – (AAFZBZ)  
*Astrometriya i Astrofizika* Izdatel'stvo 'Naukova Dumka' 252601 Kiev, GSP, Repina 3, USSR
- Astron. & Astrophys. (Germany)** – (AAEJAF)  
*Astronomy and Astrophysics* Springer-Verlag, D-1000 Berlin 33, Heidelberg Platz 3, Germany
- Astron. & Astrophys. Suppl. Ser. (France)** – (AAESB9)  
*Astronomy & Astrophysics Supplement Series* Formerly: *Astron. & Astrophys. Suppl. Ser. (Switzerland)* Editions de Physique, Avenue du Hoggar, Zone Industrielle de Courtabouef, BP 112, 91402 Orsay, France
- Astron. & Astrophys. Suppl. Ser. (Switzerland)** – (AAESB9)  
*Astronomy and Astrophysics Supplement Series* Title changed to: *Astron. & Astrophys. Suppl. Ser. (France)*
- Astron. Circ. (Acad. Sin.) (China)** – (TWTHTD8)  
*Astronomical Circulars (Academia Sinica)* Academia Sinica, Beijing, People's Republic of China
- Astron. Her. (Japan)** – (TGEPAC)  
*Astronomical Herald* Astronomical Society of Japan, Tokyo Astronomical Observatory, Oosawa Mitaka, Tokyo, Japan
- Astron. J. (USA)** – (ANJOAA)  
*Astronomical Journal* Published for the American Astronomical Society by the American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA
- Astron. Nachr. (Germany)** – (ASNAAN)  
*Astronomische Nachrichten* Akademie-Verlag, DDR-108 Berlin, Leipziger Strasse 3-4, Germany
- Astron. Tidsskr. (Sweden)** – (ANTKBF)  
*Astronomisk Tidskrift* Editorial address: Institutionen for Astronomi, 222 24 Lund, Sweden
- Astron. Vestn. (USSR)** – (ASVEA7)  
*Astronomicheskii Vestnik* ab/yasht 918, Moskva, K-9, USSR [English translation in: *Sol. Syst. Res. (USA)*]
- Astron. Zh. (USSR)** – (ASZHA2)  
*Astronomicheskii Zhurnal* Agent: Mezhdunarodnaya Kniga, Moskva, USSR [English translation in: *Sov. Astron. (USA)*]
- Astronomy (USA)** – (ASTRD5)  
*Astronomy* Astro Media Corp., 411 E. Mason Street, 6th Floor, Milwaukee, WI 53202, USA
- Astrophys. & Space Sci. (Netherlands)** – (APSSBE)  
*Astrophysics and Space Science* D. Reidel Publishing Co., P.O. Box 17, 3300 AA Dordrecht, Netherlands
- Astrophys. J. (USA)** – (ASJOAB)  
*Astrophysical Journal* University of Chicago Press, 5801 Ellis Avenue, Chicago, IL 60637, USA
- Astrophys. J. Lett. Ed. (USA)** – (AJLEAU)  
*Astrophysical Journal. Letters to the Editor* University of Chicago Press, 5801 Ellis Avenue, Chicago, IL 60637, USA
- Astrophys. J. Suppl. (USA)** – (APJSA2)  
*Astrophysical Journal Supplement* Title changed to: *Astrophys. J. Suppl. Ser. (USA)*
- Astrophys. J. Suppl. Ser. (USA)** – (APJSA2)  
*Astrophysical Journal Supplement Series* Formerly: *Astrophys. J. Suppl. (USA)* University of Chicago Press, 5801 S. Ellis Avenue, Chicago, IL 60637, USA
- Astrophys. Lett. (GB)** – (ASTLAI)  
*Astrophysical Letters* Gordon & Breach Science Publishers Ltd., 42 William IV Street, London WC2N 4DE, England
- Astrophysics (USA)** – (ATPYAA)  
*Astrophysics* [Translation of: *Astrofizika (USSR)*] Consultants Bureau, 227 West 17th Street, New York, NY 10011, USA
- At. & Strom (Germany)** – (ATSTAA)  
*Atom und Strom* Vereinigung Deutscher Elektrizitätswerke, Verlags-u. Wirtschaftsgesellschaft der Elektrizitätswerke, Stresemannallee 23, 6000 Frankfurt (Main) 70, Germany
- At. Absorpt. Newsl. (USA)** – (AABNAC)  
*Atomic Absorption Newsletter* Title changed to: *At. Spectrosc. (USA)*
- At. Data & Nucl. Data Tables (USA)** – (ADNDAT)  
*Atomic Data and Nuclear Data Tables* Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA
- At. Energ. (USSR)** – (AENGAB)  
*Atomnaya Energiya* Akademiya Nauk SSR, Leninskii Prospekt 14, Moskva, USSR [English translation in: *Sov. At. Energy (USA)*]
- At. Energy Aust. (Australia)** – (AEAUAM)  
*Atomic Energy in Australia* Australian Atomic Energy Commission, Post Office, Coogee, N.S.W. 2034, Australia
- At. Energy Rev. (Austria)** – (AERVA8)  
*Atomic Energy Review* International Atomic Energy, Karntner Ring 11, P.O. Box 590, A-1011 Vienna, Austria
- At. Spectrosc. (USA)** – (ASPND7)  
*Atomic Spectroscopy* Formerly: *At. Absorpt. Newsl. (USA)* Perkin-Elmer Corp., Main Avenue, Norwalk, CT 06856, USA
- Atmos. Environ. (GB)** – (ATENBP)  
*Atmospheric Environment* Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 0BW, England
- Atmos. Technol. (USA)** – (ATTED7)  
*Atmospheric Technology* National Center for Atmospheric Research, Post Office Box 3000, Boulder, CO 80303, USA
- Atom (GB)** – (ATMMAR)  
*Atom* United Kingdom Atomic Energy Authority, 11 Charles II Street, London, SW1Y 4QP, England
- Atomkernenerg. Kerntech. (Germany)** – (ATKEDU)  
*Atomkernenergie Kerntechnik* Verlag Karl Thieme AG, Pilgersheimerstrasse 38, Postfach 900740, D-8000 München 90, Germany
- Atomwirtsch.-Atomtech. (Germany)** – (AWAKAG)  
*Atomwirtschaft-Atomtechnik* Handelsblatt GmbH, 4 Dusseldorf 1, Kreuzstrasse 21, Postfach 1102, Germany
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*Atti della Accademia Ligure di Scienze e Lettere* Palazzo Reale, Via Balbi 10, 16126 Genova, Italy
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*Atti della Accademia Nazionale dei Lincei. Rendiconti, Classe di Scienze Fisiche, Matematiche e Naturali* Via della Lungara 10, 000165 Roma, Italy
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*Atti della Accademia delle Scienze dell' Istituto di Bologna, Classe di Scienze Fisiche, Memorie, Serie IV* Bologna, Italy
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*Atti della Accademia delle Scienze dell' Istituto di Bologna, Classe di Scienze Fisiche, Rendiconti, Serie XIII* Bologna, Italy
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*Atti della Accademia delle Scienze di Torino. I. Classe di Scienze Fisiche, Matematiche e Naturali* Via Accademia delle Scienze 6, Via Maria Vittoria 3, Torino (208), Italy
- Atti Fond. Giorgio Ronchi (Italy)** – (AFDGA2)  
*Atti della Fondazione Giorgio Ronchi* Largo Enrico Fermi 1, 50125 Arceetri-Firenze, Italy
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*Atti del Seminario Matematico e Fisico dell' Università di Modena* Modena, Italy
- Atti Soc. Peloritana Sci. Fis. Mat. & Nat. (Italy)** – (ASPSAJ)  
*Atti della Società Peloritana di Scienze Fisiche Matematiche e Naturali* Università di Messina, Messina, Italy
- Audio Scene Can. (Canada)** – (AUSCC2)  
*Audio Scene Canada* Title changed to: *Audio Video Can. (Canada)*
- Audio Video Can. (Canada)**  
*Audio Video Canada* Formerly: *Audio Scene Can. (Canada)* Maclean Hunter Ltd., 481 University Avenue, Toronto, Ont. M5W 1A7, Canada
- Aust. Comput. Bull. (Australia)** – (ACBUDG)  
*Australian Computer Bulletin* Australian Computer Society Inc., P.O. Box N26, Grosvenor Street, Sydney, N.S.W. 2000, Australia
- Aust. Comput. J. (Australia)** – (ACMJJB2)  
*Australian Computer Journal* Australian Trade Publications, 28 Chippen Street, Chippendale, N.S.W. 2008, Australia
- Aust. Comput. Sci. Commun. (Australia)** – (ACSCDD)  
*Australian Computer Science Communications* Department of Information Science, University of Tasmania, G.P.O. Box 252C Hobart, Tasmania 7001, Australia
- Aust. Electr. World (Australia)** – (AUEWAO)  
*Australian Electrical World* Strand Publishing Pty. Ltd., 432 Queen Street, Brisbane 4000, Australia
- Aust. Electron. Bull. (Australia)** – (AEBUDU)  
*Australian Electronics Bulletin* Technical Indexes Pty. Ltd., 4 Kembla Street, East Cheltenham, Vic. 3192, Australia
- Aust. Electron. Eng. (Australia)** – (AUEEB5)  
*Australian Electronics Engineering* Thomson Publications (Australia) Pty. Ltd., 47 Chippen Street, Chippendale, N.S.W. 2008, Australia
- Aust. Geomech. J. (Australia)** – (AUGJBU)  
*Australian Geomechanics Journal* Institution of Engineers, Australia, Science House, Gloucester & Essex Streets, Sydney, N.S.W. 2000, Australia
- Aust. J. Instrum. & Control (Australia)** – (AJICA9)  
*Australian Journal of Instrumentation and Control* Research Publications Pty. Ltd., 418 Canterbury Road, Surrey Hills 3127, Victoria, Australia
- Aust. J. Phys. (Australia)** – (AUJPAS)  
*Australian Journal of Physics* CSIRO, 314 Albert Street, East Melbourne, Victoria 3002, Australia
- Aust. J. Phys. Astrophys. Suppl. (Australia)** – (AJPAB5)  
*Australian Journal of Physics, Astrophysical Supplement* CSIRO, 314 Albert Street, East Melbourne, Victoria 3002, Australia
- Aust. Telecommun. Res. (Australia)** – (ATRABH)  
*Australian Telecommunication Research* Telecommunication Society of Australia, Box 4050, G.P.O., Melbourne, Victoria 3001, Australia
- Australas. Phys. & Eng. Sci. Med. (Australia)** – (AUPMDI)  
*Australasian Physical & Engineering Sciences in Medicine* Formerly: *Australas. Phys. Sci. Med. (Australia)* Mr. K.H. Clarke, Unit of Physical Sciences, Cancer Institute, 481 Little Lonsdale Street, Melbourne, Victoria 3000, Australia
- Australas. Phys. Sci. Med. (Australia)** – (APSMDW)  
*Australasian Physical Sciences in Medicine* Title changed to: *Australas. Phys. & Eng. Sci. Med. (Australia)*
- Auto-Volt Electrauto (France)** – (AUVOAH)  
*Auto-Volt Electrauto* 49 rue de Maubeuge, 75009 Paris, France
- Autom. & Control (New Zealand)** – (AUCODR)  
*Automation and Control* Associated Group Media Ltd., Certified Concrete Building, Madeira Place, Auckland 1, New Zealand
- Autom. & Inf. Ind. (France)** – (AQIIA8)  
*Automatique & Informatique Industrielles* Societe des Editions Radio, 9 Rue Jacob, 75006 Paris, France. Merged with Electron. & Appl. Ind. (France) to form Electron. Ind. (France)
- Autom. & Remote Control (USA)** – (AURCAT)  
*Automation and Remote Control* [Translation of: *Avtom. & Telemekh. (USSR)*] Consultants Bureau, 227 West 17th Street, New York, NY 10011, USA
- Autom. & Strum. (Italy)** – (ATSZAS)  
*Automazione e Strumentazione* Associazione Nazionale Italiana per l'Automazione, Via Le Premuda 2, 21029 Milano, Italy
- Autom. Control & Comput. Sci. (USA)** – (ACSCSE)  
*Automatic Control and Computer Sciences* [Translation of: *Avtom. & Vychisl. Tekh. (USSR)*] Allerton Press Inc., 150 Fifth Avenue, New York, NY 10011, USA
- Autom. Control Theory & Appl. (Canada)** – (ACTACB)  
*Automatic Control Theory and Applications* Acta Press, P.O. Box 3243, Postal Station B, Calgary, Alberta T2M 4L8, Canada
- Autom. Data Process. Inf. Bull. (Belgium)** – (ADPBD2)  
*Automatic Data Processing Information Bulletin* International Social Security Association, Data Processing Consultative Service, Boulevard de l'Empereur 7, B-1000 Brussels, Belgium

- Autom. Mach. (USA)** – (AUMAAB)  
*Automatic Machining* Screw Machine Publishing Co. Inc., 65 Broad Street, Rochester, NY 14614, USA
- Autom. Monit. & Meas. (GB)** – (AUMMC2)  
*Automatic Monitoring and Measuring* [Translation of: *Avtometriya (USSR)*] Scientific Information Consultants Ltd., 661 Finchley Road, London NW2 2HN, England
- Autom. Syst. Rizeni (Czechoslovakia)** – (ASRID2)  
*Automatizovane Systemy Rizeni - Bulletin INORGA* INORGA, Letenska 17, 118 08 Praha 1, Czechoslovakia
- Autom. Weld. (GB)** – (AUWEAQ)  
*Automatic Welding* [Translation of: *Avtom. Svarka (USSR)*] Welding Institute, Abington Hall, Abington, Cambridge CB1 6AL, England
- Automatica (GB)** – (ATCAA9)  
*Automatica* Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 0BW, England
- Automatie (Netherlands)** – (AUTOA7)  
*Automatie* Breedenbroekseweg 8A, 7083 AT Voorst, Netherlands
- Automatika (Yugoslavia)** – (ATKAAF)  
*Automatika* Zagreb, Unska Ulica br.17, Postanski Pretinac 123, Yugoslavia
- Automation (GB)** – (ATMNBV)  
*Automation* E.D. Publications Ltd., 120 Wigmore Street, London, W1H 0AS, England
- Automatizace (Czechoslovakia)** – (AUTMAZ)  
*Automatizace* SNTL, 11302 Praha 1, Spalena ul. 51, Czechoslovakia
- Automedica (GB)** – (AUMDC9)  
*Automedica* Gordon and Breach Science Publishers Ltd., 41 and 42 William IV Street, London, WC2, England
- Automot. Eng. (USA)** – (AUEGBB)  
*Automotive Engineering* Society of Automotive Engineers Inc., 400 Commonwealth Drive, Warrendale, PA 15096, USA
- Autophon Bull. (Switzerland)** – (AUBUD6)  
*Autophon Bulletin* Autophon AG, Ziegelmattnstrasse 1-15, CH-4500 Solothurn, Switzerland
- Avh. Nor. Vidensk.-Akad. Oslo I (Norway)** – (AUNVAW)  
*Avhandlingar utgitt av det Norske Videnskaps-Akademi i Oslo, I. Matematisk-Naturvidenskaplige Klasse* Faculty of Mathematics and Science, University of Oslo, Blindern per Oslo, Norway
- Aviat. Rev. (GB)** – (AVRVBQ)  
*Aviation Review* Title changed to: *Aerosp. & Def. Rev. (GB)*
- Avtom. & Telemekh. (USSR)** – (AVTEAI)  
*Avtomatika i Telemekhanika* Akademiyi Nauk SSSR, Leninskii Prospekt 14, Moskva, USSR [English translation in: *Autom. & Remote Control (USA)*]
- Avtom. & Vychisl. Tekh. (USSR)** – (AVYTAK)  
*Avtomatika i Vychislitel'naya Tekhnika* Academy of Sciences of Latvian SSR, Riga, USSR [English translation in: *Autom. Control & Comput. Sci. (USA)*]
- Avtom. Svarka (USSR)** – (AVSVAU)  
*Avtomaticheskaya Svarka* Ukrainian SSR Academy of Sciences, Arc Welding Institute, Kiev, USSR [English translation in: *Autom. Weld. (GB)*]
- Avtom. Telemekh. & Svyaz (USSR)** – (ATSVAG)  
*Avtomatika, Telemekhanika, Svyaz'* Editorial address: 107078, Moskva, B-78, Krasnovorotskii Prospekt, D. 3B, USSR
- Avtomatika (USSR)** – (AVTMA8)  
*Avtomatika* Institution of Cybernetics, 102 Brest-Litovskii Prospekt, Kiev 57, USSR [English translation in: *Sov. Autom. Control (USA)*]
- Avtometriya (USSR)** – (AVMEBI)  
*Avtometriya* Izdatel'stvo Nauka, Sibirskoe Otdelenie, 630099, Novosibirsk 99, Sovetskaya 18, USSR [English translation in: *Autom. Monit. & Meas. (GB)*]
- AWA Tech. Rev. (Australia)** – (AWARA3)  
*AWA Technical Review* AWA Research Laboratories, 422 Lane Cove Road, North Ryde, N.S.W., Australia
- Bangladesh J. Sci. & Ind. Res.** – (BJSIBL)  
*Bangladesh Journal of Scientific and Industrial Research* Bangladesh Council of Scientific and Industrial Research, Dacca, Bangladesh
- BBC Eng. (GB)** – (BBEGBP)  
*BBC Engineering* British Broadcasting Corporation Publications, 35 Marylebone High Street, London, W1M 4AA, England
- BBC Nachr. (Germany)** – (BBCNAZ)  
*BBC Nachrichten* Brown Boveri & Cie, Aktiengesellschaft, 6800 Mannheim 1, Postfach 351, Germany
- Beck Isolierrech. (Germany)** – (BITKAO)  
*Beck Isolierrech.* Beck Elektro-Isoliertechnik, 200 Hamburg 28, Postfach 280 180, Grossmannstrasse 105, Germany
- Behav. Res. Methods & Instrum. (USA)** – (BRMIAC)  
*Behavior Research Methods and Instrumentation* Psychonomic Society Inc., 1108 West 34th Street, Austin, TX 78705, USA
- Behav. Sci. (USA)** – (BEHSAS)  
*Behavioral Science* Systems Science Publications, University of Louisville, Louisville, KY 40208, USA
- Beitr. Plasma Phys. (Germany)** – (BPPHAA)  
*Beitrage aus der Plasma Physik* Akademie-Verlag, 108 Berlin, Leipzigerstrasse 3-4, Germany
- Belgelectro-Export (Belgium)** – (BEEEXAS)  
*Belgelectro-Export* 21 rue des Drapiers, 1050 Bruxelles, Belgium
- Bell J. Econ. (USA)** – (BJECD3)  
*Bell Journal of Economics* Formerly: *Bell J. Econ. & Manage. Sci. (USA)* American Telephone and Telegraph Co., 195 Broadway, Room C 1800, New York, NY 10007, USA
- Bell Lab. Rec. (USA)** – (BLRCAB)  
*Bell Laboratories Record* Bell Telephone Laboratories, Mountain Avenue, Murray Hill, NJ 07974, USA
- Bell Syst. Tech. J. (USA)** – (BSTJAN)  
*Bell System Technical Journal* American Telephone and Telegraph Co., 600 Mountain Avenue, Murray Hill, NJ 07974, USA
- Ber. Bunsenges. Phys. Chem. (Germany)** – (BBPCAX)  
*Berichte der Bunsengesellschaft für Physikalische Chemie* Verlag Chemie, 694 Weinheim/Bergstrasse, Postfach 1260/1280, Germany
- Ber. Dtsch. Keram. Ges. (Germany)** – (BDKGAY)  
*Berichte der Deutschen Keramischen Gesellschaft* Title changed to: *CFI-Ceram. Forum Int. Ber. Dtsch. Keram. Ges. (Germany)*
- Berg- & Huettenmaenn. Monatsh. (Austria)** – (BHMMAM)  
*Berg- und Huttenmaennische Monatshefte* Springer-Verlag, A-1011 Wien, Molkerbastei 5, Postfach 367, Austria
- Beskontaktn. Elektr. Mash. (USSR)** – (BEEMBU)  
*Beskontaktnye Elektricheskie Mashiny* Izdatel'stvo 'Zinatne', Riga, USSR
- Biofeedback & Self-Regul. (USA)** – (BSELDP)  
*Biofeedback and Self-Regulation* Plenum Publishing Corp., 227 West 17th Street, New York, NY 10011, USA
- Biofizika (USSR)** – (BIOFAI)  
*Biofizika* Izdatel'stvo 'Nauka', Moskva, USSR [English translation in: *Biophysics (GB)*]
- Biol. Cybern. (Germany)** – (BICYAF)  
*Biological Cybernetics* Springer-Verlag, D-1000 Berlin 33, Heidelberger Platz 3, Germany
- Biomater. Med. Devices & Artif. Organs (USA)** – (BMDOAI)  
*Biomaterials, Medical Devices, and Artificial Organs* Marcel Dekker Inc., 270 Madison Avenue, New York, NY 10016, USA
- Biomaterials (GB)** – (BIMADU)  
*Biomaterials* IPC Science and Technology Press Ltd., P.O. Box 63, Westbury House, Bury Street, Guildford, Surrey GU2 5BH, England
- Biomed. Eng. (USA)** – (BIOEAF)  
*Biomedical Engineering* [Translation of: *Med. Tekh. (USSR)*] Consultants Bureau, 227 West 17th Street, New York, NY 10011, USA
- Biomed. Tech. (Germany)** – (BMZTA7)  
*Biomedizinische Technik (Biomedical Engineering)* Fachverlag Schiele & Schon GmbH, D-1000 Berlin 61, Markgrafenstrasse 11, Germany. Georg Thieme Verlag, 7 Stuttgart 1, Postfach 732, Herdweg 63, Germany
- Biometrika (GB)** – (BIOKAX)  
*Biometrika* Biometrika Trust, Biometrika Office, University College London, Gower Street, London, WC1E 6BT, England
- Bionika (USSR)** – (BNKABJ)  
*Bionika* Izdatel'stvo 'Naukova Dumka', Kiev, Repina 3, USSR
- Biophys. J. (USA)** – (BJOJAU)  
*Biophysical Journal* Rockefeller University Press, 1230 York Avenue, New York, NY 10021, USA
- Biophys. Struct. & Mech. (Germany)** – (BSMHBBH)  
*Biophysics of Structure and Mechanism* Springer-Verlag, D-1000 Berlin 33, Heidelberger Platz 3, Germany
- Biophysics (GB)** – (BIOPAE)  
*Biophysics* [Translation of: *Biofizika (USSR)*] Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 0BW, England
- Biorheology (GB)** – (BRHLAU)  
*Biorheology* Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England
- Biotelem. & Patient Monit. (Switzerland)** – (BPMODJ)  
*Biotelemetry and Patient Monitoring* Formerly: *Biotelemetry (Switzerland)* S. Karger AG, Arnold-Bocklin-Strasse 25, CH-4011 Basel, Switzerland
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*BIT (Nordisk Tidskrift för Informationsbehandling)* Institutionen för Informationsbehandling, Lunds Universitet, Solvegatan 14A, S-22362 Lund, Sweden
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*Biuletyn Instytutu Energetyki* Issued with: *Energetyka (Poland)*
- BKSTS J. (GB)** – (BKSTBR)  
*BKSTS Journal* British Kinematography Sound and Television Society, 110/112 Victoria House, Vernon Place, London, WC1B 3DJ, England
- BMR J. Aust. Geol. & Geophys. (Australia)** – (BJAGDT)  
*BMR Journal of Australian Geology & Geophysics* Bureau of Mineral Resources, Geology & Geophysics, P.O. Box 378, Canberra, A.C.T. 2601, Australia
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*Boletin de la Facultad de Ingenieria Universidad de la Republica* Av. Julio Herrera y Reissig 565, Montevideo, Uruguay
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*Boletin del Instituto de Tonantzintla* Instituto Nacional de Astrofisica, Optica y Electronica, Apartados Postales Nos. 216 y 51, Puebla, Pue, Mexico
- Boll. Geofis. Teor. & Appl. (Italy)** – (BGTAEE)  
*Bollettino di Geofisica Teorica ed Applicata* Osservatorio Geofisico Sperimentale, 34123 Trieste, Italy
- Bosch Tech. Ber. (Germany)** – (BTBCBM)  
*Bosch Technische Berichte* Robert Bosch GmbH, Postfach 50, D-7000 Stuttgart 1, Germany
- Boundary-Layer Meteorol. (Netherlands)** – (BLMEBR)  
*Boundary-Layer Meteorology* D. Reidel Publishing Co., P.O. Box 17, 3300 AA Dordrecht, Netherlands
- Br. Astron. Assoc. Circ. (GB)** – (BAACDM)  
*British Astronomical Association Circular* Burlington House, Piccadilly, London W1V 0NL, England
- Br. Corros. J. (GB)** – (BCRJJA3)  
*British Corrosion Journal* Metals Society, 1 Carlton House Terrace, London, SW1Y 5DB, England
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*British Journal of Clinical Equipment* Title changed to: *Br. J. Hosp. Med. (GB)*
- Br. J. Hist. Sci. (GB)** – (BJHSAT)  
*British Journal for the History of Science* British Society for the History of Science, 47 Belgrave Square, London, SW1 8QX, England
- Br. J. Hosp. Med. (GB)** – (BJHMAB)  
*British Journal of Hospital Medicine* Formerly: *Br. J. Clin. Equip. (GB)* Northwood Publications Ltd., Theba House, 49-50 Hatton Garden, London EC1N 8XS, England
- Br. J. Non-Destr. Test. (GB)** – (BJNTAS)  
*British Journal of Non-Destructive Testing* British Institute of Non-Destructive Testing, 1 Spencer Parade, Northampton NN1 5AA, England
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*British Journal for the Philosophy of Science* Cambridge University Press, Bentley House, 200 Euston Road, London, NW1 2DB, England
- Br. J. Photogr. (GB)** – (BRJFAM)  
*British Journal of Photography* Henry Greenwood & Co., 24 Wellington Street, London, WC2E 7DH, England
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*British Journal of Radiology* British Institute of Radiology, 32 Welbeck Street, London, W1M 7PG, England
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*British Polymer Journal* Society of Chemical Industry, 14 Belgrave Square, London, SW1, England

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*British Telecom Journal* Formerly: *Post Off. Telecommun. J. (GB)* Post Office Central Headquarters, 23 Howland Street, London W1P 6HQ, England
- Br. Union-Cat. Period. (GB)**  
*British Union-Catalogue of Periodicals* Butterworth & Co. (Publishers) Ltd., 88 Kingsway, London WC2B 6AB, England
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*BWK. Brennstoff-Waerme-Kraft* VDI-Verlag, Postfach 1139, 4 Dusseldorf 1, Germany
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*Broadcast Technology* Box 420, Bolton, Ont. L0P 1A0, Canada
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*Broadcast Tripodium* Pye TWT Ltd., P.O.Box 41, Coldhams Lane, Cambridge CB1 3JU, England
- Broadcast. Syst. & Oper. (GB)** - (BSOPDJ)  
*Broadcasting Systems & Operation* Title changed to: *Int. Broadcast. Syst. & Oper. (GB)*
- Brown Boveri Rev. (Switzerland)** - (BRBOA9)  
*Brown Boveri Review* Brown Boveri, CH-5401 Baden, Switzerland
- Bruel & Kjaer Tech. Rev. (Denmark)** - (BKTRAP)  
*Bruel and Kjaer Technical Review* Bruel & Kjaer, DK-2850 Naerum, Denmark
- Budavox Telecommun. Rev. (Hungary)** - (BUTRAR)  
*Budavox Telecommunication Review* Budavox Telecommunication Foreign Trading Co. Ltd., H-1392 Budapest, P.O. Box 267, Hungary
- Buerotechnik (Germany)** - (BUERDN)  
*Buerotechnik* FBO-Fachverlag für Büro- und Organisationstechnik Goller GmbH, Postfach 316, Hermannstrasse 2, D-7570 Baden-Baden, Germany
- Build. Serv. & Environ. Eng. (GB)** - (BSENDV)  
*Building Services & Environmental Engineer* Batiste Publications Ltd., Pembroke House, Campsbourne Road, Hornsey, London N8, England
- Build. Serv. Eng. Res. & Technol. (GB)** - (BSETDF)  
*Building Services Engineering Research & Technology* Chartered Institution of Building Services, 222 Balham High Road, London SW12 9BS, England
- Building (GB)** - (BULDBE)  
*Building* (Publishers) Ltd., Builder House, P.O. Box 87, 1-3 Pemberton Row, Red Lion Court, Fleet Street, London EC4p 4HL, England
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*Buletinul Institutului de Studii si Proiectari Energetice* Institutului de Studii si Proiectari Energetice, Bucuresti, Bd. Lacul Tei nr 1, Sectorul II, Rumania
- Bul. Stiint. & Teh. Inst. Politeh. 'Traian Vuia' Timisoara (Romania)** - (BSPTAX)  
*Buletinul Stiintific si Tehnic al Institutului Politehnic 'Traian Vuia' Timisoara (Romania)* Timisoara, Rumania
- Bulg. J. Phys. (Bulgaria)** - (BJPHD5)  
*Bulgarian Journal of Physics* Bulgarian Academy of Sciences, Faculty of Physics, 5 Anton Ivanov Blvd., 1126 Sofia, Bulgaria
- Bull. Acad. Pol. Sci. Ser. Sci. Phys. & Astron. (Poland)** - (BAPADN)  
*Bulletin de l'Academie Polonaise des Sciences, Serie des Sciences Physiques et Astronomiques* Polska Akademia Nauk, 00-091 Warszawa, Palac Kultury i Nauki, P.O.Box 20, Poland
- Bull. Acad. Pol. Sci. Ser. Sci. Tech. (Poland)** - (BAPTA9)  
*Bulletin de l'Academie Polonaise des Sciences, Serie des Sciences Techniques* 00-901 Warszawa, Palac Kultury i Nauki, P.O. Box 20, Poland
- Bull. Acad. Sci. USSR, Phys. Ser. (USA)** - (BUPSAA)  
*Bulletin of the Academy of Sciences of the USSR, Physical Series* [Translation of: *Izv. Akad. Nauk SSSR Ser. Fiz.*] Allerton Press Inc., 150 Fifth Avenue, New York, NY 10011, USA
- Bull. Acad. Serbe Sci. & Arts Cl. Sci. Tech. (Yugoslavia)** - (BASTDR)  
*Bulletin de l'Academie Serbe des Sciences et des Arts, Classe des Sciences Techniques* 35 Knez-Mihailova, 11000 Beograd, Yugoslavia
- Bull. Am. Assoc. Variable Star Obs. (USA)**  
*Bulletin of the American Association of Variable Star Observers* 187 Concord Avenue, Cambridge, MA 02138, USA
- Bull. Am. Astron. Soc. (USA)** - (AASBAR)  
*Bulletin of the American Astronomical Society* American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA
- Bull. Am. Meteorol. Soc. (USA)** - (BAMIAI)  
*Bulletin of the American Meteorological Society* 45 Beacon Street, Boston, MA 02108, USA
- Bull. Am. Soc. Inf. Sci. (USA)** - (BASICR)  
*Bulletin of the American Society for Information Science* 1010 Sixteenth Street, N.W., Washington, DC 20036, USA
- Bull. Ann. Soc. Suisse Chronom. & Lab. Suisse Rech. Horlogeres (Switzerland)**  
*Bulletin Annuel de la Societe Suisse de Chronometrie et du Laboratoire Suisse de Recherche Horlogeres* Laboratoire Suisse de Recherches Horlogeres, 2 rue A.-L. Breguet, CH-2000 Neuchatel, Switzerland
- Bull. Assoc. Suisse Electr. (Switzerland)** - (BUSEAH)  
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*Bulletin of the Astronomical Institutes of Czechoslovakia* Academia, Publishing House of Czechoslovak Academy of Sciences, Vodickova 40, 112 29 Praha 1, Czechoslovakia
- Bull. Astron. Soc. India** - (BANID3)  
*Bulletin of the Astronomical Society of India* Tata Institute of Fundamental Research, Homi Bhabha Road, Bombay 400 005, India
- Bull. Aust. Math. Soc. (Australia)** - (ALNBAB)  
*Bulletin of the Australian Mathematical Society* University of Queensland Press, St. Lucia, Queensland 4067, Australia
- Bull. Br. Soc. Rheol. (GB)** - (BBRHAO)  
*Bulletin British Society of Rheology* Properties of Fluids Division, National Engineering Laboratory, East Kilbride, Glasgow, Scotland
- Bull. Coll. Sci. Univ. Ryukyus (Japan)** - (BCSRDZ)  
*Bulletin of the College of Science, University of the Ryukyus* Nakagusuku-son, Nakagami-gun, Okinawa, Japan
- Bull. Crimean Astrophys. Obs. (USA)** - (BCAOD4)  
*Bulletin of the Crimean Astrophysical Observatory* [Translation of: *Izv. Krym. Astrofiz. Obs. (USSR)*] Allerton Press Inc., 150 Fifth Avenue, New York, NY 10011, USA
- Bull. Dir. Etud. & Rech. Ser. A (France)** - (EFDNAX)  
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*Bulletin de la Direction des Etudes et Recherche, Serie C* Electricite de France, Direction des Etudes et Recherches, 1 Avenue du General de Gaulle, 92140 Clamart, France
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*Bulletin of the Earthquake Research Institute, University of Tokyo* 1-1 Yayoi 1-chome, Bunkyo-ku, Tokyo, Japan
- Bull. EGU (Czechoslovakia)** - (BEGUBU)  
*Bulletin EGU* Vyzkumny Ustav Energeticky, Partyzanska 7a, Praha 7 - Holešovice, Czechoslovakia
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*Bulletin of the Electrotechnical Laboratory* 2-6 Nagata-cho, Chiyoda-ku, Tokyo, Japan
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*Bulletin of the Faculty of Engineering, Ibaraki University* Ibaraki, Japan
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*Bulletin of Faculty of Engineering, Tokushima University* Minami-Josanjima-cho, Tokushima, Japan
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*Bulletin of the Faculty of Engineering of Yokohama National University* Ohka-machi, Minami-ku, Yokohama, Japan
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*Bulletin Geodesique* Bureau Central de l'Association Internationale de Geodesie, 39 Rue Guy-Lussac, 75005 Paris, France
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*Bulletin of Geophysics* National Central University, Chung-Li, Taiwan, Republic of China
- Bull. Indian Natl. Sci. Acad.** - (BIDNAL)  
*Bulletin of the Indian National Science Academy* Bahadur Shar Zafar Marg, New Delhi 1, India
- Bull. Inf. Sci. & Tech. (France)** - (BUIAAN)  
*Bulletin d'Informations Scientifiques et Techniques* Centrale des Revues, Dunod/Gauthier-Villars, 26 Boulevard de l'Hopital, 75005 Paris, France
- Bull. Inst. At. Energy Kyoto Univ. (Japan)** - (KDGEA5)  
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*Bulletin of the Institute of Space and Aeronautical Science, University of Tokyo A* Tokyo, Japan
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*Bulletin of the Institute of Space and Aeronautical Science, University of Tokyo B* Tokyo, Japan
- Bull. Int. Sect. ISSA Prev. Occup. Risks Electr. (Germany)**  
*Bulletin of the International Section of the ISSA for the Prevention of Occupational Risks due to Electricity* Berufsgenossenschaft der Feinmechanik und Elektrotechnik, D-5000 Köln 51, Oberlander Ufer 130, Germany
- Bull. Isr. Phys. Soc. (Israel)** - (BIPYBD)  
*Bulletin of the Israel Physical Society* Israel Physical Society, c/o Hebrew University, Jerusalem, Israel
- Bull. Isr. Soc. Spec. Libr. & Inf. Cent. (Israel)** - (ISLBA2)  
*Bulletin Israel Society of Special Libraries and Information Centres* P.O. Box 20125, Tel Aviv, Israel
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- Bull. Kyushu Inst. Technol. (Sci. & Technol.) (Japan)** - (KKDKAN)  
*Bulletin of the Kyushu Institute of Technology (Science and Technology)* Tobata, Japan
- Bull. Kyushu Inst. Technol. Math. Nat. Sci. (Japan)** - (BKTMAA)  
*Bulletin of the Kyushu Institute of Technology. Mathematics, Natural Science* Tobato, Kitakyushu, Japan
- Bull. Math. Biol. (GB)** - (BMTBAP)  
*Bulletin of Mathematical Biology* Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 0BW, England
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*Bulletin of Mechanical Engineering Laboratory* 12-1 Igusa 4-chome, Sugami-ku, Tokyo, Japan

- Bull. Mineral. (France)** - (BULMD9)  
*Bulletin de Mineralogie* Masson, 120 Boulevard Saint-Germain, 75280 Paris Cedex 06, France
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*Bulletin of the Research Institute of Applied Electricity* The Research Institute of Applied Electricity, Hokkaido University, North 12 Street, West 6 Avenue, Kitaku, Sapporo City, Japan
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*Bulletin of the Research Laboratory for Nuclear Reactors* Tokyo Institute of Technology Oh-okayana, Meguro-ku, Tokyo, Japan
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*Bulletin of Research Laboratory of Precision Machinery and Electronics* Tokyo Institute of Technology, Nagatsuta, Midori-ku, Yokohama, Japan
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*Bulletin Scientifique de l'Association des Ingenieurs Electriciens sortis de l'Institut Electrotechnique Montefiore* 31 Rue Saint Gilles, 4000 Liege, Belgium
- Bull. Seismol. Soc. Am. (USA)** - (BSSAAP)  
*Bulletin of the Seismological Society of America* Seismological Society of America, 2620 Telegraph Avenue, Berkeley, CA 94704, USA
- Bull. Soc. Fr. Ceram. (France)** - (BFCEA2)  
*Bulletin de la Societe Francaise de Ceramique* Title changed to: *Ind. Ceram. (France)*
- Bull. Soc. Fr. Photogramm. & Teledetect. (France)** - (BSFTDK)  
*Bulletin Societe Francaise de Photogrammetrie et de Teledetection* 2 Avenue Pasteur, 94160 Saint-Mande, France
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*Bulletin des Societes des Physiciens de la Republique Socialiste de Macedoine* Faculte de Physique, Gazi Baba, Boite Postale, Skopje 91000, Yugoslavia
- Bull. Soc. R. Belge Electr. (Belgium)** - (BSREAW)  
*Bulletin de la Societe Royale Belge des Electriciens* 1 Place du Trone, 1000 Bruxelles, Belgium. Merged with Rev. E (Belgium) to form SRBE-KBVE (Belgium)
- Bull. Soc. R. Sci. Liege (Belgium)** - (BSRSA6)  
*Bulletin de la Societe Royale des Sciences de Liege* L'Universite, 15 Avenue des Tilleurs, Liege, Belgium
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*Bulletin of the Special Astrophysical Observatory-North Caucasus* [Translation of: *Astrofiz. Issled-Izv.Spets. Astrofiz. Obs. (USSR)*] Allerton Press Inc., 150 Fifth Avenue, New York, NY 10011, USA
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*Bulletin of the Technical University of Istanbul (Istanbul Teknik Universitesi Bulteni)* Taskisla, Istanbul, Turkey
- Bull. Tech. Vevey (Switzerland)** - (BTVVA8)  
*Bulletin Technique Vevey* Ateliers de Constructions Mecaniques de Vevey SA, Vevey, Switzerland
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*Bulletin of Tokyo Gakugei University. Series IV (Mathematics and Natural Sciences)* 4-1-1 Nukui-kita-machi, Koganei, Tokyo, Japan
- Bull. Univ. Osaka Prefect. Ser. A (Japan)** - (BSKAAJ)  
*Bulletin of University of Osaka Prefecture. Series A* University of Osaka Prefecture, Mozu, Sakai, Osaka, Japan
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*Bulletin of the Yamagata University (Engineering)* Yamagata, Japan
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*Bulletin of the Yamagata University (Natural Science)* Yamagata, Japan
- Burroughs Clearing House (USA)** - (BCLHAZ)  
*Burroughs Clearing House* Burroughs Corp., Box 418, Detroit, MI 48232, USA
- Bus. Matters (GB)** - (BUSMDA)  
*Business Matters* ECC Publications, 30-31 Islington Green, London N1 8BJ, England
- Bus. Syst. & Equip. (GB)** - (BSEQA3)  
*Business Systems and Equipment* Maclean-Hunter Ltd., 76 Oxford Street, London, W1, England
- BYTE (USA)** - (BYTEDJ)  
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*Comptes Rendus de l'Academie Bulgare des Sciences* Sofiya, Bulgaria
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*CA Magazine* Canadian Institute of Chartered Accountants, 250 Bloor Street East, Toronto, M4W 1G5, Canada
- Cable Telev. Eng. (GB)** - (CTEV B3)  
*Cable Television Engineering* Society of Cable Television Engineers, 10 Avenue Road, Dorridge, Solihull, Warwickshire, England
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*CAD/CAM Digest* CAD/CAM Publications Ltd., 170A Park Road, Peterborough, England
- Cah. Cent. Etud. Rech. Oper. (Belgium)** - (CCROAT)  
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- Calcolo (Italy)** - (CALOBK)  
*Calcolo* Istituto di Elaborazione della Informazione del CNR, Via S. Maria 46, 56100 Pisa, Italy
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*California Management Review* Graduate School of Business Administration, University of California, Berkeley, CA 94720, USA
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*CALPHAD: Computer Coupling of Phase Diagrams and Thermochemistry* Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England
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*Canadian Aeronautics and Space Journal* Canadian Aeronautics and Space Institute, Saxe Building, 60-75 Sparks Street, Ottawa, Ontario K1P 5A5, Canada
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*CBM/PET News* Verlag SCC AG, Seeburgstrasse 12, CH-6006 Luzern, Switzerland
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*CEGB Digest* Central Electricity Generating Board, Information Services, Sudbury House, 15 Newgate Street, London, EC1 7AU, England
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*CEGB Research* Central Electricity Generating Board, Courtenay House, 18 Warwick Lane, London, EC4P 4EB, England
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*CEGB Technical Disclosure Bulletin* Central Electricity Generating Board, Information Services, Sudbury House, 15 Newgate Street, London, EC1 7AU, England
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*Celestial Mechanics* D. Reidel Publishing Co., P.O. Box 17, 3300 AA Dordrecht, Netherlands
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*CEP (Chemical Engineering Progress)* American Institute of Chemical Engineers, 347 East 47th Street, New York, NY 10017, USA
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*Ceramics International* Formerly: *Ceramurgia Int. (GB)* Ceramurgia s.r.l., Corso Mazzini 54/3, I-48018 Faenza, Italy
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*Certificated Engineer* Institution of Certificated Mechanical & Electrical Engineers SA, P.O. Box 61019, Marshalltown, Transvaal, S. Africa

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*Chemical Physics Letters* North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands
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*Chemica Scripta* Royal Swedish Academy of Sciences, S-104 05 Stockholm 50, Sweden
- Chem. Tech. (Germany)** – (CHTEAA)  
*Chemische Technik* VEB Deutscher Verlag fur Grundstoffindustrie, 7031 Leipzig, Karl-Heine-Strasse 27, Germany
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*Chemtech* Formerly: *Chem. Technol. (USA)* American Chemical Society, 1115 Sixteenth Street, N.W., Washington, DC 20036, USA
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*Chinese Physics* American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA. Contains selected translations from current issues of major Chinese physics and astronomy journals
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*Chip* Vogel-Verlag, Postfach 67 40, D-8700 Wurzburg 1, Germany
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*Ci News* Issued with: *Ceram. Int. (Italy)*
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*Ciel et Terre* Societe Belge d'Astronomie, de Meteorologie et de Physique du Globe, Avenue Circulaire 3, 1180 Bruxelles, Belgium
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*Ciencia* Academia de la Investigacion Cientifica AC, Apartado Postal 69-692, Mexico 21, DF, Mexico
- CIM Bull. (Canada)** – (CIBUBA)  
*Canadian Mining and Metallurgical Bulletin* Canadian Institute of Mining and Metallurgy, 400 1130 Sherbrooke Street West, Montreal, Que. H3A 2M8, Canada
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*CIPS Review (Revue ACI)* Canadian Information Processing Society, National Office, 243 College Street, 5th Floor, Toronto, Ontario M5T 2Y1, Canada
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*CIRP Annals. (Annals of the International Institution for Production Engineering Research)* Hallwag Publishers, CIRP, Nordring 4, CH-3001 Bern, Switzerland
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*Clean Air* Clean Air Society of Australia and New Zealand, Editorial address: 75 Downshire Road, Elsternwick, Victoria 3185, Australia. Subscription address: 151 Northern Road, Heidelberg, Victoria 3081
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*Colloids and Surfaces* Elsevier Scientific Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands
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*Commentationes Physico-Mathematicae* Societas Scientiarum Fennica, Snellmansgatan 9-11, 00170 Helsinki 17, Finland
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*Computer Performance* IPC Science and Technology Press Ltd., P.O. Box 63, Westbury House, Bury Street, Guildford, Surrey GU2 5BH, England

**Comput. Peripherals Rev. (USA) - (CPRDX)**

*Computer Peripherals Review* GML Corp., 594 Marrett Road, Lexington, MA 02173, USA

**Comput. Pers. (USA) - (CPPNB6)**

*Computer Personnel* Association for Computing Machinery, 1133 Avenue of the Americas, New York, NY 10036, USA

**Comput. Phys. Commun. (Netherlands) - (CPHCBZ)**

*Computer Physics Communications* North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

**Comput. Prod. Int. (GB) - (CPRID3)**

*Computer Products International* IPC Electrical-Electronic Press Ltd., Dorset House, Stamford Street, London, SE1 9LU, England

**Comput. Programs Biomed. (Netherlands) - (COPMBU)**

*Computer Programs in Biomedicine* Elsevier/North-Holland Biomedical Press, P.O. Box 211, 1000 AE Amsterdam, Netherlands

**Comput. Psychiatry/Psychol. (USA)**

*Computers in Psychiatry/Psychology* Dr. M.D. Schwartz, 26 Trumbull Street, New Haven, CT 06511, USA

**Comput. Rev. (USA) - (CMRVCK)**

*Computer Review* GML Corp., 594 Marrett Road, Lexington, MA 02173, USA

**Comput. Surv. (GB) - (COSVA3)**

*Computer Survey* United Trade Press, 42/43 Gerrard Street, London, W1V 7LP, England

**Comput. Surv. (USA) - (CMSVAN)**

*Computing Surveys* Association for Computing Machinery, 1133 Avenue of the Americas, New York, NY 10036, USA

**Comput. Talk (GB) - (CMPTB3)**

*Computer Talk* Talk Publications Ltd., 89-91 Wardour Street, London W1V 3TF, England

**Comput. Terminals Rev. (USA) - (COTRDX)**

*Computer Terminals Review* GML Corp., 594 Marrett Road, Lexington, MA 02173, USA

**Comput. Times (USA) - (CMTMD4)**

*Computer Times* Formerly: *Minicomput. News (USA)* Hayden Publishing Co. Inc., 1050 Commonwealth Avenue, Boston, MA 02215, USA

**Comput. Times with Computacards (GB) - (COTID6)**

*Computer Times with Computacards* Walker Ellis Ltd., 26 Lyons Drive, Worplesdon, Nr. Guildford, Surrey GU2 6BR, England

**Comput. Today (GB) - (COMTD4)**

*Computing Today* 145 Charing Cross Road, London WC2H 0EE, England

**Comput. Tomogr. (GB) - (CTOMDS)**

*Computerized Tomography* Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

**Comput. Week (S. Africa)**

*Computer Week* 7th Floor, Rennie House, 19 Ameshoff Street, Braamfontein, Johannesburg, South Africa

**Comput. Wkly. (GB) - (COMWAA)**

*Computer Weekly* IPC Business Press Ltd., 40 Bowling Green Lane, London, EC1R 0NE, England

**Comput./Law J. (USA) - (COLJD3)**

*Computer/Law Journal* Center for Computer/Law, 530 West Sixth Street, 10th Floor, Los Angeles, CA 90014, USA

**Compute (USA) - (CMPTD5)**

*Compute* National Semiconductor Corp., 2900 Semiconductor Drive, Santa Clara, CA 95051, USA

**Computer (USA) - (CPTRB4)**

*Computer* Institute of Electrical and Electronic Engineers Computer Society, 5855 Naples Plaza, Suite 301, Long Beach, CA 90803, USA

**Computerworld (USA) - (CMPWAB)**

*Computerworld* CW Communications Inc., Box 880, 375 Cochituate Road, Framingham, MA 01701, USA

**Computerworld UK (GB) - (COUKDH)**

*Computerworld UK* Thomson Computerworld UK Ltd., 146/148 Clerkenwell Road, London EC1R 5DJ, England

**Computing (Austria) - (CMPTA2)**

*Computing* Springer-Verlag, A-1011 Wien, Molkerbastei 5, Postfach 367, Austria

**Computing (GB) - (CPTGB5)**

*Computing* Computing Publications Ltd., 55 Frith Street, London W1A 2HG, England

**Computing (Suppl.) (Austria) - (COSPDM)**

*Computing (Supplementum)* Issued with: *Computing (Austria)*

**COMSAT Tech. Rev. (USA) - (CSTRCQ)**

*COMSAT Technical Review* Communications Satellite Corp., 950 L'Enfant Plaza, S.W., Washington, DC 20024, USA

**Comunicaciones (Cuba) - (COMUB5)**

*Comunicaciones* Centro de Informacion de Comunicaciones, Ministerio de Comunicaciones, Habana, Cuba

**Contemp. Phys. (GB) - (CTPHAF)**

*Contemporary Physics* Taylor and Francis Ltd., 10-14 Macklin Street, London, WC2B 5NF, England

**Contrib. Atmos. Phys. (Germany) - (BPYAAAY)**

*Contributions to Atmospheric Physics (Beiträge zur Physik der Atmosphäre)* Friedr. Vieweg & Sohn Verlagsgesellschaft mbH, P.O. Box 5829, D-6200 Wiesbaden, Germany

- Contrib. Geophys. Inst. Slovak Acad. Sci. (Czechoslovakia)** - (CGISAO)  
*Contributions of the Geophysical Institute of the Slovak Academy of Sciences* Dubravská Cesta, 842 28 Bratislava, Czechoslovakia
- Contrib. Geophys. Inst. Slovak Acad. Sci. Ser. Meteorol. (Czechoslovakia)** - (CGIMD9)  
*Contributions of the Geophysical Institute of the Slovak Academy of Sciences, Series of Meteorology* Dubravská cesta, 842 28 Bratislava, Czechoslovakia
- Contrib. Inst. Low Temp. Sci. Ser. A (Japan)** - (CLTSBD)  
*Contributions from the Institute of Low Temperature Sciences, Series A* Hokkaido University, Sapporo, Japan
- Control & Cybern. (Poland)** - (CCYBAP)  
*Control and Cybernetics* Panstwowe Wydawnictwo Naukowe, W-WA, Miodowa 10, Warszawa, Poland
- Control & Instrum. (GB)** - (CTLIAW)  
*Control & Instrumentation* Morgan-Grampian (Publishers) Ltd., Morgan-Grampian House, Calderwood Street, London, SE18 6QH, England
- Control Cibern. & Autom. (Cuba)** - (CCAABZ)  
*Control Cibernética y Automatización* Centro de Automatización Industrial (C.A.I.), Paseo No. 452 esq. a 19, Vedado, Habana 4 (Apdo. 4019), Cuba
- Control Eng. (USA)** - (CENGAX)  
*Control Engineering* Dun-Donnelly Publishing Corp., 666 Fifth Avenue, New York, NY 10019, USA
- Controller (Germany)** - (CTLRAP)  
*The Controller* International Federation of Air Traffic Controllers' Associations, S.C. 11, 6 Frankfurt am Main 60, Bornheimer Landwehr 57a, Germany
- Corros. Sci. (GB)** - (CRRSAA)  
*Corrosion Science* Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 0BW, England
- Corrosion (USA)** - (CORRAK)  
*Corrosion* National Association of Corrosion Engineers, 1440 South Creek, Houston, TX 77084, USA
- Cosmic Res. (USA)** - (CSCRA7)  
*Cosmic Research* [Translation of: *Kosm. Issled. (USSR)*] Consultants Bureau, 227 West 17th Street, New York, NY 10011, USA
- Cost & Manage. (Canada)** - (CSTMA9)  
*Cost and Management* Society of Management Accountants of Canada, 154 Main Street, Hamilton, Ontario L8N 3C3, Canada
- Cost Eng. (USA)** - (CSTEDM)  
*Cost Engineering* American Association of Cost Engineers Inc., 308 Monongahela Building, Morgantown, WV 26505, USA
- Courr. Norm. (France)** - (CONOAP)  
*Courrier de la Normalisation* Association Française De Normalisation, Tour Europe Cedex 7, 92080 Paris La Defense, France
- CQ Radio Amat. J. (USA)** - (CQCAQO)  
*CQ Radio Amateur's Journal* 76 North Broadway, Hicksville, NY 11801, USA
- CRC Crit. Rev. Bioeng. (USA)** - (CRBEAO)  
*CRC Critical Reviews in Bioengineering* CRC Press Inc., 2255 Palm Beach Lakes Boulevard, West Palm Beach, FL 33409, USA
- CRC Crit. Rev. Solid State & Mater. Sci. (USA)** - (CCRSDA)  
*CRC Critical Reviews in Solid State and Materials Sciences* CRC Press Inc., 18901 Cranwood Parkway Cleveland, OH 44128, USA
- Creative Comput. (USA)** - (CCOMDB)  
*Creative Computing* P.O. Box 789-M, Morristown, NJ 07960, USA
- Cryogenics (GB)** - (CRYOAX)  
*Cryogenics* IPC Science and Technology Press Ltd., Westbury House, Bury Street, Guildford, Surrey GU2 5AW, England
- Cryst. Lattice Defects (GB)** - (CLADA8)  
*Crystal Lattice Defects* Gordon & Breach Science Publishers Ltd., 41 and 42 William IV Street, London, WC2, England
- Cryst. Res. & Technol. (Germany)** - (CRTEFD)  
*Crystal Research and Technology* Formerly: *Krist. & Tech. (Germany)* Akademie-Verlag, DDR-1080 Berlin, Leipziger Strasse 3-4, Germany
- CSELT Rapp. Tec. (Italy)** - (CSELBY)  
*CSELT Rapporti Tecnici* CSELT - Centro Studi e Laboratori Telecomunicazioni, Torino, Via Guglielmo Reiss Romoli 274, Italy
- CSIO Commun. (India)** - (CSIOBT)  
*CSIO Communications* Central Scientific Instruments Organisation, Sector 30, Chandigarh-160020, India
- Curr. Sci. (India)** - (CUSCAM)  
*Current Science* Current Science Association, Raman Research Institute, Bangalore 560006, India
- Cursor (GB)** - (CURSDY)  
*Cursor* ACT Petsoft, Radclyffe House, 66-68 Hagley Road, Edgbaston, Birmingham B16 8PF, England. Available only on computer cassette tape of Commodore format
- Cybern. & Syst. (USA)** - (CYSYDH)  
*Cybernetics and Systems* Formerly: *J. Cybern. (USA)* Hemisphere Publishing Corp., 1025 Vermont Avenue, N.W., Washington, DC 20005, USA
- Cybernetica (Belgium)** - (CYBEA5)  
*Cybernetica* International Association for Cybernetics, Place Andre Rijckmans, Namur, Belgium
- Cybernetics (USA)** - (CYBNAW)  
*Cybernetics* [Translation of: *Kibernetika (USSR)*] Consultants Bureau, 227 West 17th Street, New York, NY 10011, USA
- Czech. Heavy Ind. (Czechoslovakia)** - (CZHIK)  
*Czechoslovak Heavy Industry* Rapid, 13 UL, 28 Rijna, 11279 Praha 1, Czechoslovakia
- Czech. J. Phys. Sect. B (Czechoslovakia)** - (CZYPAO)  
*Czechoslovak Journal of Physics, Section B* Academia, Publishing House of the Czechoslovak Academy of Sciences, Votická 40, 112 29 Praha 1, Czechoslovakia
- Daedalus (USA)** - (DAEDAU)  
*Daedalus (Proceedings of the American Academy of Arts and Sciences)* 165 Allandale Street, Jamaica Plain Station, Boston, MA 02130, USA
- Dainichi-Nippon Cables Rev. (Japan)** - (DNDJAW)  
*Dainichi-Nippon Cables Review* Dainichi-Nippon Cables Ltd., Umeda Bldg., 7-3 Umdeba, Kita-ku, Osaka, Japan
- Danfoss J. (Denmark)** - (DNFJA8)  
*Danfoss Journal* Danfoss Manufacturing Co., Nordborg, Denmark
- Data (Denmark)** - (DAATDR)  
*Data* Kronprinsensgade 14, Box 113, 1004 København K, Denmark
- Data Base (USA)** - (DTBSAN)  
*Data Base* Association of Computing Machinery, 1133 Avenue of the Americas, New York, NY 10036, USA
- Data Manage. (USA)** - (DTAMBZ)  
*Data Management* Data Processing Management Association, 505 Busse Highway, Park Ridge, IL 60068, USA
- Data Process. Pract. (GB)** - (DPPTAY)  
*Data Processing Practitioner* Institute of Data Processing Ltd., Walter House, 418-422 Strand, London WC2R 0PW, England
- Data Processing (GB)** - (DPROAT)  
*Data Processing* IPC Electrical-Electronic Press Ltd., 79-80 Blackfriars Road, London SE1 8HN, England
- Data Processor (USA)** - (DATPA5)  
*Data Processor* Data Processing Division, International Business Machines Corp., 1133 Westchester Avenue, White Plains, NY 10604, USA
- Data Rep. (Germany)** - (DARPAT)  
*Data Report* Siemens Aktiengesellschaft, Hellabrunner Strasse 1, 8000 München 90, Germany
- Data Syst. (GB)** - (DASYAR)  
*Data Systems* Embankment Press Ltd., Building 59, GEC Estate, East Lane, Wembley, Middx HA9 7TQ, England
- Database (USA)** - (DTBSDQ)  
*Database* Online Inc., 11 Tannery Lane, Weston, CT 06883, USA
- Database J. (GB)** - (DAJODN)  
*Database Journal* A.P. Publications Ltd., 322 St. John Street, London EC1V 4QH, England
- Datalink (GB)** - (DTLNDR)  
*Datalink* 76 Dean Street, London, W1A 1BU, England
- Datamation (USA)** - (DTMNAT)  
*Datamation* Technical Publishing Co., 1301 South Grove Avenue, Barrington, IL 60010, USA
- DB Sound Eng. Mag. (USA)**  
*DB, The Sound Engineering Magazine* Sagamore Publishing Co., 1120 Old Country Road, Plainview, LI, NY 11803, USA
- Decis. Sci. (USA)** - (DESCDQ)  
*Decision Sciences* American Institute for Decision Sciences, University Plaza, Atlanta, GA 30303, USA
- Deep-Sea Res. Part A (GB)** - (DESRAY)  
*Deep-Sea Research Part A, Oceanographic Research Papers* Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England
- Def. Electron. (USA)** - (DEELDH)  
*Defense Electronics* EW Communications Inc., 1170 East Meadow Drive, Palo Alto, CA 94303, USA
- Def. Sci. J. (India)** - (DSJOAA)  
*Defense Science Journal* Metcalfe House, Delhi 110054, India
- Defektoskopiya (USSR)** - (DEFKAG)  
*Defektoskopiya* Academy of Sciences of the USSR, Moskva, USSR [English translation in: *Sov. J. Nondestr. Test. (USA)*]
- Delft Prog. Rep. (Netherlands)** - (DPRED2)  
*Delft Progress Report* Delft University Press, Mijnbouwplein 11, 2628 RT Delft, Netherlands
- Des. Eng. (GB)** - (DEMCSB)  
*Design Engineering* Morgan-Grampian (Publishers) Ltd., Morgan-Grampian House, Calderwood Street, London, SE18 6QH, England
- Desalination (Netherlands)** - (DSLNAH)  
*Desalination* Elsevier Scientific Publishing Co., P.O. Box 330, 1000 AH Amsterdam, Netherlands
- Dialogoye Sist. (USSR)**  
*Dialogoye Sistemy* Izdatel'stvo 'Zinatne', Riga, USSR
- Digital Des. (USA)** - (DIDEDJ)  
*Digital Design* Benwill Publishing Corp., 1050 Commonwealth Avenue, Boston, MA 02215, USA
- Digital Processes (Switzerland)** - (DGPRBY)  
*Digital Processes* Georgi Publishing Co., CH-1813 St. Saphorin, Switzerland
- Digital Syst. Ind. Autom. (USA)** - (DSIADY)  
*Digital Systems for Industrial Automation* Crane Russak & Co. Inc., 3 East 44th Street, New York, NY 10017, USA
- Dimensions NBS (USA)** - (NBSTAR)  
*Dimensions NBS* U.S. Department of Commerce, Washington, DC 20234, USA
- DISA Inf. (Denmark)** - (DISIAZ)  
*Danske Industri Syndikat A/S Information* Disa Elektronik A/S, DK-2740 Skovlunde, Denmark
- Discrete Appl. Math. (Netherlands)** - (DAMADU)  
*Discrete Applied Mathematics* North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands
- Discrete Math. (Netherlands)** - (DSMHA4)  
*Discrete Mathematics* North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands
- Disp. Technol. & Appl. (GB)** - (DISPD)  
*Displays, Technology and Applications* IPC Science and Technology Press Ltd., P.O. Box 63, Westbury House, Bury Street, Guildford GU2 5BH, Surrey, England
- Doc. & Bibl. (Canada)** - (DCBBBO)  
*Documentation et Bibliothèques* Association Canadienne des Bibliothécaires de Langue Française, 360 rue Le Moyne, Montreal 125, Canada
- Documentaliste (France)** - (DCMTAU)  
*Documentaliste* A.D.B.S., 5 Avenue Franco-Russe, 75007 Paris, France
- Dokl. Akad. Nauk SSSR** - (DANKAS)  
*Doklady Akademii Nauk SSSR* Editorial address: 117874 GSP-7 Moskva B-485, Profsoyuznaya Ul. 90 Kom. 533, USSR [English translations of selected articles in: *Sov. Phys.-Dokl. (USA)*]
- Dokl. Biophys. (USA)** - (DOKBAG)  
*Doklady Biophysics* Consultants Bureau, 227 West 17th Street, New York, NY 10011, USA. (Translation of the Biophysics Section of *Doklady Akademii Nauk SSSR*)
- Dopov. Akad. Nauk UkrSR. Ser. A (USSR)** - (DUKABM)  
*Dopovidi Akademii Nauk Ukrains'koi RSR. Seriya A Fiziko-Tekhnichni ta Matematichni Nauki* Izdatel'stvo 'Naukova Dumka', 252601 Kiev, MSP, Repina 3, USSR
- Dr. Dobb's J. (USA)**  
*Dr. Dobb's Journal* Formerly: *Dr. Dobb's J. Comput. Calisthenics & Orthod. (USA)* People's Computer Co., Box E, 1263 El Camino Real, Menlo Park, CA 94025, USA
- Dr. Dobb's J. Comput. Calisthenics & Orthod. (USA)** - (DDJODA)  
*Dr. Dobb's Journal of Computer Calisthenics & Orthodontia* Title changed to: *Dr. Dobb's J. (USA)*

- Dyn. Atmos. & Oceans (Netherlands)** – (DAOCD)C)  
*Dynamics of Atmospheres and Oceans* Elsevier Scientific Publishing Co.,  
 P.O. Box 330, 1000 AH Amsterdam, Netherlands
- Dyna (Spain)** – (DYNAU)  
*Dyna* Association Nacional De Ingenieros Industriales de Espana, AL.  
 Mazarredo, 69, 5 Bilbao 9, Apartado 646, Spain
- Earth & Extraterr. Sci. (GB)** – (EEXSA5)  
*Earth and Extraterrestrial Sciences* Gordon and Breach Science Publishers Ltd., 41 and 42 William IV Street, London WC2, England
- Earth & Planet. Sci. Lett. (Netherlands)** – (EPSLA2)  
*Earth and Planetary Science Letters* Elsevier Scientific Publishing Co.,  
 P.O. Box 211, 1000 AE Amsterdam, Netherlands
- Earth Surf. Processes & Landforms (GB)** – (ESPLDB)  
*Earth Surface Processes and Landforms* Formerly: *Earth Surf. Processes (GB)* John Wiley & Sons Ltd., Baffins Lane, Chichester, West Sussex PO19 1UD, England
- Earth Surf. Processes (GB)** – (ESPRDT)  
*Earth Surface Processes* Title changed to: *Earth Surf. Processes & Landforms (GB)*
- Earthquake Eng. & Struct. Dyn. (GB)** – (IJEEBG)  
*Earthquake Engineering & Structural Dynamics* John Wiley & Sons Ltd., Baffins Lane, Chichester, Sussex PO19 1UD, England
- Earthquake Not. (USA)** – (EAQNT)  
*Earthquake Notes* Eastern Section, Seismological Society of America, Printing and Photographic Center, Georgia Institute of Technology, Atlanta, GA 30332, USA
- EBI (Educ. Broadcast. Int.) (GB)** – (EBINAU)  
*EBI (Educational Broadcasting International)* Published for the British Council by Peter Peregrinus Ltd., P.O. Box 8, Southgate House, Stevenage, Herts. SG1 1HQ, England
- EBU Rev. Tech. (Belgium)** – (EBUTA6)  
*EBU Review, Technical* Technical Centre of the European Broadcasting Union, Avenue Albert Lancaster 32, B-1180 Bruxelles, Belgium
- EC-Nyt (Denmark)** – (ECNTDF)  
*EC-Nyt* Issued with: *Elektronik (Denmark)*
- Echo Rech. (France)** – (ECRCFA)  
*L'Echo des Recherches* Centre National d'Etudes des Telecommunications, 38 Rue du General Leclerc, 92 131 Issy-les-Moulineaux, France
- Econ. Comput. & Econ. Cybern. Stud. & Res. (Rumania)** – (ECECAI)  
*Economic Computation and Economic Cybernetics Studies and Research* Centre of Economic Computation and Economic Cybernetics, Bucuresti, Rumania
- ECTJ (USA)** – (EECTD8)  
*ECTJ* Association for Educational Communications and Technology, 1126 16th Street, N.W., Washington, DC 20036, USA
- EDN (USA)** – (EDNSBH)  
*EDN* Cahners Publishing Co. Inc., 221 Columbus Avenue, Boston, MA 02116, USA
- EDP Anal. (USA)** – (EDPAA6)  
*EDP Analyzer* Canning Publications Inc., 925 Anza Avenue, Vista, CA 92083, USA
- EDP Performance Rev. (USA)** – (EDPRDQ)  
*EDP Performance Review* Applied Computer Research, 3003 West Northern Suite 3, Phoenix, AZ 85021, USA
- EDPACS (USA)** – (EDPCDF)  
*EDPACS* Automation Training Center Inc., 11250 Roger Bacon Drive, Suite 17, Reston, VA 22090, USA
- Educ. + Train. (GB)**  
*Education + Training* A.B.E. Publications, 3 Station Parade, Balham High Road, London SW12 9AZ, England
- Educ. Comput. (GB)** – (EDCODK)  
*Educational Computing* Educational Computing Ltd., 30-31 Islington Green, London, N1, England
- Educ. Stud. Math. (Netherlands)** – (EDSMAN)  
*Educational Studies in Mathematics* D. Reidel Publishing Co., P.O. Box 17, Dordrecht, Netherlands
- Educ. Technol. (USA)** – (EDTCAW)  
*Educational Technology* Educational Technology Publications Inc., 140 Sylvan Avenue, Englewood Cliffs, NJ 07632, USA
- EDUCOM Bull. (USA)** – (EDCMAB)  
*EDUCOM Bulletin* Box 364, Rosedale Road, Princeton, NJ 08540, USA
- Eesti NSV Tead. Akad. Fuus. Inst. Uurim. (USSR)** – (ENTUDN)  
*Eesti NSV Teaduste Akadeemia Fuusika Instituudi Uurimused* Formerly: *Eesti NSV Tead. Akad. Fuus. & Astron. Inst. Uurim. (USSR)* Akademiil Nauk ESSR, Tallin, USSR
- Egypt. Comput. J.**  
*Egyptian Computer Journal* Cairo University, Institute of Statistical Studies and Research, P.O. Box 1017, 5 Tharwat Street, Orman, Giza, Egypt
- Eisenbahningenieur (Germany)** – (ESBGAP)  
*Eisenbahningenieur* Tetzlaff Verlag GmbH, Postfach 40 06, Havelstrasse 9, D-6100 Darmstadt 1, Germany
- Eisenbahntechnik (Germany)** – (DETEBZ)  
*Eisenbahntechnik* VEB Verlag Technik, 102 Berlin, Oranienburger Strasse 13/14, Germany
- Ekon.-Mat. Obz. (Czechoslovakia)** – (EKMOBF)  
*Ekonomicko-Matematicky Obzor* Academia, Publishing House of the Czechoslovak Academy of Sciences, Vodicova 40, 112 29 Praha 1, Czechoslovakia
- El & Energi Elektrotek. (Denmark)** – (EEELDS)  
*El & Energi Elektrotekniker* Rosenorns Alle 9, 1970 Kobenhavn V, Denmark
- Electr. & Mech. Executive Eng. (GB)** – (EMEEDT)  
*Electrical and Mechanical Executive Engineer* Formerly: *Executive Eng. (GB)* Association of Supervisory and Executive Engineers, Wix Hill House, West Horsley, Surrey KT24 6DZ, England
- Electr. Automob. (France)** – (ELATAA)  
*L'Electricite Automobile* 59 Rue du Faubourg-Poissonniere, 75009 Paris, France
- Electr. Conf. Cond. News (USA)** – (ECCNDA)  
*Electric Comfort Conditioning News* Electrical Information Publications Inc., 2132 Fordem Avenue, Madison, WI 53701, USA
- Electr. Commun. (GB)** – (ELCMAX)  
*Electrical Communication* International Telephone & Telegraph Corp., 190 Strand, London, WC2R 1DU, England
- Electr. Commun. Lab. Tech. J. (Japan)** – (TJECAS)  
*Electrical Communication Laboratories Technical Journal* Nippon Telegraph and Telephone Public Corp., 1551 Kichijoji, Musashino-shi, Tokyo, Japan
- Electr. Constr. & Maint. (USA)** – (ECOMAU)  
*Electrical Construction and Maintenance* McGraw-Hill Publishing Co., 1221 Avenue of the Americas, New York, NY 10020, USA
- Electr. Contract. (GB)** – (ECTCBQ)  
*Electrical Contractor* Electrical Contractors' Association, ESCA House, 34 Palace Court, London W2 4HY, England
- Electr. Eng. (Australia)** – (ELEMA9)  
*Electrical Engineer* Thompson Publishing (Australia) Pty. Ltd., 47 Chippen Street, Chippendale, N.S.W. 2008, Australia
- Electr. Eng. Jpn. (USA)** – (EENJAU)  
*Electrical Engineering in Japan* Scripta Publishing Corp., 1511 K Street, N.W., Washington, DC 20005, USA. English translation of Trans. Inst. Electr. Eng. Jpn. Parts A, B and C (Japan)
- Electr. Eng. Rev. (Pakistan)** – (EERPAY)  
*Electrical Engineering Review* West Pakistan University of Engineering and Technology, Lahore-31, Pakistan
- Electr. Equip. (GB)** – (ELEQBM)  
*Electrical Equipment* Business Publications Ltd., 109-119 Waterloo Road, London, SE1 8UL, England
- Electr. India** – (EIDAAF)  
*Electrical India* Indian Electrical Manufacturer's Association, 14 Sihd Prasad, Ghatkopar-Mohul Road, Tilak Nagar, P.O. Bombay 400-089, India
- Electr. Mach. & Electromech. (USA)** – (EMELDG)  
*Electric Machines and Electromechanics* Hemisphere Publishing Corp., 1025 Vermont Avenue, N.W., Washington, DC 20005, USA
- Electr. Power Syst. Res. (Switzerland)** – (EPSRDN)  
*Electric Power Systems Research* Elsevier Sequoia S.A., P.O. Box 851, CH-1001 Lausanne 1, Switzerland
- Electr. Rev. (GB)** – (ELREAG)  
*Electrical Review* IPC Electrical-Electronic Press Ltd., Dorset House, Stamford Street, London, SE1 9LU, England
- Electr. Technol. USSR (GB)** – (ELTGAW)  
*Electric Technology USSR* [Translation of: *Elektrichestvo (USSR)*] Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England
- Electr. Times (GB)** – (ELTIA4)  
*Electrical Times* Dorset House, Stamford Street, London, SE1 9LU, England
- Electr. Veh. Dev. (GB)** – (EVEDDJ)  
*Electric Vehicle Developments* Institution of Electrical Engineers, Savoy Place, London WC2R 0BL, England
- Electr. World (USA)** – (ELW0A3)  
*Electrical World* McGraw-Hill Publishing Co., 1221 Avenue of the Americas, New York, NY 10020, USA
- Electra (France)** – (ECTR33)  
*Electra* 112 Boulevard Hausmann, 75008 Paris, France
- Electricidade (Portugal)** – (ELDDAB)  
*Electricidade* Empresa Editorial Electrotecnica Edel, Rua de Dona Estefania, 48, 3., Esq., Lisboa 1, Portugal
- Electricite (Belgium)** – (ELTCAK)  
*Electricite. Revue de l'Union des Exploitations Electriques en Belgique* galerie Ravenstein 4, Bte 6, 1000 Bruxelles, Belgium
- Electro Cour. (Germany)** – (ELCOD8)  
*Electro Courier* Siemens Aktiengesellschaft, 8520 Erlangen 2, Postfach 3240, Germany
- Electro-Opt. Syst. Des. (USA)** – (EOSDB6)  
*Electro-Optical Systems Design* Milton S. Kiver Publications Inc., 222 West Adams, Chicago, IL 60606, USA
- Electro-Rev. (Switzerland)** – (ERVU0A)  
*Electro-Revue* 8027 Zurich, Spugenstrasse 6, Switzerland
- Electro-Technol. (India)** – (ELTEAQ)  
*Electro-Technology* Society of Electronic Engineers, Electronics & Radar Development Establishment, Bangalore 1, India
- Electroacoustique (Belgium)** – (ELACBS)  
*Electroacoustique* Universite de Liege, Laboratoire d'Electroacoustique, Liege, Belgium
- Electrochem. Ind. Process. & Biol. (GB)** – (EIPBBB)  
*Electrochemistry in Industrial Processing and Biology* [Translation of: *Elektron. Obrab. Mater. (USSR)*] Scientific Information Consultants Ltd., 661 Finchley Road, London, NW2 2HN, England
- Electrochim. Acta (GB)** – (ELCAAV)  
*Electrochimica Acta* Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 0BW, England
- Electrocompon. Sci. & Technol. (GB)** – (ECSTC5)  
*Electrocomponent Science and Technology* Gordon and Breach Science Publishers Ltd., 41 and 42 William IV Street, London, WC2, England
- Electroencephalogr. & Clin. Neurophysiol. (Netherlands)** – (ECNEAZ)  
*Electroencephalography and Clinical Neurophysiology* Elsevier Scientific Publishing Co., P.O. Box 211, Amsterdam, Netherlands
- Electromedica (Germany)** – (ELMCBK)  
*Electromedica* Siemens Aktiengesellschaft, Medical Engineering Group, 8520 Erlangen, Henkestrasse 127, Germany
- Electromyography & Clin. Neurophysiol. (Belgium)** – (EMCNA9)  
*Electromyography and Clinical Neurophysiology* Nauwelaerts Publishing House, Muntstraat 10, Louvain, Belgium
- Electron (Canada)** – (ELTNBK)  
*Electron* Title changed to: *Audio Scene Can. (Canada)*
- Electron (GB)** – (ELTNCL)  
*Electron* IPC Electrical-Electronic Press Ltd., Dorset House, Stamford Street, London, SE1 9LU, England
- Electron Technol. (Poland)** – (ETNTAT)  
*Electron Technology* Instytut Technologii Elektronowej, Al. Lotnikow 32/46, 02-668 Warszawa, Poland
- Electron. & Appl. Ind. (France)** – (EAINDQ)  
*Electronique & Applications Industrielles* Societe des Editions Radio, 9 Rue Jacob, 75006 Paris, France. Merged with Autom. & Inf. Ind. to form Electron. Ind. (France)
- Electron. & Commun. (Canada)** – (ECEPAN)  
*Electronics and Communications* Southam Business Publications Ltd., 1450 Don Mills Road, Don Mills, Ontario, Canada
- Electron. & Commun. Jpn. (USA)** – (EOJAL)  
*Electronics and Communications in Japan* Scripta Publishing Corp., 1511 K Street N.W., Washington, DC 20005, USA. English translation of selected articles from Trans. Inst. Electron. & Commun. Eng. A, B, C, D, (Japan)

- Electron. & Power (GB)** - (ELPWAQ)  
*Electronics and Power. Journal of the Institution of Electrical Engineers*  
Savoy Place, London, WC2R 0BL, England
- Electron. Aust. (Australia)** - (EAUSAU)  
*Electronics Australia* Editorial address: 57-59 Regent Street, Sydney 2008, Australia
- Electron. Components & Appl. (Netherlands)** - (ECAPD6)  
*Electronic Components & Applications* N.V. Philips' Gloeilampenfabrieken, Elcoma Marketing Communications, Eindhoven, Netherlands. Mul-lard Ltd., Technical Publications Department, New Road, Mitcham, Surrey CR4 4XY
- Electron. Des. (USA)** - (ELODAW)  
*Electronic Design* Hayden Publishing Co. Inc., 50 Essex Street, Rochelle Park, NJ 07662, USA
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*Electronic Engineering* Morgan-Grampian (Publishers) Ltd., Morgan-Grampian House, Calderwood Street, London, SE18 6QH, England
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*Electronic Equipment News* Business Publications Ltd., 109/119 Waterloo Road, London SE1 8UL, England
- Electron. Ind. (France)** - (EIDUDA)  
*Electronique Industrielle* Societe des Editions Radio, 9 rue Jacob, 75006 Paris, France
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*Electronics Information and Planning* IPAG, Electronics Commission, C-5/18 Safdarjung Development Area, New Delhi 110016, India
- Electron. Lett. (GB)** - (ELLEAK)  
*Electronics Letters* Institution of Electrical Engineers, Savoy Place, London, WC2R 0BL, England
- Electron. Packag. & Prod. (USA)** - (ELPPA5)  
*Electronic Packaging and Production* Milton S. Kiver Publications Inc., 222 West Adams Street, Chicago, IL 60606, USA
- Electron. Prod. (GB)** - (ELPDB4)  
*Electronic Production* Kiver-Patterson Publishing, 322 St. John Street, London EC1, England
- Electron. Prod. Des. (GB)** - (EPDEDB)  
*Electronic Product Design* Techpress Publishing Co. Ltd., Holwood House, 24 Holwood Road, Bromley, Kent BR1 3EB, England
- Electron. Prog. (USA)** - (ELTPAP)  
*Electronic Progress* Raytheon Co., Lexington, MA 02173, USA
- Electron. Publ. Rev. (GB)** - (EPURDX)  
*Electronic Publishing Review* Learned Information Ltd., Besselsleigh Road, Abingdon, Oxford OX13 6LG, England
- Electron. Technol. (GB)** - (ETSTDN)  
*Electronic Technology* Society of Electronic and Radio Technicians, 57-61 Newington Causeway, London SE1 6BL, England
- Electron. Test (USA)** - (ELTEDT)  
*Electronics Test* Benwill Publishing Corp., 1050 Commonwealth Avenue, Boston, MA 02215, USA
- Electron. Today (India)** - (ETAYAD)  
*Electronics Today* 4-A Naaz Bldg., Lamington Road, Bombay-4, India
- Electron. Today Int. (GB)** - (ETINDN)  
*Electronics Today International* Modmags Ltd., 145 Charing Cross Road, London WC2H 8DE, England
- Electronics (USA)** - (ELECAD)  
*Electronics* McGraw-Hill Publishing Co., 1221 Avenue of the Americas, New York, NY 10020, USA
- Electrophotography (Japan)** - (ELPYAW)  
*Electrophotography* Society of Electrophotography of Japan, Tokyo, Japan
- Electrotechnology (GB)** - (ETNYBB)  
*Electrotechnology* Formerly: *Electr. & Electron. Tech. Eng. (GB)* Institution of Electrical and Electronics Technician Engineers, 2 Savoy Hill, London, WC2R 0BS, England
- Electrotech. Electron. & Autom. Autom. & Electron. (Rumania)** - (EAAEDR)  
*Electrotehnica, Electronica si Automatica. Automatica si Electronica* O.I.D.-M.I.C.M.U.E., Bucuresti, Calea Victoriei nr. 133, Rumania
- Electrotech. Electron. & Autom. Electrotech. (Rumania)** - (EEAEDL)  
*Electrotehnica, Electronica si Automatica. Electrotehnica* O.I.D.-M.I.C.M.U.E., Bucuresti, Calea Victoriei nr. 133, Rumania
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*Elektor* Elektor Publishers Ltd., Elektor House, 10 Longport, Canterbury CT1 1PE, England
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- Elektr. Bahnen (Germany)** - (ELBAAQ)  
*Elektrische Bahnen* R. Oldenbourg Verlag GmbH, 8 Munchen 80, Rosenheimer Strasse 145, Germany
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*Elektrische Energie-Technik* Dr. Alfred Huthig Verlag GmbH, Im Weiher 10, Postfach 10 28 69, 6900 Heidelberg 1, Germany
- Elektr. Masch. (Germany)** - (ELMCAJ)  
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*Elektricheskije Stantsii* Editorial address: B.Cherkasskii per 2, Moskva K-12, USSR [English translation in: *Sov. Power Eng. (USA)*]
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*Elektrie* Kammer der Technik, Fachverband Elektrotechnik Publication address: VEB Verlag Technik, Oranienburger Strasse 13-14, Berlin 102, Germany
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*Elektrizitaetswirtschaft* VDEW, Stresemannallee 23, 6000 Frankfurt (Main) 70, Germany
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*Elektro-Anzeiger* W. Girardet, 43 Essen, Girardetstrasse 2-38, Postfach 9, Germany
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*Elektro-Jahr* Issued with: *Elektrotechnik (Germany)*
- Elektrokhimiya (USSR)** - (ELKKAX)  
*Elektrokhimiya* Institut-Elektrokhimii. Akademiya Nauk SSSR, Moskva-V71, Leninskii Prospekt 31, USSR [English translation in: *Sov. Electrochem. (USA)*]
- Elektromeister & Dtsch. Elektrohanderwerk (Germany)** - (EMDEAL)  
*Elektromeister & Deutsches Elektrohanderwerk* Huthig & Pflaum Verlag, 8 Munchen 19, Lazarettstrasse 4, Germany
- Elektron Int. (Austria)** - (EKITA9)  
*Das Elektron International* 'Elektron'-Verlag, Postfach 156, A-4010 Linz-Donau, Austria
- Elektron. Anz. (Germany)** - (EANZAG)  
*Elektronik Anzeiger* Title changed to: *Elektron. Appl. (Germany)*
- Elektron. Appl. (Germany)** - (EAPPDX)  
*Elektronik Applikation* Formerly: *Elektron. Anz. (Germany)* W. Girardet, Fachzeitschriftenverlag GmbH, Girardetstrasse 2-38, Postfach 10 13 65, 4300 Essen 1, Germany
- Elektron. Entwickl. (Germany)** - (ELEEDM)  
*Elektronik Entwicklung* Verlag fur Technik und Wirtschaft Meynen KG, Postfach 5769, D-6200 Wiesbaden, Germany
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*Elektronik Heute* Kontron Elektronik GmbH, 8057 Eching bei Munchen, Breslauer Strasse 2, Germany
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*Elektronik Industrie* Elektro-Welt Verlag DR. Huthig, 6900 Heidelberg 1, Wilckenstrasse 3-5, Postfach 102869, Germany
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*Elektronische Informationsverarbeitung und Kybernetik (EIK)* Akademie-Verlag, DDR 108 Berlin, Leipziger Strasse 3-4, Germany
- Elektron. J. (Germany)** - (EKTJAY)  
*Elektronik Journal* Europa Fachpresse Verlag GmbH, 8 Munchen 40, Leopoldstrasse 175, Germany
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*Elektronnoe Modelirovanie* Izdatel'stvo 'Naukova Dumka', 252601 Kiev GSP, Ul. Repina 3, USSR
- Elektron. Obrab. Mater. (USSR)** - (EOBMAF)  
*Elektronnaya Obrabotka Materialov* Academy of Sciences of the Moldavian SSR, Agent: Mezhdunarodnaya Kniga, Moskva G 200, USSR [English translation in: *Electrochem. Ind. Process. & Biol. (GB)*]
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*Elektronik Praxis* Vogel-Verlag KG, Max Plank-Strasse 7/9, 8700-Wurzburg, Germany
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*Elektronnaya Tekhnika. Seriya 12* Ministerstvo Elektronnoy Promishlenosti SSSR, Institut 'Elektronika', Moskva, USSR
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*Elektronik* Teknisk Forlag A/S, Skelbackgade 4, 1717 Kobenhavn V, Denmark
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*Elektronik* Franzis-Verlag GmbH, 8 Munchen 37, Postfach 3701 20, Karlstrasse 37, Germany
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*Elektronika* Editorial address: Al. Swierczewskiego, 95/99, M. 43, III p., 00-144, Warszawa, Poland
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*Der Elektroniker* Aargauer Tagblatt AG, 5001 Aarau, Switzerland
- Elektronikschau (Austria)** - (ELTRDY)  
*Elektronikschau* Technischer Verlag Erb Ges. m.b.H., A-1061 Wien 6, Mariahilfer Strasse 71, Postfach 101, Austria
- Elektroprireda (Yugoslavia)** - (EKPVAG)  
*Elektroprireda* Yugoslav Electricity Union and the Association of Yugoslav Electrical Industry. Editorial address: Balkanska 13-15, Beograd, Yugoslavia
- Elektrosyvyaz (USSR)** - (EKVZAO)  
*Elektrosyvyaz* Ministerstvo syvazi SSR, USSR [English translation in: *Telecommun. & Radio Eng. Part 1 (USA)*]
- Elektrotech. & Maschinenbau (EuM) (Austria)** - (EKMBA9)  
*Elektrotechnik und Maschinenbau* Springer Verlag, 1A-1011 Wien, Molkerbastei 5, Postfach 367, Austria
- Elektrotech. Cas. (Czechoslovakia)** - (ELKCA9)  
*Elektrotechnicky Casopis* 89530 Bratislava, Klemensova 19, Czechoslovakia
- Elektrotech. Obz. (Czechoslovakia)** - (EKOBAJ)  
*Elektrotechnicky Obzor* SNTL, 11302 Praha 1, Spalena ul. 51, Czechoslovakia
- Elektrotech. Z. ETZ (Germany)** - (EELZD3)  
*Elektrotechnische Zeitschrift ETZ* VDE-Verlag GmbH, Bismarkstrasse 33, D-1000 Berlin 12, Germany
- Elektrotechnik (Netherlands)** - (ELTKAA)  
*Elektrotechnik* Eendrachtstraat 2, Postbus 6, 7940 AA Meppel, Netherlands
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*Elektrotechnik* SNTL, 111302 Praha 1, Spalena ul. 51, Czechoslovakia
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*Elektrotechnik* Vogel-Verlag KG, Max-Planck-Strasse 7-9, 8700 Wurzburg, Germany
- Elektrotechnik (Switzerland)** - (EKTGD6)  
*Elektrotechnik* Verlags-Aktiengesellschaft, verlag "Elektrotechnik", Apfelhausenweg 14, Postfach 68, 5001 Aarau, Switzerland
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*Elektrotechnika* Kultura, H-1389 Budapest, P.O. Box 149, Hungary
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*Elektrotehnicki Vestnik* Editorial address: YU-61001 Ljubljana, P.O. Box 92 - II, Trzaska 25, Yugoslavia
- Elektrotehnika, Zagreb (Yugoslavia)** - (ELTHB2)  
*Elektrotehnika* Elektrotehnicko Društvo Hrvatske, Zagreb, Bevilaviceva 6, Ikat, Soba br. 20, Yugoslavia

- Elektrotehnika (USSR)** - (ELKTAQ)  
*Elektrotehnika* Izdatel'stvo "Energiya", 113114 Moskva, M-114 Shlyuzovaya Nab., 10, USSR [English translation in: *Sov. Electr. Eng. (USA)*]
- Elektrowärme Int. Ed. B (Germany)** - (ELWIBK)  
*Elektrowärme International, Edition B* Vulkan-Verlag Dr. W. Classen Nachf. GmbH & Co. KG, D43 Essen, Haus der Technik, Postfach 7049, Germany
- Elettrificazione (Italy)** - (ELTZAL)  
*Elettrificazione* Editoriale Delfino, Via S. d'Orsenigo 25, 20135 Milano, Italy
- Elettron. & Telecomun. (Italy)** - (ETTCB9)  
*Elettronica e Telecomunicazioni* Via Arsenale 41, 10121 Torino, Italy
- Elettron. Oggi (Italy)** - (ELOGDA)  
*Elettronica Oggi* Jackson Italiana Editrice S.r.l., P. Le Massari, 22, 20125 Milano, Italy
- Elettrotecnica (Italy)** - (ETRTAF)  
*Elettrotecnica* Ufficio Centrale AEI, Viale Monza 259, 20126 Milano, Italy
- Elin-Z. (Austria)** - (ELNZAP)  
*Elin-Zeitschrift* Elin Union, A-1141 Wien XIV, Penzinger Strasse 76, Austria
- Eltek. Aktuell Elektron. (Sweden)** - (ETAEBM)  
*Elteknik med Aktuell Elektronik* Ingenjorsforlaget AB, Box 27315, 102 54 Stockholm, Sweden
- Endeavour New Ser. (GB)** - (ENDEAS)  
*Endeavour, New Series* Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 0BW, England
- Energ. & Atomtech. (Hungary)** - (ENATAO)  
*Energia és Atomtechnika* Kiadja a Lapkiado Vallalat, Budapest VII, Lenin Korut 9-11, Hungary
- Energ. Elett. (Italy)** - (ENELAK)  
*Energia Elettrica* AEI-Associazione Elettrotecnica ed Elettronica Italiana, Viale Monza 259, 20126 Milano, Italy
- Energ. Elett. A (Italy)** - (ENELAK)  
*Energia Elettrica A* AEI-Associazione Elettrotecnica ed Elettronica Italiana, Viale Monza 259, 20126 Milano, Italy. Merged with *Energ. Elett. B (Italy)* to form *Energ. Elett. (Italy)*
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*Energetica* Editorial address: Bucuresti, Bd. Energeticienilor 8 Sectorul 4, Romania
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*Energetik* Editorial address: 109068 Moskva, Ul. Avtozavodskaya, 14/23, USSR
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*Energetika* SNTL, 11302 Praha 1, Spalena ul. 51, Czechoslovakia
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*Energetyka* Subscription Address: Wydawnictwo NOT, UL. Mazowieckiej 12, 00-048 Warszawa, Poland
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*Energia Nuclear* Junta de Energia Nuclear, Avda. Complutense 22, Ciudad Universitaria, Madrid-3, Spain
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*Energia Nucleare* Casella Postale 3986, 20100 Milano, Italy
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*Energie* Technischer Verlag Resch KG, 8032 Grafelfing, Postfach 1129, Germany
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*Energiespectrum* Energieonderzoek Centrum Nederland, Scheveningseweg 112, Den Haag, Netherlands
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*Energietechnik* VEB Deutscher Verlag für Grundstoffindustrie, Karl-Heine-Strasse 27, 7031 Leipzig, Germany
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*Energiewirtschaftliche Tagesfragen* Energiewirtschaft und Technik Verlagsgesellschaft mbH, 8032 Grafelfing, Postfach 1229, Germany
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*Energija* Zagreb, Ulica Proleterskih Brigada 37, Post pretinac 293, Yugoslavia
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*Energopomiar, Biuletyn Naukowo-Techniczny Zakladu Baden i Pomiarow* Issued with: *Energetyka (Poland)*
- Energy & Build. (Switzerland)** - (ENEBDR)  
*Energy and Buildings* Elsevier Sequoia S.A., P.O. Box 851, 1001 Lausanne 1, Switzerland
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*Energy* Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England
- Energy Commun. (USA)** - (ENCODM)  
*Energy Communications* Marcel Dekker Inc., 270 Madison Avenue, New York, NY 10016, USA
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*Energy Conversion* Title changed to: *Energy Convers. & Manage. (GB)*
- Energy Dev. (Germany)** - (EDEVDH)  
*Energy Developments* Technischer Verlag Resch KG, Postfach 1129, D-8032 Grafelfing/München, Germany
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*Energy Developments in Japan* Rumford Publishing Co. Inc., Box 5370, Chicago, IL 60680, USA
- Energy Int. (USA)** - (ENEIBC)  
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*Energy Journal* Formerly: *N. Z. Energy J. (New Zealand)* Technical Publications (UK) Ltd., P.O.Box 14-116, Panmure, Auckland, New Zealand
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*Energy Policy* IPC Science and Technology Press Ltd., P.O. Box 63, Westbury House, Bury Street, Guildford, Surrey GU2 5BH, England
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*Energy Sources* Crane, Russak & Co. Inc., 3 East 44th Street, New York, NY 10017, USA
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*Energy Systems and Policy* Crane, Russak & Co. Inc., 3 East 44th Street, New York, NY 10017, USA
- Eng. Cybern. (USA)** - (ENCYAF)  
*Engineering Cybernetics* [Translation of: *Tekh. Kibernet. (USSR)*] Scripta Publishing Corp., 1511 K Street N.W., Washington, DC 20005, USA
- Eng. Dig. (GB)** - (ENDGAY)  
*Engineers' Digest* 120 Wigmore Street, London, W1 1YZ, England
- Eng. Econ. (USA)** - (ENECAR)  
*Engineering Economist* American Society for Engineering Education, Engineering Education Division, 300 West Chestnut Street, Ephrata, PA 17522, USA
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*Engineering Fracture Mechanics* Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 0BW, England
- Eng. J. (Canada)** - (ENJOAK)  
*Engineering Journal* Engineering Institute of Canada, 700 EIC Building, 2050 Mansfield Street, Montreal 110, Quebec H3A 1Y9, Canada
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*Engineering Materials & Design* IPC Industrial Press Ltd., Quadrant House, The Quadrant, Sutton, Surrey SM2 5AS, England
- Eng. Med. (GB)** - (EGMDAL)  
*Engineering in Medicine* Institution of Mechanical Engineers, 1 Birdcage Walk, London, SW1H 9JJ, England
- Eng. Optimization (GB)** - (EGOPAX)  
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*Engineer* Morgan-Grampian (Publishers) Ltd., Morgan-Grampian House, Calderwood Street, London SE18 6QH, England
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*Entropie* Editions Barthélemy & Co., 54 avenue Marceau, F-75008 Paris, France
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*Environmental and Experimental Botany* Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England
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*Environmental Science and Technology* American Chemical Society, 1155 16th Street, N.W., Washington, DC 20036, USA
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*EOQC Quality* EOQC Secretariat, c/o ATAG, Department of Information and Technical Associations, P.O. Box 2613, CH-3001 Berne, Switzerland
- EOS Trans. Am. Geophys. Union (USA)** - (EOSTAJ)  
*EOS Transactions of the American Geophysical Union* 2000 Florida Avenue, N.W., Washington, DC 20009, USA
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*EPE* U.R.T.B., rue des Champs Elysees 43, B-1050 Brussels, Belgium
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*EPRI Journal* Electric Power Research Institute, P.O.Box 10412, Palo Alto, CA 94303, USA
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*Equipelement Industriel Achats et Entretien* Les Nouvelles du Monde, 13 rue de Liege, 75009 Paris, France
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*ERA* Foreningen för Elektricitetens Rationella Användning, Norrullsgatan 6, Box 6405, 113 82 Stockholm, Sweden
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*Ercole Marelli* 20121 Milano, via Borgonuovo 24, Italy
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*Ericsson Technics* L.M. Ericsson, S-126 25 Stockholm, Sweden
- ESA Bull. (France)** - (ESABD8)  
*ESA Bulletin* ESA Space Documentation Service, 8-10 rue Mario Nikis, 75738 Paris Cedex 15, France
- ESA J. (Netherlands)** - (ESAJDW)  
*ESA Journal* ESA Scientific & Technical Information Branch, ESTEC, Noordwijk, Netherlands
- Escher Wyss News (Switzerland)** - (ESWNAF)  
*Escher Wyss News* Escher Wyss Ltd., RA914, Postfach, CH-8023 Zurich, Switzerland
- ESF Synchrotron Radiat. News (France)**  
*ESF Synchrotron Radiation News* Issued with: *Nucl. Instrum. & Methods Phys. Res. (Netherlands)*
- ETA Elektrowärme Tech. Ausbau Ed. A (Germany)** - (EETAD2)  
*ETA Elektrowärme im Technischen Ausbau Edition A* Vulkan-Verlag Dr. W. Classen Nachf. GmbH & Co. KG, D 43 Essen 1, Haus der Technik, Postfach 7049, Germany
- ETZ Arch. (Germany)** - (ETZADZ)  
*ETZ Archiv* VDE-Verlag GmbH, Bismarckstrasse 33, D-1000 Berlin 12, Germany
- Eur. Appl. Res. Rep. Nucl. Sci. Technol. Sect. (USA)** - (EARRDF)  
*European Applied Research Reports, Nuclear Science Technology Section* Published for the Commission of the European Communities by Harwood Academic Publishers, P.O. Box 786, Cooper Station, New York, NY 10003, USA
- Eur. J. Comb. (GB)**  
*European Journal of Combinatorics* Academic Press Inc. (London) Ltd., 24-28 Oval Road, London NW1 7DX, England
- Eur. J. Eng. Educ. (Netherlands)** - (EJEED8)  
*European Journal of Engineering Education* Elsevier Scientific Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands
- Eur. J. Nucl. Med. (Germany)** - (EJNMD9)  
*European Journal of Nuclear Medicine* Springer-Verlag, Heidelberger Platz 3, D-1000 Berlin 33, Germany
- Eur. J. Oper. Res. (Netherlands)** - (EJORDT)  
*European Journal of Operational Research* North-Holland Publishing Co., P.O. Box 103, 1000 AC Amsterdam, Netherlands
- Eur. J. Phys. (GB)** - (EJPHD4)  
*European Journal of Physics* Institute of Physics, 47 Belgrave Square, London SW1X 8QX, England
- Eur. J. Sci. Educ. (GB)** - (EJSEDA)  
*European Journal of Science Education* Taylor & Francis Ltd., 10-14 Macklin Street, London WC2 5NF, England
- Eur. Polym. J. (GB)** - (EUPJAG)  
*European Polymer Journal* Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

- Euromicro J. (Netherlands)** - (EIJOD4)  
*Euromicro Journal* Title changed to: *Microprocess. & Microprogram.* (Netherlands)
- Europhys. News (Switzerland)** - (EUPNAS)  
*Europhysics News* European Physical Society, P.O.Box 69, CH-1213 Petit-Lancy 2, Switzerland
- Eval. Eng. (USA)** - (EVENAE)  
*Evaluation Engineering* A. Verner Nelson Associates, Nelson Building, 1282 Old Skokie Road, Highland Park, IL 60035, USA
- EX Mag. (Germany)** - (EXMADW)  
*EX Magazine* R. Stahl GmbH & Co., P.O. Box 210, Bergstrasse 2, D-7118 Kunzelsau, Germany
- Executive Eng. (GB)** - (EXENDV)  
*Executive Engineer* Title changed to: *Electr. & Mech. Executive Eng. (GB)*
- Exp. Mech. (USA)** - (EXMCAZ)  
*Experimental Mechanics* Society for Experimental Stress Analysis, 21 Bridge Street, P.O. Box 277, Sangatuck Sta., Westport, CT 06880, USA
- Exp. Tech. Phys. (Germany)** - (EXPPAL)  
*Experimentelle Technik der Physik* VEB Deutscher Verlag der Wissenschaften, 108 Berlin, Johannes-Dieckmann Strasse 10, Germany
- Faraday Disc. Chem. Soc. (GB)** - (FDCSB7)  
*Faraday Discussions of the Chemical Society* Faraday Division, Burlington House, London W1V 0BN, England
- Faraday Symp. Chem. Soc. (GB)** - (FSYCA3)  
*Faraday Symposia of the Chemical Society* Faraday Division Burlington House, London W1V 0BN, England
- Fastening (GB)** - (FASTD3)  
*Fastening* Business Publications Ltd., 109-119 Waterloo Road, London SE1 8UL, England
- Fatigue Eng. Mater. & Struct. (GB)** - (FMSTDJ)  
*Fatigue of Engineering Materials and Structures* Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England
- Feingeräetechnik (Germany)** - (FGRTA3)  
*Feingeräetechnik* VEB Verlag Technik, Oranienburger Strasse 13/14, 102 Berlin, Germany
- Feinwerktech. & Messtech. (Germany)** - (FEMEDO)  
*Feinwerktechnik & Messtechnik* Carl Hanser Verlag, D-8000 München 80, Kolbergerstrasse 22, Germany. Incorporating *Feinwerktech. & Micronic (Germany)* and *Messtechnik (Germany)*
- Fernmelde-Ing. (Germany)** - (FINGAQ)  
*Fernmelde-Ingenieur* Verlag fur Wissenschaft und Leben, Georg Heidecker, Kulsheimer Strasse 11, 8532 Bad Windsheim, Germany
- Fernmelde-Praxis (Germany)** - (FEPXAP)  
*Fernmelde-Praxis* Fachverlag Schiele und Schon GmbH, Markgrafenstrasse 11, 1000 Berlin 61, Germany
- Fernmeldetechnik (Germany)** - (FERNB6)  
*Fernmeldetechnik* VEB Verlag Technik, 102 Berlin, Oranienburger Strasse 13/14, Germany
- Fernseh- & Kino-Tech. (Germany)** - (FNKTAH)  
*Fernseh- und Kino-Technik* Huthig und Pflaum Verlag, 8000 München 2, Postfach 201920, Germany
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*Fernwaerme International* 6000 Frankfurt (Main) 70, Stressemannallee 23, Germany
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*Ferroelectrics* Gordon & Breach Science Publishers Ltd., 42 William IV Street, London WC2N 4DE, England
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*Fertigungstechnik und Betrieb* VEB Verlag Technik, Oranienburger Strasse 13/14, 102 Berlin, Germany
- Fiber & Integrated Opt. (USA)** - (FOIOD2)  
*Fiber and Integrated Optics* Crane, Russak & Co. Inc., 3 East 44th Street, New York, NY 10017, USA
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*Finishing Industries* Wheatland Journals Ltd., 157 Hagden Lane, Watford WD1 8LW, England
- Finommech.-Mikrotech. (Hungary)** - (FNMKAY)  
*Finommechanika-Mikrotechnika* Lapkiado Vallalat, 1073 Budapest 7, Lenin Korut 9-11, Hungary
- Fis. & Tecnol. (Italy)** - (FITEDJ)  
*Fisica e Tecnologia* Societa Italiana di Fisica, Via Loderingo Degli Andalo 2, 40124 Bologna, Italy
- Fiz. & Khim. Obrab. Mater. (USSR)** - (FKOMAT)  
*Fizika i Khimiya Obrabotki Materialov* Izdatel'stvo 'Nauka' 103717 GSP Moskva, K-62, Podсосenskiy Per., 21, USSR
- Fiz. & Khim. Stekla (USSR)** - (FKSTD5)  
*Fizika i Khimiya Stekla* Izdatel'stvo 'Nauka', Leningradskoe Otdelenie 199164 Leningrad, V-164, Mendelevskaya Liniya 1, USSR [English translation in: *Sov. J. Glass Phys. & Chem. (USA)*]
- Fiz. & Tekh. Poluprovodn. (USSR)** - (FTPPA4)  
*Fizika i Tekhnika Poluprovodnikov* Publisher: Academy of Sciences of the USSR, 'Nauka' Press, Moscow and Leningrad. Subscription address: Mezhdunarodnaya Kniga, Moskva, USSR [English translation in: *Sov. Phys.-Semicond. (USA)*]
- Fiz. Elem. Chastits & At. Yadra (USSR)** - (FECAAR)  
*Fizika Elementarnykh Chastits i Atomnogo Yadra* 103031 Moskva K31, Ul. Zhlanova 5, USSR [English translation in: *Sov. J. Part. & Nucl. (USA)*]
- Fiz. Gorennya & Vzryva (USSR)** - (FGVZA7)  
*Fizika Gorennya i Vzryva* Publication House 'Nauka', Siberian Division, Novosibirsk, USSR [English translation in: *Combust., Explos. & Shock Waves (USA)*]
- Fiz. Met. & Metalloved. (USSR)** - (FMMTAK)  
*Fizika Metallov i Metallovedenie* Izdatel'stvo Akademii Nauk SSSR, Sverdlovsk, USSR [English translation in: *Phys. Met. & Metallogr. (GB)*]
- Fiz. Nizk. Temp. (USSR)** - (FNTEDK)  
*Fizika Nizkikh Temperatur* Izdatel'stvo "Naukova Dumka", 252601 Kiev, Repina 3, USSR [English translation in: *Sov. J. Low Temp. Phys. (USA)*]
- Fiz. Plazmy (USSR)** - (FIPLDK)  
*Fizika Plazmy* Izdatel'stvo Nauka', 103717 Moskva, K-62 Podсосenskiy 21, USSR [English translation in: *Sov. J. Plasma Phys. (USA)*]
- Fiz. Sz. (Hungary)** - (FISZA6)  
*Fizikai Szemle* Kiadja a Lapkiado Vallalat, Budapest VII, Lenin korut 9-11, Hungary
- Fiz. Tverd. Tela (USSR)** - (FTVTAC)  
*Fizika Tverdogo Tela* Academy of Sciences Press, Moscow and Leningrad. Subscription address: Mezhdunarodnaya Kniga, Moskva, USSR [English translation in: *Sov. Phys.-Solid State (USA)*]
- Fiz.-Khim. Mekh. Mater. (USSR)** - (FKMMAJ)  
*Fiziko-Khimicheskaya Mekhanika Materialov* Izdatel'stvo 'Naukova Dumka', 252601 Kiev, Repina 3, USSR [English translation in: *Sov. Mater. Sci. (USA)*]
- Fizika (Yugoslavia)** - (FZKAAA)  
*Fizika* Mladost Export-Import, 41000 Zagreb, Ilica 30, Yugoslavia
- Fluid Apparech. Idraul. & Pneum. (Italy)** - (FAIPB7)  
*Fluid Apparechiature Idrauliche e Pneumatiche* 20154 Milano, via Mantegna 6, Italy
- Fluid Dyn. (USA)** - (FLDYAH)  
*Fluid Dynamics* [Translation of: *Izv. Akad. Nauk SSSR Mekh. Zhidk. & Gaza*] Consultants Bureau, 227 West 17th Street, New York, NY 10011, USA
- Fluid Mech. - Sov. Res. (USA)** - (FMSVAM)  
*Fluid Mechanics - Soviet Research* Scripta Publishing Co., 1511 K Street, N.W., Washington, DC 20005, USA
- Fluid Phase Equilibria (Netherlands)** - (FPEQDT)  
*Fluid Phase Equilibria* Elsevier Scientific Publishing Co., P.O. Box 330, 1000 AH Amsterdam, Netherlands
- Fluid. Q. (USA)** - (FLQUA2)  
*Fluidics Quarterly* P.O. Box 2928, Stanford, CA 94305, USA
- Foerdm & Heben (Germany)** - (FOHBAN)  
*Foerdm und Heben* Krausskopf Verlag fur Wirtschaft GmbH, 6500 Mainz, Lessingstrasse 12, Postfach 2760, Germany
- Folia Fac. Sci. Nat. Univ. Purkynianae Brunensis Phys. (Czechoslovakia)** - (FNPBAM)  
*Folia Facultatis Scientiarum Naturalium Universitatis Purkynianae Brunensis, Physica* University J.E. Purkyne, 61137 Brno-Kotlarska 2, Czechoslovakia
- Fonderie - Fondeur d'Aujourd'hui (France)** - (FFAUDJ)  
*Fonderie - Fondeur d'Aujourd'hui* Editions Techniques des Industries de la Fonderie, 12 Avenue Raphael, 75016 Paris, France
- Forschungsber. Landes Nordrhein-Westfalen (Germany)** - (FLNWAR)  
*Forschungsberichte des Landes Nordrhein-Westfalen* Westdeutscher Verlag, Gustav-Stresemann-Ring 12-16, 6200 Weisbaden 1, Germany
- Fortschr. Phys. (Germany)** - (FPYKA6)  
*Fortschritte der Physik* Akademie-Verlag, DDR-108 Berlin, Leipzigerstrasse 3-4, Germany
- Found. Control Eng. (Poland)** - (FCENDV)  
*Foundations of Control Engineering* Institute of Control Engineering, Technical University of Poznan, 60-965 Poznan, Poland
- Found. Phys. (USA)** - (FNDPA4)  
*Foundations of Physics* Plenum Publishing Co., 227 West 17th Street, New York, NY 10011, USA
- Fra Fys. Verden (Norway)** - (FYVDAX)  
*Fra Fysikkens Verden* Fysisk Institutt, Universitetet i Trondheim, Norges Laererhogskole, 7000 Trondheim, Norway
- Freddo (Italy)** - (FREDAZ)  
*Il Freddo* Soc. P. E. G., Via Filli Bressan 2, 20126 Milano, Italy
- Frequenz (Germany)** - (FQNZA3)  
*Frequenz* Fachverlag Schiele und Schon GmbH, Markgrafenstrasse 11, 1000 Berlin 61, Germany
- Fudan J. (China)** - (FTHPDZ)  
*Fudan Journal* Fudan University, Shanghai, People's Republic of China
- Fuji Electr. Rev. (Japan)** - (FUERBV)  
*Fuji Electric Review* Fuji Electric Co. Ltd., 12-1, 1-chome, Yurakucho, Chiyoda-ku, Tokyo, Japan
- Fujikura Tech. Rev. (Japan)** - (FKDGAO)  
*Fujikura Technical Review* Fujikura Cable Works Ltd., 5-1, 1-chome Kiba, Koto-ku, Tokyo, Japan
- Fujitsu Sci. & Tech. J. (Japan)** - (FUSTA4)  
*Fujitsu Scientific and Technical Journal* Fujitsu Ltd., 1015 Kamikodanaka, Nakahara-ku, Kawasaki 211, Kanagawa, Japan
- Funct. Photogr. (USA)** - (FUPHDO)  
*Functional Photography* Photographic Applications in Science and Technology Inc., 250 Fulton Avenue, Hempstead, NY 11550, USA
- Fundam. Cosmic Phys. (GB)** - (FNCNPA)  
*Fundamentals of Cosmic Physics* Gordon and Breach Science Publishers Ltd., 42 William IV Street, London WC2N 4DE, England
- Funk-Fachhaendler (Germany)** - (FUFABJ)  
*Funk-Fachhaendler* Verlag Neuer Merkur GmbH, 8 München 46, Ingoldstadter Strasse 63A, Postfach 460805, Germany
- Funk-Tech. (Germany)** - (FUTEAW)  
*Funk-Technik* Huthig & Pflaum Verlag, 69 Heidelberg 1, Postfach 102869, Germany
- Funkschau (Germany)** - (FUSHA2)  
*Funkschau* Franzis-Verlag GmbH, 8 München 2, Postfach 370120, Karlstrasse 37, Germany
- Furukawa Electr. Rev. (Japan)** - (FKDJAX)  
*Furukawa Electric Review* Furukawa Electric Co., 6-1 Marunochi, 2-chome, Chiyoda-ku, Tokyo, Japan
- Furukawa Rev. (Japan)**  
*Furukawa Review* Furukawa Electric Co. Ltd., 6-1 Marunouchi 2-chome, Chiyoda-ku, Tokyo, Japan
- Fusion (USA)** - (FUSID8)  
*Fusion* Fusion Energy Foundation, Suite 2404, 888 Seventh Avenue, New York, NY 10019, USA
- Fuzzy Sets & Syst. (Netherlands)** - (FSSYD8)  
*Fuzzy Sets and Systems* North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands
- Fys. Tidsskr. (Denmark)** - (FYTIA4)  
*Fysisk Tidsskrift* Subscription address: Jul. Gjellerups Boghandel, Solvgade 87, 1307 Kobenhavn, Denmark
- Galvanotechnik (Germany)** - (GVTKAY)  
*Galvanotechnik* Eugen G. Leuze Verlag, 7968 Saulgau (Wurt.), Postfach 8, Germany
- Gaz. Mat. (Portugal)** - (GZMTAK)  
*Gazeta de Matematica* Rue Diaro de Noticias, 134-1, Lisboa, Portugal
- GEC J. Sci. & Technol. (GB)** - (GJSTA6)  
*GEC Journal of Science & Technology* General Electric Co. Ltd., 1 Stanhope Gate, London, W1A 1EH, England

- GEC Telecommun. (GB)** - (GECTAR)  
*GEC Telecommunications* Formerly: *GEC-AEI Telecommun. (GB)* GEC Telecommunications Ltd., P.O. Box 53, Coventry, CV3 1HJ, England
- Geliotekhnika (USSR)** - (GLOTAY)  
*Geliotekhnika* Academy of Sciences of the Uzbek SSR, Tashkent, USSR [English translation in: *Appl. Sol. Energy (USA)*]
- Gen. Relativ. & Gravitation (USA)** - (GRGVA8)  
*General Relativity and Gravitation* Plenum Publishing Corp., 227 West 17th Street, New York, NY 10011, USA
- Geochim. & Cosmochim. Acta (GB)** - (GCACAK)  
*Geochimica et Cosmochimica Acta* Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England
- Geoexploration (Netherlands)** - (GEOXAV)  
*Geoexploration* Elsevier Scientific Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands
- Geofiz. Appar. (USSR)** - (GEAPA5)  
*Geofizicheskaya Apparatura* Izdatel'stvo 'Nedra', Leningradskoe Otdelenie, Leningrad C-171, Ul. Farfirovskaya 12, USSR
- Geofiz. Koeslemeneyek (Hungary)** - (GEOKAI)  
*Geofizikai Koeslemeneyek* Muszaki Konyvkiado, Budapest, Hungary
- Geofiz. Zh. (USSR)** - (GEZHD7)  
*Geofizicheskii Zhurnal* Izdatel'stvo 'Naukova Dumka', 252601 Kiev GSP, Repina 3, USSR
- Geol. & Geofiz. (USSR)** - (GGASAS)  
*Geologiya i Geofizika* Akademiya Nauk SSSR, Sibirskoe Otdelenie, Prospekt Nauki 21, Novosibirsk, USSR [English translation in: *Sov. Geol. & Geophys. (USA)*]
- Geomagn. & Aeron. (USA)** - (GMARAX)  
*Geomagnetism and Aeronomy* [Translation of: *Geomagn. & Aeron. (USSR)*] American Geophysical Union, 1909 K Street, N.W., Washington, DC 20006, USA
- Geomagn. & Aeron. (USSR)** - (GEAEA6)  
*Geomagnetizm i Aeronomiya* Akademiya Nauk SSSR, Leninskii Prospekt 14, Moskva, USSR [English translation in: *Geomagn. & Aeron. (USA)*]
- Geomagn. Ser. Earth Phys. Branch (Canada)** - (GSGCDT)  
*Geomagnetic Series, Earth Physics Branch* Energy, Mines and Resources Canada, 1 Observatory Crescent, Ottawa K1A 0E4, Canada
- Geophys. & Astrophys. Fluid Dyn. (GB)** - (GAFFD3)  
*Geophysical and Astrophysical Fluid Dynamics* Gordon and Breach Science Publishers Ltd., 42 William IV Street, London WC2N 4DE, England
- Geophys. J. R. Astron. Soc. (GB)** - (GEOJAN)  
*Geophysical Journal of the Royal Astronomical Society* Burlington House, London, W1V 0NL, England
- Geophys. Mag. (Japan)** - (GEOMAW)  
*Geophysical Magazine* Japan Meteorological Agency, Library Section, Ote-machi, Chiyoda-ku, Tokyo, Japan
- Geophys. Norv. (Norway)** - (GPN0AB)  
*Geophysica Norvegica (Geofysiske Publikasjoner)* Universitetsforlaget, P.O. Box 307, Blindern, Oslo 3, Norway
- Geophys. Prospect. (Netherlands)** - (GPPRAR)  
*Geophysical Prospecting* European Association of Exploration Geophysicists, P.O. Box 162, 2501 AN The Hague, Netherlands
- Geophys. Res. Lett. (USA)** - (GPRLAJ)  
*Geophysical Research Letters* American Geophysical Union, 2000 Florida Avenue, N.W., Washington, DC 20009, USA
- Geophys. Surv. (Netherlands)** - (GPSVAK)  
*Geophysical Surveys* D. Reidel Publishing Co., P.O. Box 17, Dordrecht, Netherlands
- Geophysics (USA)** - (GPYSA7)  
*Geophysics* Society of Exploration Geophysicists, P.O. Box 3098, Tulsa, OK 74101, USA
- GEOS (Canada)** - (GEOSCI)  
*GEOS* Department of Energy, Mines and Resources, Ottawa, Canada
- Geotechnics (Japan)** - (CSKGAE)  
*Geotechnics* Geotechnical Research Office, Nippon Geophysical Prospecting Co. Ltd., 2-12, 2-chome, Nakamagome, Ohta-ku, Tokyo 143, Japan
- Geothermal Energy (USA)** - (GTEMAJ)  
*Geothermal Energy* Geothermal World Corp., 18014 Sherman Way, Suite 169, Reseda, CA 91335, USA
- Geothermics (GB)** - (GTMCAT)  
*Geothermics* Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England
- Gerlands Beitr. Geophys. (Germany)** - (BEGOAB)  
*Gerlands Beitrage zur Geophysik* Akademische Verlags-Gesellschaft Geest und Portig KG, Sternwartenstrasse 8, DDR 701 Leipzig 1, Germany
- Gidromekhanika (USSR)** - (GDMKBA)  
*Gidromekhanika* Izdatel'stvo 'Naukova Dumka', Kiev, Repina 3, USSR
- Gidrotekh. Stroit. (USSR)** - (GTSTA8)  
*Gidrotekhnicheskoe Stroitel'stvo* Agent: Mezhdunarodnaya Kniga, Moskva, USSR
- Glass & Ceram. (USA)** - (GLCEAV)  
*Glass and Ceramics* [Translation of: *Steklo & Keram. (USSR)*] Consultants Bureau, 227 West 17th Street, New York, NY 10011, USA
- Glass Technol. (GB)** - (GLSTAK)  
*Glass Technology* Society of Glass Technology, Thornton, Hallam Gate Road, Sheffield, S10 5BT, England
- Global Commun. (USA)** - (GLCODU)  
*Global Communications* Cardiff Publishing Co., 3900 Wadsworth Boulevard, Denver, CO 80235, USA
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*Government Data Systems* United Business Publications Inc., 475 Park Avenue South, New York, NY 10016, USA
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*Greenwich Time Report* Royal Observatory, Hertsmonceux Castle, Hailsham, East Sussex BN27 1RP, England
- Grundig Tech. Inf. (Germany)** - (GRTIAY)  
*Grundig Technische Informationen* Grundig Werke GmbH, 8510 Furth (Bayern), Kurgartenstrasse 37, Germany
- GTE Autom. Electr. J. (USA)** - (GAEJGD)  
*GTE Automatic Electric Journal* Title changed to: *GTE Autom. Electr. World-Wide Commun. J. (USA)*
- GTE Autom. Electr. World-Wide Commun. J. (USA)** - (GAEJGD)  
*GTE Automatic Electric World-Wide Communications Journal* Formerly: *GTE Autom. Electr. J. (USA)* GTE Automatic Electric Inc., Northlake, IL 60164, USA
- Hadronic J. (USA)** - (HAJODX)  
*Hadronic Journal* Hadronic Press Inc., Nonantum, MA 02195, USA
- Harvard Bus. Rev. (USA)** - (HABRAX)  
*Harvard Business Review* Subscription Service Department, P.O. Box 3000, Woburn, MA 01888, USA
- Hasler Rev. (Switzerland)** - (HSLRA5)  
*Hasler Review* Hasler Ltd., Belpstrasse 23, 3000 Berne 14, Switzerland
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*He Huaxue Yu Fangshe Huaxue (Journal of Nuclear and Radiochemistry)* Subscription address: Guozhi Shudian, P.O. Box 399, Beijing, People's Republic of China
- Health Commun. Inf. (Switzerland)** - (HCIND5)  
*Health Communications and Informatics* S. Karger AG, Arnold-Bocklin-Strasse 25, CH-4011 Basel, Switzerland
- Health Phys. (GB)** - (HLTPAO)  
*Health Physics* Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 0BW, England
- Heat Transfer - Sov. Res. (USA)** - (HTSRAD)  
*Heat Transfer - Soviet Research* Scripta Publishing Corp., 1511 K Street, N.W., Washington, DC 20005, USA
- Heat Transfer-Jpn. Res. (USA)** - (HTJPAU)  
*Heat Transfer - Japanese Research* Scripta Publishing Co. V.H. Winston & Sons, 7961 Eastern Avenue, Silver Spring, MD 20910-4891, USA
- Heat Treat. Met. (GB)** - (HTRMBS)  
*Heat Treatment of Metals* Wolfson Heat Treatment Centre, University of Aston in Birmingham, Gosta Green, Birmingham B4 7ET, England
- Heat. & Air Cond. J. (GB)** - (HACJBF)  
*Heating and Air Conditioning Journal* Formerly: *Steam & Heat. Eng. (GB)* Troup Publications Ltd., 30 Old Burlington Street, London, W1X 2AE, England
- Heat. & Vent. Eng. (GB)** - (HVENBE)  
*Heating and Ventilating Engineer* Technitrad Journals Ltd., 886 High Road, London, N12 9SB, England
- Helv. Phys. Acta (Switzerland)** - (HPACAK)  
*Helvetica Physica Acta* Schweizerische Physikalische Gesellschaft. Publisher: Birkhauser Verlag, Elisabethenstrasse 19, CH-4000 Basel 10, Switzerland
- Her. Libr. Sci. (India)** - (HLBSAB)  
*Herald of Library Science* C1, Banaras Hindu University, Varanasi-5, India
- Hermsdorfer Tech. Mitt. (Germany)** - (HTMTAN)  
*Hermsdorfer Technische Mitteilungen* Kombinat VEB Keramische Werke Hermsdorf, Hermsdorf/Thuringen, Germany
- Hewlett-Packard J. (USA)** - (HPJOAX)  
*Hewlett-Packard Journal* 1501 Page Mill Road, Palo Alto, CA 94304, USA
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*High Temperature* [Translation of: *Teplofiz. Vys. Temp. (USSR)*] Consultants Bureau, 227 West 17th Street, New York, NY 10011, USA
- High Temp. Sci. (USA)** - (HITSAC)  
*High Temperature Science* Humana Press Inc., P.O. Box 2148, Clifton, NJ 07015, USA
- High Temp.-High Pressures (GB)** - (HTHPAK)  
*High Temperatures - High Pressures* Pion Ltd., 207 Brondesbury Park, London, NW2 5JN, England
- Hiradastech. Ipari Kut. Intez. Koezl. (Hungary)** - (HIKKAB)  
*Hiradastechnikai Ipari Kutato Intezet Kozlemeneyei* Industrial Research Institute for Electronics 'Hiki'. Editorial address: Gellert u 12/Vezeto, Budapest IV, Hungary
- Hiradastechnika (Hungary)** - (HIRAAG)  
*Hiradastechnika* Lapkaido Vallalat, 1073 Budapest, Lenin Krt 9-11, Hungary
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*Hitachi Review* Ohm-sha Co. Ltd., 1-3-chome, Kanda, Nishiki-cho, Chiyoda-ku, Tokyo 101, Japan
- Hitachi Zosen Tech. Rev. (Japan)** - (HZOGA2)  
*Hitachi Zosen Technical Review* Hitachi Zosen Technical Research Institute, 1-3-22 Sakurajima, Konohana-ku, Osaka 544, Japan
- HLH (Heiz. Luftung Klimatech. Haustechn.) (Germany)** - (HLHZAS)  
*HLH (Heizung Luftung Klimatechnik Haustechnik)* VDI Verlag GmbH, 4 Dusseldorf 1, Graf-Recke-Strasse 84, Postfach 1139, Germany
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*Hobby Electronics* Modmags Ltd., 145 Charing Cross Road, London WC2H 0EE, England
- Holepost (Netherlands)** - (HOLEBT)  
*Holepost* Holec NV, Postbus 23, Hengelo, Netherlands
- Hong Kong Eng. - (HKOEDU)**  
*Hong Kong Engineer* Asia Trade Journals Ltd., 7th Floor, Sincere Insurance Building, 4-6 Hennessy Road, Hong Kong, Hong Kong
- Hosp. Eng. (GB)** - (HSEGA5)  
*Hospital Engineering* Mallard Publications, 48 Southwark Street, London SE1 1UN, England
- Hosp. Financ. Manage. (USA)** - (HFIMAK)  
*Hospital Financial Management* Room 245, 666 North Lake Shore Drive, Chicago, IL 60611, USA
- Houille Blanche (France)** - (HOBLAB)  
*La Houille Blanche* 5 Chemin de Marronniers, B.P. 264, F 38008 Grenoble Cedex, France
- Houston J. Math. (USA)** - (HJMADZ)  
*Houston Journal of Mathematics* University of Houston, Department of Mathematics, Houston, TX 77004, USA
- Hum. Factors (USA)** - (HUFAA6)  
*Human Factors* Human Factors Society Inc., P.O. Box 1369, Santa Monica, CA 90406, USA
- Hum. Syst. Manage. (Netherlands)** - (HSMADU)  
*Human Systems Management* North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands
- Hung. Mach. (Hungary)** - (HMACD2)  
*Hungarian Machinery* Hungarian Chamber of Commerce, H-1073 Budapest, Lenin krt. 9/11, Hungary
- Hydraul. & Pneum. (USA)** - (HYDPAP)  
*Hydraulics and Pneumatics* Industrial Publishing Co., 614 Superior Avenue West, Cleveland, OH 44113, USA
- Hydraul. Pneum. Mech. Power (GB)** - (HPMPDK)  
*Hydraulic Pneumatic Mechanical Power* Trade & Technical Press Ltd., Crown House, Morden, Surrey SM4 5EW, England
- Hyperfine Interactions (Netherlands)** - (HYINDN)  
*Hyperfine Interactions* North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

- I.A.U. Circ. (USA)** - (IANUAB)  
*International Astronomical Union Circular* IAU Central Telegram Bureau, Smithsonian Observatory, Cambridge, MA 02138, USA
- IATUL Proc. (Sweden)** - (IATPAQ)  
*IATUL Proceedings* Chalmers University of Technology Library, Goteborg, Sweden
- IBA Tech. Rev. (GB)** - (IBARBD)  
*IBA Technical Review* Independent Broadcasting Authority, 70 Brompton Road, London, SW3 1EY, England
- IBM J. Res. & Dev. (USA)** - (IBMJAE)  
*IBM Journal of Research and Development* International Business Machines Corporation, Armonk, New York, NY 10504, USA
- IBM Nachr. (Germany)** - (IBMNAQ)  
*IBM Nachrichten* IBM Deutschland GmbH, 7000 Stuttgart 80, Postfach 800880, Germany
- IBM Syst. J. (USA)** - (IBMSA7)  
*IBM Systems Journal* International Business Machines Corporation, Armonk, New York, NY 10504, USA
- IBM Tech. Disclosure Bull. (USA)** - (IBMTAA)  
*IBM Technical Disclosure Bulletin* International Business Machines Co., Armonk, New York, NY 10504, USA
- ICA Inf. (Spain)** - (IINFDP)  
*ICA Information* International Council for Automatic Data Processing in Government Administration, c/o Servicio Central de Informatica, Paseo de Calvo Sotelo 16.5º Madrid 1, Spain
- Icarus (USA)** - (ICRSA5)  
*Icarus* Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA
- ICL Tech. J. (GB)** - (ITJOD7)  
*ICL Technical Journal* Published for International Computers Ltd. by Peter Peregrinus Ltd., P.O. Box 8, Southgate House, Stevenage, Herts. SG1 1HQ, England
- ICP J. Inf. Prod. & Serv. (USA)**  
*ICP. Journal of Information Products & Services* International Computer Programs Inc., 9000 Keystone Crossing, Indianapolis, IN 46240, USA. 2 Deane Street, Park Lane, London W1Y 5LH, England
- IEC Bull. (Switzerland)** - (IEBUAD)  
*IEC Bulletin* International Electrotechnical Commission, 1 rue de Varembe, 1211 Geneva 20, Switzerland
- IEE J. Comput. & Digital Tech. (GB)** - (IJCTDJ)  
*IEE Journal on Computers and Digital Techniques* Institution of Electrical Engineers, Publishing Department, P.O. Box 8, Southgate House, Stevenage, Herts. SG1 1HQ, England
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- IEE J. Microwaves, Opt. & Acoust. (GB)** - (IJMADC)  
*IEE Journal on Microwaves, Optics and Acoustics* Institution of Electrical Engineers, Publishing Department, P.O. Box 8, Southgate House, Stevenage, Herts. SG1 1HQ, England. Merged with Proc. Inst. Electr. Eng. (GB) to form IEE Proc. (GB)
- IEE J. Solid-State & Electron Devices (GB)** - (IJSDDH)  
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- IEE Proc. A (GB)** - (IPPRDI)  
*IEE Proceedings A (Physical Science, Measurement and Instrumentation, Management and Education, Reviews)* Institution of Electrical Engineers, P.O. Box 8, Southgate House, Stevenage, Herts. SG1 1HQ, England
- IEE Proc. B (GB)** - (IPPADZ)  
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- IEE Proc. F (GB)** - (IPFPDU)  
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- IEE Proc. H (GB)** - (IPHADT)  
*IEE Proceedings H (Microwaves, Optics and Antennas)* Institution of Electrical Engineers, P.O. Box 8, Southgate House, Stevenage, Herts. SG1 1HQ, England
- IEE Proc. I (GB)** - (IPIDD9)  
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*IEE Reviews* Institution of Electrical Engineers, Savoy Place, London, WC2R 0BL, England. Merged with Proc. Inst. Electr. Eng. (GB) to form IEE Proc. (GB)
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*I.E.E.-I.E.R.E. Proceedings - India* Institution of Electrical Engineers, Savoy Place, London, WC2R 0BL, England. Institution of Electronic and Radio Engineers, 8-9 Bedford Square, London, WC1B 3RG
- IEEE Circuits & Syst. Mag. (USA)** - (ICSYDV)  
*IEEE Circuits and Systems Magazine* Institution of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA
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*IEEE Communications Magazine* Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA
- IEEE Comput. Graphics & Appl. (USA)** - (ICGADZ)  
*IEEE Computer Graphics and Applications* Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA
- IEEE Control Syst. Mag. (USA)** - (ISMAD7)  
*IEEE Control Systems Magazine* Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA
- IEEE Electron Device Lett. (USA)** - (EDLEDZ)  
*IEEE Electron Device Letters* Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA
- IEEE J. Oceanic Eng. (USA)** - (IJOEDY)  
*IEEE Journal of Oceanic Engineering* Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA
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*IEEE Journal of Quantum Electronics* Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA
- IEEE J. Solid-State Circuits (USA)** - (IJSCBC)  
*IEEE Journal of Solid-State Circuits* Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA
- IEEE Micro (USA)** - (IEMIDZ)  
*IEEE Micro* Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA
- IEEE Power Eng. Rev. (USA)** - (IPERDV)  
*IEEE Power Engineering Review* Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA
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*IEEE Spectrum* Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA
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*IEEE Transactions on Acoustics, Speech and Signal Processing* Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA
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*IEEE Transactions on Antennas and Propagation* Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA
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*IEEE Transactions on Automatic Control* Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA
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*IEEE Transactions on Biomedical Engineering* Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA
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*IEEE Transactions on Broadcasting* Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA
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*IEEE Transactions on Cable Television* Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA
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*IEEE Transactions on Circuits and Systems* Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA
- IEEE Trans. Commun. (USA)** - (IECMBT)  
*IEEE Transactions on Communications* Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA
- IEEE Trans. Components, Hybrids & Manuf. Technol. (USA)** - (ITTEDR)  
*IEEE Transactions on Components, Hybrids, and Manufacturing Technology* Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA
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*IEEE Transactions on Computers* Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA
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*IEEE Transactions on Consumer Electronics* Formerly: *IEEE Trans Broadcast & Telev. Receivers (USA)* Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA
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*IEEE Transactions on Education* Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA
- IEEE Trans. Electr. Insul. (USA)** - (IETIAX)  
*IEEE Transactions on Electrical Insulation* Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA
- IEEE Trans. Electromagn. Compat. (USA)** - (IEMCAE)  
*IEEE Transactions on Electromagnetic Compatibility* Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA
- IEEE Trans. Electron Devices (USA)** - (IETDAI)  
*IEEE Transactions on Electron Devices* Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA
- IEEE Trans. Eng. Manage. (USA)** - (IEEMA4)  
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- IEEE Trans. Geosci. & Remote Sensing (USA)** - (IGRSD2)  
*IEEE Transactions on Geoscience and Remote Sensing* Formerly: *IEEE Trans. Geosci. Electron. (USA)* Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA
- IEEE Trans. Geosci. Electron. (USA)** - (IEGEOA)  
*IEEE Transactions on Geoscience Electronics* Title changed to: *IEEE Trans. Geosci. & Remote Sensing (USA)*
- IEEE Trans. Ind. Appl. (USA)** - (ITIACR)  
*IEEE Transactions on Industry Applications* Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA
- IEEE Trans. Ind. Electron. & Control Instrum. (USA)** - (IICIAA)  
*IEEE Transactions on Industrial Electronics and Control Instrumentation* Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA
- IEEE Trans. Inf. Theory (USA)** - (IETTAW)  
*IEEE Transactions on Information Theory* Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA
- IEEE Trans. Instrum. & Meas. (USA)** - (IEIMAO)  
*IEEE Transactions on Instrumentation and Measurement* Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

- IEEE Trans. Magn. (USA)** - (IEMGAQ)  
*IEEE Transactions on Magnetism* Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA
- IEEE Trans. Microwave Theory & Tech. (USA)** - (IETMAB)  
*IEEE Transactions on Microwave Theory and Techniques* Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA
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*IEEE Transactions on Nuclear Science* Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA
- IEEE Trans. Pattern Anal. & Mach. Intell. (USA)** - (ITPIDJ)  
*IEEE Transactions on Pattern Analysis and Machine Intelligence* Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA
- IEEE Trans. Plasma Sci. (USA)** - (ITPSBD)  
*IEEE Transactions on Plasma Science* Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA
- IEEE Trans. Power Appar. & Syst. (USA)** - (IEPSA9)  
*IEEE Transactions on Power Apparatus and Systems* Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA
- IEEE Trans. Prof. Commun. (USA)** - (IEPCBU)  
*IEEE Transactions on Professional Communications* Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA
- IEEE Trans. Reliab. (USA)** - (IERQAD)  
*IEEE Transactions on Reliability* Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA
- IEEE Trans. Software Eng. (USA)** - (IESEDJ)  
*IEEE Transactions on Software Engineering* Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA
- IEEE Trans. Sonics & Ultrason. (USA)** - (IESUAU)  
*IEEE Transactions on Sonics and Ultrasonics* Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA
- IEEE Trans. Syst., Man & Cybern. (USA)** - (ISYMAW)  
*IEEE Transactions on Systems, Man and Cybernetics* Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA
- IEEE Trans. Veh. Technol. (USA)** - (ITVTAB)  
*IEEE Transactions on Vehicular Technology* Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA
- IES J. (Singapore)** - (IEJOD4)  
*IES Journal* Institution of Engineers, Singapore, 1306 International Plaza, Anson Road, Singapore 2, Singapore
- IES Light. Rev. (Australia)** - (IELRBL)  
*IES Lighting Review* Thomson Publications (Australia) Pty. Ltd., 47 Chippen Street, Chippendale, N.S.W. 2008, Australia
- IFOC Int. Fiber Opt. & Commun. (USA)**  
*IFOC International Fiber Optics and Communications* Information Gatekeepers Inc., 167 Corey Road, Suite 111, Brookline, MA 02146, USA
- IIASA Rep. (Austria)** - (IIREDE8)  
*IIASA Reports* International Institute for Applied Systems Analysis, A-2361 Laxenburg, Austria
- IMA J. Appl. Math. (GB)** - (IJAMDM)  
*IMA Journal of Applied Mathematics* Formerly: *J. Inst. Math. & Appl. (GB)* Academic Press Inc. (London) Ltd., 24-28 Oval Road, London NW1 7DX, England
- IMA J. Numer. Anal. (GB)** - (IJNADH)  
*IMA Journal of Numerical Analysis* Academic Press Inc. (London) Ltd., 24-28 Oval Road, London NW1 7DX, England
- IMC J. (USA)** - (IMGCB7)  
*IMC Journal* International Micrographic Congress, P.O. Box 22440, San Diego, CA 92122, USA
- Incremental Motion Control Syst. Devices Newsl. (USA)** - (IMCNBK)  
*Incremental Motion Control Systems and Devices Newsletter* University of Illinois, Urbana, IL 61801, USA
- Ind. & Eng. Chem., Fundam. (USA)** - (IECFA7)  
*Industrial and Engineering Chemistry, Fundamentals* American Chemical Society, 1155 Sixteenth Street N.W., Washington, DC 20036, USA
- Ind. & Eng. Chem., Process Des. & Dev. (USA)** - (IEPDAA)  
*Industrial and Engineering Chemistry, Process Design and Development* American Chemical Society, 1155 Sixteenth Street N.W., Washington, DC 20036, USA
- Ind. & Eng. Chem., Prod. Res. & Dev. (USA)** - (IEPRA6)  
*Industrial and Engineering Chemistry, Product Research and Development* American Chemical Society, 1155 Sixteenth Street N.W., Washington, DC 20036, USA
- Ind. Ceram. (France)** - (IDCQAX)  
*Industrie Ceramique* Formerly: *Bull. Soc. Fr. Ceram. (France)* 14 rue Falguiere, 75015 Paris, France
- Ind. Datalek. (Sweden)**  
*Industriell Datalek* Ingenjorsforlaget AB, Box 27315, 102 54 Stockholm, Sweden
- Ind. Eng. (USA)** - (IDLEB9)  
*Industrial Engineering* American Institute of Industrial Engineers, 25 Technology Park/Atlanta, Norcross, GA 30092, USA
- Ind. Lab. (USA)** - (INDLAP)  
*Industrial Laboratory* [Translation of: *Zavod. Lab. (USSR)*] Consultants Bureau, 227 West 17th Street, New York, NY 10013, USA
- Ind. Math. (USA)** - (IMTHAI)  
*Industrial Mathematics* Industrial Mathematics Society, P.O. Box 159, Roseville, MI 48066, USA
- Ind. Photogr. (USA)** - (INPHA5)  
*Industrial Photography* United Business Publications Inc., 475 Park Avenue South, New York, NY 10016, USA
- Ind. Res./Dev. (USA)** - (IRDEDZ)  
*Industrial Research/Development* 666 Fifth Avenue, New York, NY 10019, USA
- Ind. Robot (GB)** - (IDRBAT)  
*Industrial Robot* IFS (Publications) Ltd., 35-39 High Street, Kempston, Bedford MK42 7BT, England
- Ind.-Anz. (Germany)** - (IANZAAQ)  
*Industrie-Anzeiger* Verlag W. Giradet, 43 Essen 1, Giradetstrasse 2-38, Postfach 9, Germany
- Indexer (GB)** - (IDXRA5)  
*Indexer* Society of Indexers and American Society of Indexers, c/o Barclays Bank Ltd., 1 Pall Mall East, London, SW1Y 5AX, England
- Indian & East. Eng. - (IEAEAS)**  
*Indian and Eastern Engineer* 'Piramal Mansion', 235 Dr. D. Naoroji Road, Bombay 400001, India
- Indian J. Chem. A - (IJOCAAP)**  
*Indian Journal of Chemistry Section A (Inorganic, Physical, Theoretical and Analytical)* Sales & Distribution Officer, Publications & Information Directorate, CSIR, Hillside Road, New Delhi 110012, India
- Indian J. Chem. B - (IJOCAPI)**  
*Indian Journal of Chemistry Section B (Organic Including Medicinal)* Sales & Distribution Officer, Council of Scientific and Industrial Research, Hillside Road, New Delhi 110012, India
- Indian J. Cryog. - (IJCRDD)**  
*Indian Journal of Cryogenics* Indian Cryogenics Council, Jadavpur University, Calcutta 700 032, India
- Indian J. Mar. Sci. - (IJMNBF)**  
*Indian Journal of Marine Sciences* Council of Scientific & Industrial Research. Editorial address: Publications & Information Directorate, Hillside Road, New Delhi-12, India
- Indian J. Meteorol. Hydrol. & Geophys. - (IJMGDU)**  
*Indian Journal of Meteorology Hydrology & Geophysics* Title changed to: *Mausam (India)*
- Indian J. Phys. Part A - (IJPYAS)**  
*Indian Journal of Physics Part A* Indian Association for the Cultivation of Science, 2 & 3 Raja Subodh Chandra Mallik Road, Calcutta 700 032, India
- Indian J. Phys. Part B - (IJPYAS)**  
*Indian Journal of Physics Part B* Indian Association for the Cultivation of Science, 2 & 3 Raja Subodh Chandra Mallik Road, Calcutta 700032, India
- Indian J. Power & River Val. Dev. - (IJPRA7)**  
*Indian Journal of Power and River Valley Development* 6-2 Madan Street, Calcutta 700072, India
- Indian J. Pure & Appl. Math. - (IJMHAAU)**  
*Indian Journal of Pure and Applied Mathematics* Indian National Science Academy, Bahadur Shah Zafar Marg, New Delhi 110002, India
- Indian J. Pure & Appl. Phys. - (IJOPAU)**  
*Indian Journal of Pure and Applied Physics* Sales & Distribution Officer, Publications & Information Directorate, CSIR, Hillside Road, New Delhi 110012, India
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*Indian Journal of Radio & Space Physics* Sales & Distribution Officer, Publications & Information Directorate, CSIR, Hillside Road, New Delhi 110012, India
- Indian J. Technol. - (IJOTA8)**  
*Indian Journal of Technology* Sales & Distribution Officer, Publications & Information Directorate, Hillside Road, New Delhi 110012, India
- Indian J. Theor. Phys. - (IJTPAL)**  
*Indian Journal of Theoretical Physics* Institute of Theoretical Physics, Bognan Kutir, 4-1 Mohan Bagan Lane, Calcutta 700004, India
- Inf. & Control (USA)** - (IFCNA4)  
*Information and Control* Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA
- Inf. & Gestion (France)** - (IFQGAJ)  
*Informatique et Gestion* 41 rue de la Grange-aux-Belles, 75483 Paris Cedex 10, France
- Inf. & Manage. (Netherlands)** - (IMANDC)  
*Information and Management* North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands
- Inf. Bull. Variable Stars (Hungary)** - (IBVSDL)  
*Information Bulletin on Variable Stars* Commission 27 of the I.A.U., Konkoly Observatory, Budapest, Hungary
- Inf. Disp. (USA)** - (INFDA8)  
*Information Display* Society for Information Display, 654 North Sepulveda Boulevard, Los Angeles, CA 90049, USA
- Inf. Elektron. (Hungary)** - (INFEBF)  
*Informacio Elektronika* Statistikai Kiado Vallalat, Budapest III, Kaszas u. 10-12, Hungary
- Inf. Eletttron. (Italy)** - (INELDX)  
*Informazione Elettronica* Editrice Il Rostro s.a.s., Via Monte Generoso 6/A, 20155 Milano, Italy
- Inf. Privacy (GB)** - (INPRD4)  
*Information Privacy* IPC Science & Technology Press Ltd., P.O. Box 63, Westbury House, Bury Street, Guildford, Surrey GU2 5BH, England
- Inf. Process. & Manage. (GB)** - (IPMADK)  
*Information Processing & Management* Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 0BW, England
- Inf. Process. Lett. (Netherlands)** - (IFPLAT)  
*Information Processing Letters* North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands
- Inf. Process. Soc. Jpn. (Joho Shori) (Japan)** - (JOSHA4)  
*Information Processing Society of Japan (Joho Shori)* Kikai Shino Building, no. 3-5-8 Shiba-Koen, Minato-ku, Tokyo, Japan
- Inf. Sciences (USA)** - (ISIJBC)  
*Information Sciences* Elsevier North-Holland Inc., 52 Vanderbilt Avenue, New York, NY 10017, USA
- Inf. Serv. & Use (Netherlands)** - (ISUDX8)  
*Information Services & Use* North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands
- Inf. Syst. (GB)** - (INSYD6)  
*Information Systems* Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England
- Infomatics (GB)** - (IFMTD7)  
*Infomatics* VNU Business Publications B V, 53-55 Frith Street, London W1A 2HG, England
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*INFOR. Canadian Journal of Operational Research and Information Processing* University of Toronto Press, 5201 Dufferin Street, Downsview, Ontario M3H 5T8, Canada
- Informatie (Netherlands)** - (INFTRC)  
*Informatie* Overboslan 49, Bithoven, Netherlands
- Informatik (Germany)** - (IIDWAN)  
*Informatik* Interwerbung, Gesellschaft fur Werbung und Auslandsmessen, DDR 104 Berlin, Tucholskystrasse 40, Germany
- Informatologia Yugoslavica - (INYUAL)**  
*Informatologia Yugoslavica* Univerzitet u Zagreb, Referalni Centar, Trg. Marsala Tita 3, P.O. Box 327, 41001 Zagreb, Yugoslavia
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*Informatyka* Wydawnictwa Czasopism Technicznych Not. ul. Swietokrzyska 14a, 00-950 Warszawa, Skrytka Pocztaowa 1004, Poland
- Infosystems (USA)** - (IFSAYF)  
*Infosystems* Hitchcock Publishing Co., Hitchcock Building, Wheaton, IL 60187, USA

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InfoWorld Popular Computing Inc., 530 Lytton Avenue, Palo Alto, CA 94301, USA
- Infrared Phys. (GB)** – (INFPAD)  
*Infrared Physics* Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 0BW, England
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*Ingeniería Mecánica y Eléctrica* Asociación Mexicana de Ingenieros Mecánicos y Electricistas, Culiacan 115, Mexico 11, D.F, Mexico
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*Ingenieur-Archiv* Springer-Verlag, D-1000 Berlin 33, Heidelberger Platz 3, Germany
- Ingegneri (Italy)** – (IGMIAC)  
*L'Ingegnere* Associazione Nazionale Ingegnerie Architetti Italiani, Piazza Sallustiana 24, 00187 Roma, Italy
- Ingenieur (Canada)** – (INMOAB)  
*L'Ingenieur* a/s Ecole Polytechnique, Case postale 6079, Succursale 'A' Montreal, Quebec H3C 3A7, Canada
- Ingenieur (Netherlands)** – (INGRAO)  
*De Ingenieur* Koninklijk Instituut van Ingenieurs. Editorial address: 23 Prinsessegracht, Den Haag, Netherlands
- Inorg. & Nucl. Chem. Lett. (GB)** – (INUCAF)  
*Inorganic and Nuclear Chemistry Letters* Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 0BW, England
- Inorg. Mater. (USA)** – (INOMAF)  
*Inorganic Materials* [Translation of: *Izv. Akad. Nauk SSSR Neorg. Mater.*] Consultants Bureau, 227 West 17th Street, New York, NY 10011, USA
- INSPEL (Germany)** – (INPLBI)  
*INSPEL. International Journal of Special Libraries* Technische Universität Berlin, Universitätsbibliothek, Abt. Publikationen, Budapest Strasse 40, D-1000 Berlin 30, Germany
- Inst. Eng. Aust. Civ. Eng. Trans. (Australia)** – (CVETBB)  
*Institution of Engineers, Australia, Civil Engineering Transactions* Title changed to: *Trans. Inst. Eng. Aust. Civ. Eng. (Australia)*
- Inst. Eng. Aust. Electr. Eng. Trans. (Australia)** – (ELETBV)  
*Institution of Engineers, Australia, Electrical Engineering Transactions* Title changed to: *Trans. Inst. Eng. Aust. Electr. Eng. (Australia)*
- Inst. Eng. Aust. Mech. Eng. Trans. (Australia)** – (METSDB)  
*Institution of Engineers, Australia, Mechanical Engineering Transactions* Title changed to: *Trans. Inst. Eng. Aust. Mech. Eng. (Australia)*
- Inst. R. Meteorol. Belg. Bull. Trimest. Obs. Ozone (Belgium)** – (IRODAG)  
*Institut Royal Meteorologique de Belgique Bulletin Trimestriel Observations d'Ozone* Avenue Circulaire 3, 1180 Bruxelles, Belgium
- Instrum. & Control Syst. (USA)** – (INCSA7)  
*Instruments and Control Systems* Chilton Co., Chilton Way, Radnor, PA 19089, USA
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*Instruments and Experimental Techniques* [Translation of: *Prib. & Tekh. Eksp. (USSR)*] Consultants Bureau, 227 West 17th Street, New York, NY 10013, USA
- Instrum. India** – (INSIBO)  
*Instruments India* IMDA, A-32, Navyug Niwas, 167 Dr. D. Bhadkamkar Road, Bombay 400007, India
- Instrumentation (USA)** – (INSRAG)  
*Instrumentation* Honeywell Inc., Fort Washington, Philadelphia, PA 19034, USA
- Insul./Circuits (USA)** – (ISCUBF)  
*Insulation/Circuits* Formerly: *Insulation (USA)* Lake Publishing Corp., Box 159, 700 Peterson Road, Libertyville, IL 60048, USA
- Int. At. Energy Agency Bull. (Austria)** – (IAEBAB)  
*International Atomic Energy Agency Bulletin* Karntnerring 11, P.O. Box 590, A-1011 Wien, Austria
- Int. Broadcast Eng. (GB)** – (IBREBP)  
*International Broadcast Engineer* Whitton Press Ltd., 50 High Street, Eton, Berks, England
- Int. Broadcast. Syst. & Oper. (GB)** – (IBSODS)  
*International Broadcasting Systems & Operation* Formerly: *Broadcast. Syst. & Oper. (GB)* BSO Publications Ltd., 13 Great James Street, London WC1N 3DP, England
- Int. Bus. Equip. (Belgium)** – (IBSEBU)  
*International Business Equipment* Office Publications Inc., Rue Veydt 65, 1050 Brussels, Belgium
- Int. Classif. (Germany)** – (INCLDN)  
*International Classification* Verlag Dokumentation Saur KG, Postenbarchstrasse 2, P.O. Box 711009, D-8000 München 71, Germany
- Int. Comet Q. (USA)** – (ICOQDL)  
*International Comet Quarterly* Department of Physics and Astronomy, Appalachian State University, Boone, NC 28608, USA
- Int. J. Appl. Radiat. & Isot. (GB)** – (IJARAY)  
*International Journal of Applied Radiation and Isotopes* Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 0BW, England
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*International Journal of Bio-Medical Computing* Elsevier-North Holland Scientific Publishers, P.O. Box 211, 1000 AE Amsterdam, England
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*International Journal of Circuit Theory and Applications* John Wiley & Sons Ltd., Baffins Lane, Chichester, Sussex PO19 1UD, England
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*International Journal of Computer & Information Sciences* Plenum Publishing Corp., 227 West 17th Street, New York, NY 10011, USA
- Int. J. Comput. Math. (GB)** – (IJCMAT)  
*International Journal of Computer Mathematics* Gordon & Breach Science Publishers Ltd., 42 William IV Street, London WC2N 4DF, England
- Int. J. Control (GB)** – (IJCOAZ)  
*International Journal of Control* Taylor and Francis Ltd., 4 John Street, London WC1N 2ET, England
- Int. J. Electr. Eng. Educ. (GB)** – (JEEAF)  
*International Journal of Electrical Engineering Education* Manchester University Press, Oxford Road, Manchester M13 9PL, England
- Int. J. Electr. Power & Energy Syst. (GB)**  
*International Journal of Electrical Power & Energy Systems* IPC Science and Technology Press Ltd., P.O. Box 63, Westbury House, Bury Street, Guildford, Surrey GU2 5BH, England
- Int. J. Electron. (GB)** – (IJELA2)  
*International Journal of Electronics* Taylor & Francis Ltd., 4 John Street, London WC1N 2ET, England
- Int. J. Energy Res. (GB)** – (IJERDN)  
*International Journal of Energy Research* John Wiley & Sons Ltd., Baffins Lane, Chichester, Sussex PO19 1UD, England
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*International Journal of Engineering Science* Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 0BW, England
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*International Journal of Fatigue* IPC Science and Technology Press Ltd., P.O. Box 63, Westbury House, Bury Street, Guildford, Surrey, GU2 5BH, England
- Int. J. Fract. (Netherlands)** – (IJFRAP)  
*International Journal of Fracture* Sijthoff & Noordhoff International Publishing, P.O. Box 4 Alphen Aan den Rijn, Netherlands
- Int. J. Fusion Energy (USA)** – (IJFEDN)  
*International Journal of Fusion Energy* Fusion Energy Foundation, 304 West 58th Street, New York, NY 10019, USA
- Int. J. Game Theory (Austria)** – (IJGTA2)  
*International Journal of Game Theory* Physica Verlag Rudolf Liebing KG, A-1010 Wien, Seilerstaette 18, Austria
- Int. J. Gen. Syst. (GB)** – (IJGSD2)  
*International Journal of General Systems* Gordon & Breach Science Publishers Ltd., 42 William IV Street, London WC2N 4DE, England
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*International Journal of Heat and Fluid Flow* Mechanical Engineering Publications Ltd., P.O. Box 24, Northgate Avenue, Bury St Edmunds, Suffolk IP32 6BW, England
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*International Journal of Heat and Mass Transfer* Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 0BW, England
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*International Journal for Hybrid Microelectronics* International Society for Hybrid Microelectronics, P.O. Box 3255, Montgomery, AL 36109, USA
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*International Journal of Hydrogen Energy* Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England
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*International Journal of Infrared and Millimeter Waves* Plenum Publishing Corp., 227 West 17th Street, New York, NY 10011, USA
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*International Journal of Man-Machine Studies* Academic Press Inc. (London) Ltd., 24-28 Oval Road, London, NW1 7DX, England
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*International Journal of Mass Spectrometry and Ion Physics* Elsevier Scientific Publishing Co., P.O. Box 330, 1000 AH Amsterdam, Netherlands
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*International Journal of Mineral Processing* Elsevier Scientific Publishing Co., P.O. Box 211, Amsterdam, Netherlands
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*International Journal of Mini and Microcomputers* Acta Press, P.O. Box 2481, Anaheim, CA 92804, USA
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*International Journal of Multiphase Flow* Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 0BW, England
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*International Journal on Policy and Information* Graduate School of Information Engineering, Tamkang University, Taiwan 251, Taiwan. Knowledge Systems Institute, P.O. Box 41, Glencoe, IL 60022, USA
- Int. J. Policy Anal. & Inf. Syst. (USA)** – (IPASDE)  
*International Journal of Policy Analysis and Information Systems* Plenum Publishing Corp., 227 West 17th Street, New York, NY 10011, USA
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- Int. J. Quantum Chem. (USA)** – (IJQCB2)  
*International Journal of Quantum Chemistry* John Wiley & Sons Inc., 605 Third Avenue, New York, NY 10016, USA
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*International Journal of Quantum Chemistry, Quantum Biology Symposium* Issued with: *Int. J. Quantum Chem. (USA)*
- Int. J. Quantum Chem. Quantum Chem. Symp. (USA)**  
*International Journal of Quantum Chemistry, Quantum Chemistry Symposium* Issued with: *Int. J. Quantum Chem. (USA)*
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*International Journal of Radiation Oncology Biology Physics* Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

- Int. J. Rock Mech. & Min. Sci. & Geomech. Abstr. (GB)** - (IJRMA2)  
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*International Journal of Systems Science* Taylor & Francis Ltd., 4 John Street, London WC1N 2ET, England
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*International Journal of Thermophysics* Plenum Publishing Corp., 227 West 17th Street, New York, NY 10011, USA
- Int. Met. Rev. (GB)** - (IMRVBH)  
*International Metals Reviews* Metals Society, 1 Carlton House Terrace, London, SW1Y 5DB, England
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*International Power Generation* Fuel and Metallurgical Journals Ltd., 2 Queensway, Redhill RH1 1QS, England
- Int. Water Power & Dam Constr. (GB)** - (IWPCDM)  
*International Water Power & Dam Construction* IPC Electrical-Electronic Press Ltd., Dorset House, Stamford Street, London SE1 9LU, England
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*InTech (Instrumentation Technology)* Instrument Society of America, 67 Alexander Drive, P.O. Box 12277, Research Triangle Park, NC 27709, USA
- Inter Connexion (France)** - (INXCBN)  
*Inter Connexion* Groupement Syndicat des Industries de Matériaux d'Équipement Électrique, 11 Rue Hamelin, 75783 Paris 6, France
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*Interavia (English Edition)* Interavia S.A., 86 Avenue Louis-Casai, P.O. Box 162, 1216 Cointrin, Geneva, Switzerland
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*Interdisciplinary Science Reviews* Heyden & Son Ltd., Spectrum House, Hillview Gardens, London NW4 2JQ, England
- Interface (Netherlands)** - (IFCEBC)  
*Interface* Swets & Zeitlinger N.V., 347B Heereweg, Lisse, Netherlands
- Interface Age (USA)** - (INFAD5)  
*Interface Age* McPheters, Wolfe & Jones, 16704 Marquardt Avenue, Cerritos, CA 90701, USA
- Interface Comput. Educ. Q. (USA)**  
*Interface: The Computer Education Quarterly* 116 Royal Oak, Santa Cruz, CA 95066, USA
- Interfaces (USA)** - (INFAC4)  
*Interfaces* Institute of Management Sciences, 146 Westminster Street, Providence, RI 02903, USA
- Interlending Rev. (GB)** - (IREVDN)  
*Interlending Review* British Library Lending Division, Boston Spa, Wetherby, West Yorks. LS23 7BQ, England
- Inzh.-Fiz. Zh. (USSR)** - (INFZA9)  
*Inzhenerno-Fizicheskii Zhurnal* Izdatel'stvo Akademii Nauk BSSR, Editorial address: Polesnaya 25, Minsk 13, USSR [English translation in: *J. Eng. Phys. (USA)*]
- Ion Exch. & Membranes (GB)** - (IEXMBW)  
*Ion Exchange and Membranes* Gordon & Breach Science Publishers Ltd., 41 and 42 William IV Street, London, WC2, England
- Ion-Selective Electrode Rev. (GB)** - (ISRVD8)  
*Ion-Selective Electrode Reviews* Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England
- Ir. Comput. (Ireland)**  
*Irish Computer* Computer Publications of Ireland Ltd., 'Birchdale', Cherrywood Road, Loughlinstown, Co. Dublin, Ireland
- Iran. J. Sci. & Technol. (GB)** - (IJSTBT)  
*Iranian Journal of Science and Technology* Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England
- Iraqi J. Sci. - (IRJSD5)**  
*Iraqi Journal of Science* College of Science, Adamiya, Baghdad, Iraq
- Irish Astron. J. - (IRAJAW)**  
*Irish Astronomical Journal* Armagh Observatory, Northern Ireland
- Iron & Steel Eng. (USA)** - (IRSEA5)  
*Iron and Steel Engineer* Association of Iron & Steel Engineers, Suite 2350, Three Gateway Centre, Pittsburgh, PA 15222, USA
- Iron & Steel Int. (GB)** - (ISINBO)  
*Iron and Steel International* IPC Science and Technology Press Ltd., P.O. Box 63, Westbury House, Bury Street, Guildford, Surrey GU2 5BH, England
- ISA Trans. (USA)** - (ISATAZ)  
*ISA Transactions* Instrument Society of America, P.O. Box 12277, 67 Alexander Drive, Research Triangle Park, NC 27709, USA
- Ishikawajima-Harima Eng. Rev. (Japan)** - (ISHGAV)  
*Ishikawajima-Harima Engineering Review* 2-16 Toyosu 3-chome, Kotuko, Tokyo 135, Japan
- ISI Bull. (India)** - (ISTBA8)  
*ISI Bulletin* Indian Standards Institution, Manak Bhavan, 9 Bahadur Shah Zafar Marg, New Delhi 110002, India
- Islamabad J. Sci. (Pakistan)** - (IJSODE)  
*Islamabad Journal of Sciences* University of Islamabad, Islamabad, Pakistan
- Isr. J. Chem. (Israel)** - (ISJCAT)  
*Israel Journal of Chemistry* Weizmann Science Press, P.O. Box 801, Jerusalem 91000, Israel
- Isr. J. Math. (Israel)** - (ISJMAP)  
*Israel Journal of Mathematics* Weizmann Science Press of Israel, P.O. Box 801, Jerusalem 91007, Israel
- Isr. J. Technol. (Israel)** - (ISJTAC)  
*Israel Journal of Technology* Weizmann Science Press, P.O. Box 801, Jerusalem 91000, Israel
- ITN Inf. Technol. News (USA)** - (IITNDB)  
*ITN Information Technology News* Horizon House-Microwave Inc., 610 Washington Street, Dedham, MA 02026, USA
- Itogi Nauk. & Tekh. Ser. Issled. Kosm. Prostranstva (USSR)** - (IIKPA3)  
*Itogi Nauki i Tekhniki Seriya Issledovanie Kosmicheskogo Prostranstva* Akademii Nauk SSSR, Institut Nauchnoi i Tekhnicheskoi Informatsii, Moskva, A-219, Baltiskaya Ul. 14, USSR
- IUCC Bull. (GB)** - (IUBUDQ)  
*IUCC Bulletin* Inter-University Committee on Computing, c/o Computer Laboratory, University of Cambridge, Corn Exchange Street, Cambridge CB2 3QG, England
- Izmer. Tekh. (USSR)** - (IZTEAW)  
*Izmeritel'naya Tekhnika* Academy of Sciences USSR Leninskii Prospekt, Moskva, USSR [English translation in: *Meas. Tech. (USA)*]
- Izotoptekhnika (Hungary)** - (IZTTA9)  
*Izotoptekhnika* Magyar Tudományos Akadémia Izotop Intezete, Pf. 77, Budapest 1525, Hungary
- Izv. Acad. Sci. USSR Atmos. & Oceanic Phys. (USA)** - (IAOPB2)  
*Izvestiya, Academy of Sciences USSR. Atmospheric and Oceanic Physics* [Translation of: *Izv. Akad. Nauk SSSR Fiz. Zemli*] American Geophysical Union, 1909 K Street, N.W., Washington, DC 20006, USA
- Izv. Acad. Sci. USSR Phys. Solid Earth (USA)** - (IPSEBQ)  
*Izvestiya Academy of Sciences USSR. Physics of the Solid Earth* [Translation of: *Izv. Akad. Nauk SSSR Fiz. Zemli*] American Geophysical Union, 1909 K Street, N.W., Washington, DC 20006, USA
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*Izvestiya Akademii Nauk Armyanskoi SSR Fizika* Editorial address: Erevan-GCP, Berekamutyan 24 B, USSR
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*Izvestiya Akademii Nauk SSSR Energetika i Transport* Izdatel'stvo 'Nauka', 103717 Moskva, Podosenskiy 21, USSR [English translation in: *Power Eng. (Acad. Sci. USSR) (USA)*]
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*Izvestiya Akademii Nauk SSSR, Fizika Atmosfery i Okeana* Akademiya Nauk SSSR, Leninskii Prospekt, 14, Moskva, USSR [English translation in: *Izv. Acad. Sci. USSR Atmos. & Oceanic Phys. (USA)*]
- Izv. Akad. Nauk SSSR Fiz. Zemli - (IAFZAK)**  
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- Izv. Akad. Nauk SSSR Mekh. Tverd. Tela - (IZMTB9)**  
*Izvestiya Akademii Nauk SSSR Mekhanika Tverdogo Tela* Izdatel'stvo 'Nauka', 103717 Moskva, Podosenskiy 21, USSR [English translation in: *Mech. Solids (USA)*]
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*Izvestiya Akademii Nauk SSSR Mekhanika Zhidkosti i Gaza* Izdatel'stvo 'Nauka', 103717 Moskva, Podosenskiy 21, USSR [English translation in: *Fluid Dyn. (USA)*]
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*Izvestiya Akademii Nauk SSSR, Seriya Fizicheskaya* Izdatel'stvo 'Nauka', 103717 Moskva, Podosenskiy 21, USSR [English translation in: *Bull. Acad. Sci. USSR, Phys. Ser. (USA)*]
- Izv. Akad. Nauk UzSSR Ser. Tekh. Nauk - (IUZTA4)**  
*Izvestiya Akademii Nauk UzSSR. Seriya Tekhnicheskikh Nauk* Tashkent, USSR
- Izv. Akad. Nauk. SSSR Met. - (IZNMAQ)**  
*Izvestiya Akademii Nauk SSSR, Metall* Izdatel'stvo 'Nauka', 103717 Moskva, Podosenskiy 21, USSR [English translation in: *Russ. Metall. (GB)*]
- Izv. Gl. Astron. Obs. Pulkovo (USSR)** - (IGOPA9)  
*Izvestiya Glavnoi Astronomicheskoi Observatorii v Pulkovo* Leningradskoe Otdelenie Izdatel'stva 'Nauka', B-164 Mendelevskaya Lin., d.1, Leningrad, USSR
- Izv. Khim. Bulg. Akad. Nauk. (Bulgaria)** - (IZKHDX)  
*Izvestiya po Khimiiya Bulgarska Akademiya na Naukite* Bulgarian Academy of Sciences, 1 7th November Street, Sofia C, Bulgaria
- Izv. Krym. Astrofiz. Obs. (USSR)** - (IKAOAW)  
*Izvestiya Krymskoi Astrofizicheskoi Observatorii* Izdatel'stvo 'Nauka', 103717 Moskva, Podosenskiy 21, USSR [English translation in: *Bull. Crimean Astrophys. Obs. (USA)*]
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*Izvestiya na Vmel 'Lenin'* D'rshavno Izdatelstvo 'Tekhnika', Sofiya, Bulgaria
- Izv. VUZ Aviats. Tekh. (USSR)** - (IVUAAV)  
*Izvestiya VUZ Aviatsonnaya Tekhnika* G. Kacanya, K. Marks 10, Kasaskii Aviatsonnyu Institut, USSR [English translation in: *Sov. Aeronaut. (USA)*]
- Izv. VUZ Elektromekh. (USSR)** - (IVUEA9)  
*Izvestiya Vysshikh Uchebnykh Zavedenii, Elektromekhanika* 346400 Novochoerkassk, ul. Prosveshcheniya 132, Moskva, USSR
- Izv. VUZ Energ. (USSR)** - (IVZEAY)  
*Izvestiya Vysshikh Uchebnykh Zavedenii, Energetika* Belorusskii Politehnicheskii Institut, Minsk, Leninskii Prospekt, 65, USSR
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*Izvestiya Vysshikh Uchebnykh Zavedenii, Fizika* Higher Education Institutes, Tomsk, USSR [English translation in: *Sov. Phys. J. (USA)*]
- Izv. VUZ Gornyi Zh. (USSR)** - (IVUOA5)  
*Izvestiya Vysshikh Uchebnykh Zavedenii, Gornyi Zhurnal* Ministerstvo Vyshego i Srednego Spetsial'nogo Obrazovaniya, Moskva. Editorial address: Sverdlovsk, Universitetskaya Pl., 9, USSR
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*Izvestiya Vysshikh Uchebnykh Zavedenii, Mashinostroenie* Moskva 107005, 2nd Baumanskaya 5, USSR
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*Izvestiya VUZ Matematika* Izdatel'stvo Gosudarstvennogo Universiteta, 420008 G. Kazan, Ul. V I Lenina 18, USSR [English translation in: *Sov. Math. (USA)*]
- Izv. VUZ Pishch. Tekhnol. (USSR)** - (IVUPA8)  
*Izvestiya Vysshikh Uchebnykh Zavedenii Pishchevaya Tekhnologiya* Krasnodar Polytechnical Institute, 350 006 G. Krasnodar, Ul. Krasnaya 135, USSR
- Izv. VUZ Pribostr. (USSR)** - (IVUBAY)  
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*Izvestiya Vysshikh Uchebnykh Zavedenii, Radioelektronika* Kievskii Ordena Lenina Politehnicheskii Institut, 252056 Kiev 56, Brest-Litovskii Prospekt 39, USSR [English translation in: *Radioelectron. & Commun. Syst. (USA)*]
- Izv. VUZ Radiofiz. (USSR)** - (IVRYAY)  
*Izvestiya Vysshikh Uchebnykh Zavedenii, Radiofizika* Gor'kovskiy Universitet G. Gor'kiy, ul. Lyadova 25, USSR [English translation in: *Radiophys. & Quantum Electron. (USA)*]
- Izv. VUZ Tekhnol. Legkoi Prom.-st. (USSR)** - (IVTTAF)  
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*Journal A* Koninklijke Vlaamse Ingenieurs-Vereniging, Jan van Rijswijcklaan 58, B-2000 Antwerp, Belgium
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*Journal of the Acoustical Society of America* Published for the Acoustical Society of America by the American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA
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*Journal of the Acoustical Society of India* Prof. B. Ramachandra Rao, Acoustical Society of India, University Grants Commission, Bahadur-Shah Zafar Marg, New Delhi-2, India
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*Journal of the Acoustical Society of Japan (E)* Ikeda-Building, 2-7-7, Yoyogi, Shibuya-ku, Tokyo 151, Japan
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*Journal of Adhesion* Gordon & Breach Science Publishers Ltd., 42 William IV Street, London WC2N 4DE, England
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*Journal of Aerosol Science* Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 0BW, England
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*Journal of Algorithms* Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA
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*Journal of the American Association of Variable Star Observers* 187 Concord Avenue, Cambridge, MA 02138, USA
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*Journal of Applied Crystallography* Munksgaard International Booksellers and Publishers Ltd., 35 Norre Sogade, DK 1370 Kobenhavn K, Denmark
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*Journal of Applied Mechanics and Technical Physics* [Translation of: *Zh. Prikl. Mekh. & Tekh. Fiz. (USSR)*] Consultants Bureau, 227 West 17th Street, New York, NY 10011, USA
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*Journal of Applied Meteorology* American Meteorological Society, 45 Beacon Street, Boston, MA 02108, USA
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*Journal of Applied Photographic Engineering* Society of Photographic Scientists and Engineers, Suite 204, 1330 Massachusetts Avenue, N.W., Washington, DC 20005, USA
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*Journal of Applied Physics* American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA
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*Journal of Applied Probability* University of Sheffield, Department of Probability and Statistics, Sheffield, S3 7RH, England
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*Journal of Approximation Theory* Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA
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*Journal of the Astronautical Sciences* American Astronautical Society, 6060 Duke Street, Alexandria, VA 22304, USA
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*Journal of Astrophysics and Astronomy* Indian Academy of Sciences, P.O.Box 8005, Bangalore 560080, India
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*Journal of the Atomic Energy Society of Japan* 1-5-4 Ohte-machi, Chiyoda-ku, Tokyo 100, Japan
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*Journal of the Atmospheric Sciences* American Meteorological Society, 45 Beacon Street, Boston, MA 02108, USA
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*Journal of the Audio Engineering Society* Lincoln Building, Room 929 60 East 42nd Street, New York, NY 10017, USA
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*Journal of the Australian Mathematical Society Series A (Pure Mathematics)* Department of Mathematics, University of Queensland, St. Lucia, QLD 4067, Australia
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*Journal of Automatic Chemistry* United Trade Press Ltd., UTP House, 33-35 Bowling Green Lane, London EC1R 0DA, England
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*Journal Belge de Radiologie* Societe Royale Belge de Radiologie, Avenue des Eglantines 10, 1150 Brussels, Belgium
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*Journal of Biochemical and Biophysical Methods* Elsevier/North-Holland Biomedical Press, P.O. Box 211, 1000 AE Amsterdam, Netherlands
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*Journal of Biomedical Engineering* IPC Science and Technology Press Ltd., P.O. Box 63, Westbury House, Bury Street, Guildford, Surrey GU2 5BH, England
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*Journal de Biophysique & Medecine Nucleaire* Societe Francaise de Biophysique et Medecine Nucleaire, c/o A.F.A.S., 250 rue Saint-Jacques, 75005 Paris, France
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*Journal of the Birla Institute of Technology and Science* Birla Institute of Technology and Sciences, Pilani, Rajasthan, India
- J. Br. Astron. Assoc. (GB)** - (JBAAA6)  
*Journal of the British Astronomical Association* Burlington House, Piccadilly, London, W1V 0NL, England
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*Journal of the British Interplanetary Society* British Interplanetary Society, 27-29 South Lambeth Road, London SW8 1SZ, England
- J. Chart. Inst. Build. Serv. (GB)** - (JIBSDF)  
*Journal of the Chartered Institution of Building Services* Building Services Publications Ltd., Builder House, 1-3 Pemberton Row, Red Lion Court, Fleet Street, London EC4P 4HL, England
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*Journal of Chemical Education* American Chemical Society, 119 West 24th Street, New York, NY 10011, USA
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*Journal of Chemical Information and Computer Sciences* American Chemical Society, 1115 Sixteenth Street, N.W., Washington, DC 20036, USA
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- J. Chem. Soc. Faraday Trans. I (GB)** - (JCFTAR)  
*Journal of the Chemical Society Faraday Transactions I* Burlington House, London, W1V 0BN, England
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*Journal of the Chemical Society Faraday Transactions II* Burlington House, London, W1V 0BN, England
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*Journal of Clinical Computing* 166 Morris Avenue, Buffalo, NY 14214, USA
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*Journal of Clinical Engineering* Quest Publishing Co., 1351 Titan Way, Brea, CA 92621, USA
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*Journal of Clinical Ultrasound* John Wiley & Sons Inc., 605 Third Avenue, New York, NY 10158, USA
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*Journal of Colloid and Interface Science* Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA
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*Journal of Computer and System Sciences* Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA
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*Journal of Computational Physics* Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA
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*Journal of the Computer Society of India* Computer Group, Tata Institute of Fundamental Research, Colaba, Bombay 400 005, India
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*Journal of Crystal and Molecular Structure* Plenum Publishing Corp., 227 West 17th Street, New York, NY 10011, USA
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*Journal of Crystal Growth* North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands
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*Journal of Cybernetics and Information Science* Western Periodicals Co., 13000 Raymer Street, North Hollywood, CA 91605, USA
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*Journal of Cybernetics* Title changed to: *Cybern. & Syst. (USA)*
- J. Dalian Inst. Technol. (Dalian Gongxueyuan Xuebao) (China)** - (TKHPDO)  
*Journal of Dalian Institute of Technology (Dalian Gongxueyuan Xuebao)* Dalian, People's Republic of China
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*Journal of Design Automation & Fault-Tolerant Computing* Title changed to: *J. Digital Syst. (USA)*
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*Journal of Differential Equations* Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA
- J. Digital Syst. (USA)** - (JDSYDF)  
*Journal of Digital Systems* Formerly: *J. Des. Autom. & Fault-Tolerant Comput. (USA)* Computer Science Press Inc., 9125 Fall River Lane, Potomac, MD 20854, USA
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*Journal of Documentation* Aslib, 3 Belgrave Square, London, SW1X 8PL, England
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*Journal of Economic Dynamics and Control* North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands
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*Journal of Educational Data Processing* Shirley Camden, Journal of Educational Data Processing, P.O. Box 867, Soquel, CA 95073, USA
- J. Educ. Librarianship (USA)** - (JLELAR)  
*Journal of Education for Librarianship* Association of American Library Schools, 471 Park Lane, State College, PA 16801, USA
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*Journal of Educational Technology Systems* Baywood Publishing Co. Inc., 120 Marine Street, Farmingdale, NY 11735, USA
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*Journal of Elasticity* Sijthoff & Noordhoff International Publishers, P.O. Box 4, 2400 MA Alphen aan den Rijn, Netherlands
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*Journal of Electrical and Electronics Engineering, Australia* Institution of Engineers, Australia, 11 National Circuit, Barton, A.C.T. 2600, Australia. Institution of Radio and Electronics Engineers, Australia, 35-43 Clarence Street, Sydney, N.S.W. 2000
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*Journal of the Electrochemical Society* 215 Canal Street, Manchester, NH 03108, USA
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*Journal of the Electrochemical Society of India* c/o Indian Institute of Science, Department of Metallurgy, Bangalore 560012, India
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*Journal of Electron Microscopy* Japanese Society of Electron Microscopy, c/o Japan Academic Society Centre, 4-16 Yayoi 2 Chome, Bunkyo-ku, Tokyo 113, Japan
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*Journal of Engineering Mathematics* Sijthoff & Noordhoff, International Publishers, Journal Department, P.O. Box 4, Alphen Aan den Rijn, Netherlands
- J. Eng. Phys. (USA)** - (JEPHAL)  
*Journal of Engineering Physics* [Translation of: *Inzh.-Fiz. Zh. (USSR)*] Consultants Bureau, 227 West 17th Street, New York, NY 10011, USA
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*Journal of Engineering Sciences* College of Engineering, University of Riyadh, P.O. Box 800, Riyadh, Saudi Arabia
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*Journal of Environmental Sciences* Institute of Environmental Sciences, 940 East Northwest Highway, Mt. Prospect, IL 60056, USA
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*Journal de L'Equipment Electrique et Electronique* Edition Tests, 71 boulevard Richard Lenoir, 75011 Paris, France
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*Journal of the Faculty of Engineering, University of Tokyo, Series A* 3-1, 7-Chome, Hongo, Bunkyo-ku, Tokyo 113, Japan
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*Journal of Fluid Mechanics* Cambridge University Press, Bentley House, 200 Euston Road, London, NW1 2DB, England
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*Journal of the Franklin Institute* Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England
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*Journal of Functional Analysis* Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA
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*Journal of Fusion Energy* Plenum Publishing Corp., 227 West 17th Street, New York, NY 10011, USA
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*Journal of Geology* University of Chicago Press, 5801 Ellis Avenue, Chicago, IL 60637, USA
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*Journal of Geomagnetism and Geoelectricity* University of Tokyo Press, c/o Business Centre for Academic Societies, 4-16 Yayoi 2-chome, Bunkyo-ku, Tokyo 113, Japan
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*Journal of Geophysics (Zeitschrift für Geophysik)* Springer-Verlag, 6900 Heidelberg 1, Postfach 105280, Germany
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*Journal of Graph Theory* John Wiley & Sons Inc., 605 Third Avenue, New York, NY 10016, USA
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*Journal for the History of Astronomy* Science History Publications Ltd., Halfpenny Furze, Mill Lane, Chalfont St. Giles, Bucks. HP8 4NR, England
- J. Huazhong Inst. Technol. (Engl. Ed.) (China)** - (JJHTDL)  
*Journal of Huazhong Institute of Technology (English Edition)* Subscription address: Guozi Shudian, P.O. Box 399, Beijing, People's Republic of China
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*Journal of the Illuminating Engineering Institute of Japan* 3 Yurakucho, 1-chome, Chiyodaku, Tokyo 100, Japan
- J. Illum. Eng. Soc. (USA)** - (JIESBS)  
*Journal of the Illuminating Engineering Society* 345 East 47th Street, New York, NY 10017, USA
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*Journal of Information & Optimization Sciences* Analytic Publishing Co., F-23 Model Town, Delhi-110009, India
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*Journal of Informatics* Informatics School of Library, Archive & Information Studies, University College London, Gower Street, London, WC1E 6BT, England
- J. Inf. Process. (Japan)** - (JIPRDE)  
*Journal of Information Processing* Information Processing Society of Japan, Kikai-Shinko Kaikan, 3-5-8 Shiba-koen, Kinato-ku, Tokyo 105, Japan
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- J. Ing. (Belgium)** - (JOINA6)  
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*Journal of the Institution of Electronics and Telecommunication Engineers* Institution of Electronics & Telecommunication Engineers, 2 Institutional Area, Lodi Road, New Delhi 110003, India
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*Journal of the Institute of Energy* 18 Devonshire Street, Portland Place, London W1N 2AU, England
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*Journal of the Institution of Engineers (India) Electrical Engineering Division* 8 Gokhale Road, Calcutta 700020, India
- J. Inst. Eng. (India) Electron. & Telecommun. Eng. Div. - (JEETA2)**  
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*Journal of the Institute of Mathematics and its Applications* Title changed to: *IMA J. Appl. Math. (GB)*
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*Journal of the Japan Institute of Metals* Aza-Aoba Aramaki, Sendai 980, Japan
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*Journal of the Japan Society of Precision Engineering* Ceramics Building, 22-12, Hyakunincho 2-chome, Shinjuku-Ku, Tokyo, Japan
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*Journal of the Korea Information Science Society* Korea Advanced Institute of Science, P.O. Box 150, Chongyangni, Seoul, Korea
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*Journal of Korea Institute of Electronics Engineers* 24 Sinmoon Ro 1Ka, Chongro Ku, Seoul 110, Korea
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*Journal of the Korean Physical Society* Korean Physical Society, Science Centre Building, San 76-561, Yulsan-dong, Kangam-ku, Seoul, Korea
- J. Less-Common Met. (Switzerland) - (JCOMAH)**  
*Journal of the Less-Common Metals* Elsevier Sequoia SA, P.O. Box 851, 1001 Lausanne 1, Switzerland
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*Journal of Library Automation* 50 East Huron Street, Chicago, IL 60611, USA
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*Journal of Librarianship* Library Association, 7 Ridgmount Street, London, WC1E 7AE, England
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*Journal of Low Temperature Physics* Plenum Publishing Corp., 227 West 17th Street, New York, NY 10011, USA
- J. Lumin. (Netherlands) - (JLUMA8)**  
*Journal of Luminescence* North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands
- J. Macromol. Sci. - Phys. (USA) - (JMAPBR)**  
*Journal of Macromolecular Science - Physics* Marcel Dekker Inc., P.O. Box 11305, Church Street Station, New York, NY 10249, USA
- J. Magn. & Magn. Mater. (Netherlands) - (JMMMDC)**  
*Journal of Magnetism and Magnetic Materials* North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands
- J. Magn. Resonance (USA) - (JOMRA4)**  
*Journal of Magnetic Resonance* Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA
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*Journal of Materials Science* Chapman and Hall, 11 New Fetter Lane, London, EC4P 4EE, England
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*Journal of Mathematical and Physical Sciences* Indian Institute of Technology, Madras 600 036, India
- J. Math. Anal. & Appl. (USA) - (JMANAK)**  
*Journal of Mathematical Analysis and Applications* Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA
- J. Math. Biol. (Germany) - (JMBLAI)**  
*Journal of Mathematical Biology* Springer-Verlag, Heidelberger Platz 3, D-1000 Berlin 33, Germany
- J. Math. Modelling Teach. (GB)**  
*Journal of Mathematical Modelling for Teachers* Cranfield Centre for Teacher Services, Cranfield Institute of Technology, Cranfield, Bedford MK43 0AL, England
- J. Math. Phys. (USA) - (JMAPAQ)**  
*Journal of Mathematical Physics* American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA
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*Journal of Mathematical Sociology* Gordon & Breach Science Publishers Ltd., 42 William IV Street, London WC2N 4DE, England
- J. Mec. (France) - (JOMCAR)**  
*Journal de Mecanique* Centrale des Revues, Dunod/Gauthier-Villars, 26 Boulevard de l'Hopital, 75005 Paris, France
- J. Mec. Appl. (France) - (JMAPDT)**  
*Journal de Mecanique Appliquee* Centrale des Revues Dunod/Gauthier-Villars, 70 rue de Saint-Mande, B.P. 119, 93104 Montreuil Cedex, France
- J. Mech. & Phys. Solids (GB) - (JMPSA8)**  
*Journal of the Mechanics and Physics of Solids* Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England
- J. Mech. Eng. Lab. (Japan) - (KGKSBL)**  
*Journal of Mechanical Engineering Laboratory* Namiki Sakura-mura, Niihari-gun, Ibaraki, Japan
- J. Mech. Eng. Sci. (GB) - (JMESAL)**  
*Journal of Mechanical Engineering Science* Institution of Mechanical Engineers, P.O. Box 24, Northgate Avenue, Bury St. Edmunds, Suffolk IP32 6BW, England
- J. Med. Eng. & Technol. (GB) - (JMTEDN)**  
*Journal of Medical Engineering & Technology* United Trade Press Ltd., 33-35 Bowling Green Lane, London EC1R 0DA, England
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*Journal of Membrane Science* Elsevier Scientific Publishing Co., P.O. Box 330, 1000 AH Amsterdam, Netherlands
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*Journal of Metals* Metallurgical Society of AIME, P.O. Box 430, 420 Commonwealth Drive, Warrendale, PA 15086, USA
- J. Microgr. (USA) - (JMGPNB)**  
*Journal of Micrographics* National Micrographics Association, Dept. F, 8719 Colesville Road, Silver Spring, MD 20910, USA
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*Journal de Microscopie et de Spectroscopie Electroniques* Societe Francaise de Microscopie Electronique, 67 rue Maurice-Gunsbourg, 94200 Ivry, France
- J. Microsc. (GB) - (JMICAR)**  
*Journal of Microscopy* Blackwell Scientific Publications Ltd., Osney Mead, Oxford OX2 0EL, England
- J. Microwave Power (Canada) - (JLMPAB)**  
*Journal of Microwave Power* IMPI, University of Ottawa, Ottawa, Ont. K1N 6N5, Canada
- J. Mol. Spectrosc. (USA) - (JMOSA3)**  
*Journal of Molecular Spectroscopy* Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA
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*Journal of Molecular Structure* Elsevier Scientific Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands
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*Journal of Multivariate Analysis* Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA
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*Journal of National Chiao Tung University* College of Engineering, 45 Po Ai Street, Hsinchu 300, Taiwan
- J. Natl. Res. Coun. Thailand - (JRCTAF)**  
*Journal of the National Research Council of Thailand* Thai National Documentation Centre, Bangkok, Thailand
- J. Navig. (GB) - (JONVAL)**  
*Journal of Navigation* Royal Institute of Navigation at the Royal Geographical Society, 1 Kensington Gore, London, SW7 2AT, England
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*Journal of Neuroscience Methods* Elsevier/North-Holland, Journal Division, P.O. Box 211, 1000 AE Amsterdam, Netherlands
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*Journal of Non-Crystalline Solids* North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands
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*Journal of Non-Equilibrium Thermodynamics* Walter de Gruyter & Co., Genthiner Strasse 13, D-1000 Berlin 30, Germany
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*Journal of Non-Newtonian Fluid Mechanics* Elsevier Scientific Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands
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*Journal of Nondestructive Evaluation* Plenum Publishing Corp., 227 West 17th Street, New York, NY 10011, USA
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- J. Nucl. Med. & Allied Sci. (Italy) - (JNMSD3)**  
*Journal of Nuclear Medicine and Allied Sciences* Edizioni Minerva Medica, Corso Bramante 83-85, Torino, Italy
- J. Nucl. Med. (USA) - (JNMEAQ)**  
*Journal of Nuclear Medicine* Society of Nuclear Medicine, 475 Park Avenue South, New York, NY 10016, USA
- J. Nucl. Med. Technol. (USA) - (JNMTB4)**  
*Journal of Nuclear Medicine Technology* Society of Nuclear Medicine, 475 Park Avenue South, New York, NY 10016, USA
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*Journal of Nuclear Science and Technology* Atomic Energy Society of Japan, 1-5-4 Ohte-machi, Chiyoda-ku, Tokyo 100, Japan
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*Journal of the Operations Research Society of Japan* Operations Research Society of Japan, 4-16 Yayoi 2-chome, Bunko-ku, Tokyo 113, Japan
- J. Opt. (France) - (JOOPDB)**  
*Journal of Optics* Masson Editeur, 120 Boulevard Saint-Germain, 75280 Paris Cedex 06, France
- J. Opt. (India) - (JOPTBQ)**  
*Journal of Optics* Optical Society of India, Department of Applied Physics, University of Calcutta, 92 Acharya Prafulla Chandra Road, Calcutta 700 009, India
- J. Opt. Commun. (Germany) - (JOCODG)**  
*Journal of Optical Communications* Fachverlag Schiele & Schon GmbH, Markgrafenstrasse 11, D-1000 Berlin 61, Germany
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*Journal of the Optical Society of America* Published for the Optical Society of America by the American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA
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*Journal of Optimization Theory and Applications* Plenum Publishing Co., 227 West 17th Street, New York, NY 10011, USA
- J. Petrol. (GB) - (JPTGAD)**  
*Journal of Petrology* Oxford University Press, Press Road, London NW10 0DD, England
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*Journal of Photographic Science* Royal Photographic Society, 14 South Audley Street, London W1Y 5DP, England
- J. Phys. & Chem. Ref. Data (USA) - (JPCRBU)**  
*Journal of Physical and Chemical Reference Data* American Chemical Society, 1155 Sixteenth Street, N.W., Washington, DC 20036, USA
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*Journal of the Physics and Chemistry of Solids* Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

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*Journal de Physique* Zone Industrielle de Courtaboeuf, B.P. 112, 91944 Les Ulis Cedex, France
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*Journal of Physics A, (Mathematical and General)* Institute of Physics, 47 Belgrave Square, London SW1X 8QX, England
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- J. Phys. C (GB)** – (JPSOAW)  
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*Journal of Physical Chemistry* American Chemical Society, 1155 Sixteenth Street N.W., Washington, DC 20036, USA
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*Journal de Physique Colloque* Societe Francaise de Physique, 87 bis Avenue du General Leclerc, 75014 Paris, France
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*Journal of Physics of the Earth* University of Tokyo Press, c/o Business Centre for Academic Sciences, 4-16 Yayoi 2-chome, Bunkyo-ku, Tokyo 113, Japan. Subscription address: Japan Publications Trading Co. Ltd., C.P.O. 722, Tokyo, Japan
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*Journal of Physics F, (Metal Physics)* Institute of Physics, 47 Belgrave Square, London SW1X 8QX, England
- J. Phys. G (GB)** – (JPHGBM)  
*Journal of Physics G, (Nuclear Physics)* Institute of Physics, 47 Belgrave Square, London SW1X 8QX, England
- J. Phys. Lett. (France)** – (JPSLBO)  
*Journal de Physique Lettres* Issued with: *J. Phys. (France)*
- J. Phys. Oceanogr. (USA)** – (JPYOBT)  
*Journal of Physical Oceanography* American Meteorological Society, 45 Beacon Street, Boston, MA 02108, USA
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*Journal of the Physical Society of Japan* Room 211, Kikai Shinko Building, 3-5-8 Shiba Koen, Minato-ku, Tokyo 105, Japan
- J. Plasma Phys. (GB)** – (JPLPBZ)  
*Journal of Plasma Physics* Cambridge University Press, Bentley House, 200 Euston Road, London, NW1 2DB, England
- J. Polym. Sci. Polym. Chem. Ed. (USA)** – (JPLCAT)  
*Journal of Polymer Science, Polymer Chemistry Edition* John Wiley & Sons Ltd., 605 Third Avenue, New York, NY 10016, USA
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*Journal of Polymer Science, Polymer Letters Edition* John Wiley & Sons Inc., 605 Third Avenue, New York, NY 10016, USA
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*Journal of Power Sources* Elsevier Sequoia S.A., P.O. Box 851, CH-1001 Lausanne 1, Switzerland
- J. Qing Hua Univ. (China)** – (CHHPAH)  
*Journal of Qing Hua University* People's Press, Beijing, People's Republic of China
- J. Qual. Technol. (USA)** – (JQUTAU)  
*Journal of Quality Technology* American Society of Quality Control, Plankinton Building, 161 West Wisconsin Avenue, Milwaukee, WI 53203, USA
- J. Quant. Spectrosc. & Radiat. Transfer (GB)** – (JQSRAE)  
*Journal of Quantitative Spectroscopy and Radiative Transfer* Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England
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*Journal of the Royal Astronomical Society of Canada* 124 Merton Street, Toronto, Ontario M4S 2Z2, Canada
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*Journal of the Royal Electrical and Mechanical Engineers* Moat House, Arborfield, Berks., RG2 9LN, England
- J. R. Signals Inst. (GB)** – (JRSIBT)  
*Journal of the Royal Signals Institution* Cheltenham Terrace, London, SW3 4RH, England
- J. Radiat. Res. (Japan)** – (JRARAX)  
*Journal of Radiation Research* Japan Radiation Research Society, c/o National Institute of Radiological Sciences, Anagawa 4-9, Chiba 280, Japan
- J. Radio Res. Lab. (Japan)** – (JRRLAW)  
*Journal of the Radio Research Laboratories* Chief Planning Section, Radio Research Laboratories, Ministry of Posts & Telecommunications, Nukui-Kitamachi, Konganei-shi, Tokyo 184, Japan
- J. Radioanal. Chem. (Switzerland)** – (JRACBN)  
*Journal of Radioanalytical Chemistry* Elsevier Sequoia S.A., P.O. Box 851, 1001 Lausanne 1, Switzerland. Kultura, H-1389 Budapest, 62, P.O. Box 149, Hungary
- J. Raman Spectrosc. (GB)** – (JRSPAF)  
*Journal of Raman Spectroscopy* Heyden & Son Ltd., Spectrum House, Hillview Gardens, London NW4 2JQ, England
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*Journal de Recherches Atmospheriques* Observatoire du Puy de Dome, 12 avenue des Landais, 63001 Clermont Ferrand Cedex, France
- J. Res. Commun. Stud. (Netherlands)** – (JRCSDF)  
*Journal of Research Communication Studies* Elsevier Scientific Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands
- J. Res. Inst. Sci. & Technol. Nihon Univ. (Japan)** – (NDRKA9)  
*Journal of the Research Institute of Science and Technology, Nihon University* Nihon, Japan
- J. Res. Music Educ. (USA)** – (JRMEAK)  
*Journal of Research in Music Education* Music Educators National Conference, 1902 Association Drive, Reston, VA 22091, USA
- J. Res. Natl. Bur. Stand. (USA)** – (JRNBA9)  
*Journal of Research of the National Bureau of Standards* US Government Printing Office, Washington, DC 20402, USA
- J. Rheol. (USA)** – (JORHD2)  
*Journal of Rheology* Published for the Society of Rheology by John Wiley & Sons Inc., 605 Third Avenue, New York, NY 10016, USA
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*Journal of Scientific and Industrial Research* Sales & Distribution Office, Publications & Information Directorate, Hillside Road, New Delhi 110012, India
- J. Sci. Hiroshima Univ. A (Japan)** – (JSHAAO)  
*Journal of Science of the Hiroshima University, Series A (Physics and Chemistry)* Publishing Committee of Series A, Department of Chemistry, Faculty of Science, Hiroshima University, Hiroshima 730, Japan
- J. Sci. Res. Banaras Hindu Univ. (India)** – (JSRBA9)  
*Journal of Scientific Research of the Banaras Hindu University* PO-Banaras Hindu University, India
- J. Sci. Soc. Thailand** – (VKSTDB)  
*Journal of the Science Society of Thailand* Chulalongkorn University, Faculty of Science, Bangkok 5, Thailand
- J. Signallaufzeichnungsmater. (Germany)** – (JSZMAE)  
*Journal fur Signallaufzeichnungsmaterialien* Akademie-Verlag, 108 Berlin, Leipzigerstrasse 3-4, Germany
- J. Singapore Natl. Acad. Sci.** – (JSNABL)  
*Journal of the Singapore National Academy of Science* Tecco Organisation, 117-b Killiney Road, Singapore 9, Singapore
- J. Soc. Environ. Eng. (GB)** – (JSEEBM)  
*Journal of the Society of Environmental Engineers* Modino Press Ltd., 50 Pine Grove, London, N20 8LA, England
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*Journal of the Society of Instrument and Control Engineers* Hongo, 1-35-28-303, Bunkyo-ku, Tokyo 113, Japan
- J. Soc. Mater. Sci. Jpn. (Japan)** – (ZARYAQ)  
*Journal of the Society of Materials Science, Japan* 1 Yoshida Izumidono-cho, Sakyo-ku, Kyoto, Japan
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*Journal of the Society for Radiological Protection* C.E.G.B. Berkeley Nuclear Laboratories, Berkeley, Glos. GL13 9PB, England
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*Journal of the Society for Underwater Technology* 1 Birdcage Walk, London, SW1H 9JJ, England
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*Journal of Solid State Chemistry* Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA
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*Journal of Sound and Vibration* Academic Press Inc. (London) Ltd., 24-28 Oval Road, London, NW1 7DX, England
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*Journal of Spacecraft and Rockets* American Institute of Aeronautics and Astronautics, 1290 Avenue of the Americas, New York, NY 10019, USA
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*Journal of Speech and Hearing Research* American Speech-Language-Hearing Association, 10801 Rockville Pike, Rockville, MA 20852, USA
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*Journal of Statistical Computation and Simulation* Gordon and Breach Science Publishers Ltd., 41 and 42 William IV Street, London, WC2, England
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*Journal of Statistical Physics* Plenum Publishing Corp., 227 West 17th Street, New York, NY 10011, USA
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*Journal of Statistical Planning and Inference* North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands
- J. Strain Anal. (GB)** – (JSTABH)  
*Journal of Strain Analysis* Title changed to: *J. Strain Anal. Eng. Des. (GB)*
- J. Strain Anal. Eng. Des. (GB)** – (JSADDZ)  
*Journal of Strain Analysis for Engineering Design* Formerly: *J. Strain Anal. (GB)* Mechanical Engineering Publications Ltd., P.O. Box 24, Northgate Avenue, Bury St. Edmunds, Suffolk IP32 6BW, England
- J. Struct. Chem. (USA)** – (JSTCAM)  
*Journal of Structural Chemistry* [Translation of: *Zh. Strukt. Khim. (USSR)*] Consultants Bureau, 227 West 17th Street, New York, NY 10011, USA
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*Journal of Structural Geology* Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England
- J. Struct. Mech. (USA)** – (JSMHA2)  
*Journal of Structural Mechanics* Marcel Dekker Inc., 270 Madison Avenue, New York, NY 10016, USA
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*Journal of Symbolic Logic* Association for Symbolic Logic, P.O. Box 6248, Providence, RI 02940, USA
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*Journal of Systems and Software* Elsevier North-Holland Inc., 52 Vanderbilt Avenue, New York, NY 10017, USA
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*Journal of Systems Management* Association for Systems Management 24587 Bagley Road, Cleveland, OH 44138, USA
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*Journal of Technical Physics* Polish Academy of Sciences, Institute of Fundamental Technological Research, Palac Kultury i Nauki, Warszawa, Poland
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*Journal of Technology* Bengal Engineering College, Howrah, India
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*Journal of Testing and Evaluation* American Society for Testing and Materials, 1916 Race Street, Philadelphia, PA 19103, USA
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*Journal of Thermal Analysis* Heyden & Son Ltd., Spectrum House, Hillview Gardens, London NW4 2JQ, England. Akademiai Kiado, Alkotmany U 21, Budapest 5, Hungary

- J. Therm. Stresses (USA)** – (JTSTDA)  
*Journal of Thermal Stresses* McGraw-Hill International Book Co., 1221 Avenue of the Americas, New York, NY 10020, USA
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*Journal of Time Series Analysis* Tieto Ltd., 4 Bellevue Mansions, Bellevue Road, Clevedon, Avon BS21 7NU, England
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*Journal of Tung-Chi University* Subscription address: Guozi Shudian, P.O.Box 399, Beijing, People's Republic of China
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*Journal of the University of Kuwait (Science)* Faculty of Science, Kuwait
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*Journal of Urban Analysis* Gordon & Breach Science Publishers Ltd., 42 William IV Street, London WC2N 4DE, England
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*Journal of Vacuum Science and Technology* American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA
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*Journal of the Vacuum Society of Japan* Kikai Shinko Building, 5-8 Shibakoen, 3-chome, Minato-ku, Tokyo, Japan
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*Journal Water Pollution Control Federation* Water Pollution Control Federation, 2626 Pennsylvania Avenue, N.W., Washington, DC 20037, USA
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*Journal of Wind Engineering and Industrial Aerodynamics* Formerly: *J. Ind. Aerodyn. (Netherlands)* Elsevier Scientific Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands
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*Journal of X-Ray Technology* Society of X-Ray Technology, c/o Mr. G.E.H. Deadman, "Arvalee", Stanley Road, Marden, Kent TN12 9EL, England
- Jad. Energ. (Czechoslovakia)** – (JADEAQ)  
*Jaderna Energie* SNTL, 11302 Praha 1, Spalena ul. 51, Czechoslovakia
- JEE (Japan)** – (JEENDL)  
*JEE (Journal of Electronic Engineering)* Formerly: *JEE (Japan)* Dempa Publications Inc., 11-15 Higashi Gotanda, 1-chome, Shinagawaku, Tokyo 141, Japan
- JEE (Japan)** – (JELEBR)  
*JEE (Japan Electronic Engineering)* Title changed to: *JEE (Japan)*
- JEI-Jpn. Electron. Ind. (Japan)** – (JELIB5)  
*JEI-Japan Electronic Industry* Dempa Publications Inc., 11-15 Higashi Gotanda, 1-chome, Shinagawa-ku, Tokyo 141, Japan
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*Jemna Mechanika a Optika* SNTL, 11302 Praha 1, Spalena ul. 51, Czechoslovakia
- Jena Rev. (Germany)** – (JNRVAY)  
*Jena Review* VEB Verlag Technik, Oranienburger Strasse 13/14, 102 Berlin, Germany
- JETP Lett. (USA)** – (JTPLA2)  
*JETP Letters* [Translation of: *Pis'ma v Zh. Eksp. & Teor. Fiz. (USSR)*] American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA
- Johns Hopkins APL Tech. Dig. (USA)** – (JHADDQ)  
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*Japanese Journal of Applied Physics* Publication Office, Daini Toyokaiji Building, 24-8 Shinbashi 4-chome, Minato-bu, Tokyo 105, Japan
- Jpn. J. Med. Electron. & Biol. Eng. (Japan)** – (IYSEAK)  
*Japanese Journal of Medical Electronics and Biological Engineering* Japan Society of Medical Electronics and Biological Engineering, Kikai-shinko Building, 3-5-8 Shiba-Park, Minato-ku, Tokyo 105, Japan
- Jpn. Railw. Eng. (Japan)** – (JAREBT)  
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- Jpn. Shipbuild. & Mar. Eng. (Japan)** – (JSMEBS)  
*Japan Shipbuilding & Marine Engineering* Japan Association for Technical Information, 4-7-107 Yamazaki-cho, Machida-City, Tokyo 194-01, Japan
- Jpn. Telecommun. Rev. (Japan)** – (JTCRAN)  
*Japan Telecommunications Review* Nippon Telegraph & Telephone Public Corp., 1-6 Uchisaiwai-cho, 1-chome, Chiyoda-ku, Tokyo 100, Japan
- Jurimetrics J. (USA)** – (JURJAD)  
*Jurimetrics Journal* Section of Sciences & Technology, American Bar Association, 1155 East 60th Street, Chicago, IL 60637, USA
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- Kabel-Cables (Switzerland)** – (KACAAC)  
*Kabel-Cables* Kabelwerke Brugg AG, 5200 Brugg, Switzerland
- KDD Tech. J. (Japan)** – (KTNKAY)  
*KDD Technical Journal* International Communications Research Institute, Tokyo, Japan
- Kent Rev. (GB)**  
*Kent Review* Formerly: *Kent Tech. Rev. (GB)* Brown Boveri Kent Ltd., Biscot Road, Luton, Beds. LU3 1AL, England
- Kent Tech. Rev. (GB)** – (KTTRAH)  
*Kent Technical Review* Title changed to: *Kent Rev. (GB)*
- Ke- & Hangtech. (Hungary)** – (KEHTAS)  
*Ke-es Hangtechnika* Lapkiado Vallalat, Budapest VII, Lenin korut 9-11, Hungary
- Kexue Tongbao (China)** – (KHTPAT)  
*Kexue Tongbao* Academia Sinica, Peking, People's Republic of China [English translation in: *Kexue Tongbao (Scientia) (USA)*]
- Kexue Tongbao (Foreign Lang. Ed.) (China)** – (KHTPBU)  
*Kexue Tongbao (Foreign Language Edition)* Science Press, Beijing, People's Republic of China
- Kexue Tongbao (Scientia) (USA)** – (KETOD8)  
*Kexue Tongbao (Scientia)* [Translation of: *Kexue Tongbao (China)*] Plenum/China Program, 227 West 17th Street, New York, NY 10011, USA
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*Kibernetika i Vychislitel'naya Tekhnika* Izdatel'stvo 'Naukova Dumka', Kiev, Repina 3, USSR
- Kibernetika (USSR)** – (KBRNA5)  
*Kibernetika* Agent: Mezhdunarodnaya Kniga, Moskva, USSR [English translation in: *Cybernetics (USA)*]
- Kilobaud Microcomput. (USA)**  
*Kilobaud Microcomputing* 1001001 Inc., Pine Street, Peterborough, NH 03458, USA
- Kniznice & Ved. Inf. (Czechoslovakia)** – (KVIFA8)  
*Kniznice a Vedecké Informacie* Matica Slovenska, Martin, Mudronova 35, Czechoslovakia
- Kobunshi Ronbunshu (Japan)** – (KBRBA3)  
*Kobunshi Ronbunshu* Society of Polymer Science, Hon Building, 12-8 Ginza 5-chome, Chuo-ku, Tokyo 104, Japan
- Kodaikanal Obs. Bull. Ser. A (India)** – (KOBAB)  
*Kodaikanal Observatory Bulletin, Series A* Indian Institute of Astrophysics, Kodaikanal 3, Madurai District, Tamil Nadu, India
- Kodaikanal Obs. Bull. Ser. B (India)** – (KOBBAE)  
*Kodaikanal Observatory Bulletin, Series B* Indian Institute of Astrophysics, Kodaikanal 3, Madurai District, Tamil Nadu, India
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*Kozlemenyei Magyar Tudomanyos Akademia Muszaki Fizikai Kutato Intezetek* Hungarian Academy of Sciences, Research Institute for Technical Physics, Budapest, Ujpest 1, P.O. Box 76, Hungary
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*Kozlekedes Tudomanyi Szemle* Lapkiado Vallalat, 1073 Budapest, Lenin-Korut 9-11, Hungary
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*Kogaku to Gijutsu* Kansai University, Faculty of Engineering, Senriyama, Suita-shi, 564 Osaka, Japan
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*Kolloidnyi Zhurnal* Editorial address: Institute of Physical Chemistry, Academy of Sciences of the USSR, Moscow, USSR [English translation in: *Colloid J. USSR (USA)*]
- Koncar Strucne Inf. (Yugoslavia)** – (KONCDC)  
*Koncar Strucne Informacije* Produzece 'Rade Koncar', Post Pret, 304 Fal-lervo Set, 22 Zagreb, Yugoslavia
- Kosm. Issled. (USSR)** – (KOISAW)  
*Kosmicheske Issledovaniya* Izdatel'stvo 'Nauka', 103717 Moskva, Pod-sosenskii 21, USSR [English translation in: *Cosmic Res. (USA)*]
- Kovove Mater. (Czechoslovakia)** – (KOMAAB)  
*Kovove Materialy* Vydavatel'stvo Slovenskej Akademie Vied, Bratislava, Klemensova 19, Czechoslovakia
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*Kristall und Technik* Title changed to: *Cryst. Res. & Technol. (Germany)*
- Kristallografiya (USSR)** – (KRISAJ)  
*Kristallografiya* Akademiya Nauk SSSR, Leninskii Prosp.14, Moskva, USSR [English translation in: *Sov. Phys.-Crystallogr. (USA)*]
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*Kumamoto Journal of Science (Mathematics)* Faculty of Science, Kumamoto University, Kumamoto, Japan
- Kunstst.-Berat. (Germany)** – (KUBEAV)  
*Kunststoff-Berater* Umschau Verlag, 6000 Frankfurt am Main, Stutt-garter Strasse 18-24, Germany
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*Kvantovaya Elektronika* Izdatel'stvo 'Naukova Dumka', Kiev, Repina 3, USSR
- Kvantovaya Elektron., Moskva (USSR)** – (KVEKA3)  
*Kvantovaya Elektronika* Sovetskoe Radio, Moskva, Glavpochtam, p/ya 693, USSR [English translation in: *Sov. J. Quantum Electron. (USA)*]
- Kybernetes (GB)** – (KBNTA3)  
*Kybernetes* Thales Publications (W.O.) Ltd., 4 Pleck Farm Avenue, Blackburn BB1 8PE, England
- Kybernetika (Czechoslovakia)** – (KYBNAI)  
*Kybernetika* PNS-vyvos Tisku, Nove Mesto, Jindriska 14, 12505 Praha 1, Czechoslovakia
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*Laboratory Equipment Digest* Morgan-Grampian Ltd., 30 Calderwood Street, Woolwich, London SE18 6QH, England
- Lab. Pract. (GB)** – (LABPA3)  
*Laboratory Practice* United Trade Press, 15 Albert Mews, London W8 5RY, England
- Landis & Gyr Rev. (Switzerland)** – (LGRVA7)  
*Landis & Gyr Review* 6301 Zug, Switzerland
- Lang. & Commun. (GB)**  
*Language & Communication* Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England
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*Large Scale Systems - Theory and Applications* North-Holland Publishing Co., P.O.Box 211, 1000 AE Amsterdam, Netherlands
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*Laser und Elektro-Optik* AT-Fachverlag GmbH, 7000 Stuttgart 50, Post-fach 50 01 80, Konig-Karl-Strasse 19, Germany
- Laser Focus (USA)** – (LAFOAK)  
*Laser Focus* Advanced Publications Inc., 1001 Watertown Street, Newton, MA 02165, USA
- Laser J. (China)** – (CHIKDA)  
*Laser Journal* Shanghai Press of Science and Technology. Subscription address: Guozi Shudian, P.O.Box 399, Beijing, People's Republic of China
- LASIE (Australia)** – (IBLEAS)  
*LASIE (Information Bulletin of the Library Automated Systems Informa-tion Exchange)* Title changed to: *LASIE (Australia)*
- LASIE (Australia)**  
*LASIE (Bulletin of LASIE Australia Company Limited)* Formerly: *LASIE (Australia)* Mr. Arne L. Pedersen, P.O.Box 602, Lane Cove, NSW 2066, Australia
- Latv. PSR Zinat. Akad. Vestis (USSR)** – (LZAAVL)  
*Latvijas PSR Zinatnu Akademijas Vestis* Fundamental Library, Academy of Sciences, 4 Komunala Street, Riga, USSR
- Latv. PSR Zinat. Akad. Vestis Fiz. Teh. Zinat. Ser. (USSR)** – (LZFTA6)  
*Latvijas PSR Zinatnu Akademijas Vestis, Fizikas un Tehnisko Zinatnu Serija* Fundamental Library, Academy of Sciences, 4 Komunala Street, Riga, USSR
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*Law and Computer Technology* Title changed to: *Law/Technol. (USA)*

- Law/Technol. (USA) - (LATEDT)**  
*Law/Technology* Formerly: *Law & Comput. Technol. (USA)* World Association of Lawyers of the World Peace Through Law Center, Section on Law/Technology, Suite 800, 1000 Connecticut Avenue, N.W., Washington, DC 20036, USA
- Leitz Sci. & Tech. Inf. (Germany) - (LSTEDJ)**  
*Leitz Scientific and Technical Information* Ernst Leitz Wetzlar GmbH, Postfach 2020, D-6330 Wetzlar, Germany
- Lett. Heat & Mass Transfer (GB) - (LHMTBI)**  
*Letters in Heat and Mass Transfer* Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England
- Lett. Math. Phys. (Netherlands) - (LMPHDY)**  
*Letters in Mathematical Physics* D. Reidel Publishing Co., P.O. Box 17, 3300 AH Dordrecht, Netherlands
- Lett. Nuovo Cimento (Italy) - (LNUCAE)**  
*Lettere el Nuovo Cimento* Editrice Compositore s.r.l., Viale XII Giugno 1, 40124 Bologna, Italy
- LEW-Nachr. (Germany) - (LEWNAS)**  
*LEW-Nachrichten* Kombinat VEB LEW 'Hans Beimler', 1422 Henningsdorf, Germany
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*Library and Information Science* Mita Society of Library and Information Science, c/o School of Library and Information Science, Keio University, Mita, Minato-ku, Tokyo 108, Japan
- Libr. Comput. Equip. Rev. (USA) - (LCERD7)**  
*Library Computer Equipment Review* Microform Review Inc., 520 Riverside Avenue, P.O. Box 405, Saugatuck Station, Westport, CT 06880, USA
- Libr. Q. (USA) - (LIBQAS)**  
*Library Quarterly* University of Chicago Press, 11030 S. Langley Avenue, Chicago, IL 60628, USA
- Libr. Resour. & Tech. Serv. (USA) - (LRTSAH)**  
*Library Resources & Technical Services* American Library Association, Resources and Technical Service Division, 1201-05 Bluff Street, Fulton, MO 65251, USA
- Libr. Trends (USA) - (LIBTA3)**  
*Library Trends* University of Illinois Graduate School of Library and Information Science, 249 Armory Building, 505 East Armory Street, Champaign, IL 61820, USA
- Licht (Germany) - (LCHTAP)**  
*Licht* Dr. Alfred Huthig Verlag, 6900 Heidelberg 1, Postfach 10 28 69, Germany
- Lichtbogen (Germany) - (LIBOAM)**  
*Der Lichtbogen* Chemische Werke Huls AG, 4370 Marl, Kreis Recklinghausen, Germany
- Liet. TSR Mokslu Akad. Darbai B Ser. (USSR) - (LIMDBAL)**  
*Lietuvos TSR Mokslu Akademijos Darbai, B Serija* Vilnius, Leninio pr. 3, USSR
- Light. Equip. News (GB) - (LIENAY)**  
*Lighting Equipment News* Troup Publications, Maclean Hunter Ltd., 30 Old Burlington Street, London, W1X 2AE, England
- Light. Res. & Technol. (GB) - (LRTEA9)**  
*Lighting Research and Technology* Lighting Division, Chartered Institution of Building Services, 49 Cadogan Square, London SW1X 0JB, England
- Linde Rep. Sci. & Technol. (Germany) - (LRSTAF)**  
*Linde Reports on Science and Technology* Linde Aktiengesellschaft, Abraham Lincoln-Strasse 21, D-6200 Wiesbaden, Germany
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*Linear Algebra and its Applications* Elsevier North-Holland Inc., 52 Vanderbilt Avenue, New York, NY 10017, USA
- Litov. Fiz. Sb. (USSR) - (LFRMA7)**  
*Litovskii Fizicheskii Sbornik* Lietuvos TSR Mokslu Akademijos Centrine Biblioteka, Pozelos G-VE 54, 232600 Vilnius, USSR [English translation in: *Sov. Phys.-Collect. (USA)*]
- Ljuskultur (Sweden) - (LJUSAY)**  
*Ljuskultur* Publication address: Skeppargatan 27, Box 5512, 11485 Stockholm, Sweden
- Logist. & Transp. Rev. (Canada) - (LGTRA5)**  
*Logistics and Transportation Review* Faculty of Commerce, University of British Columbia Vancouver V6T 1W5, Canada
- Low Temp. Sci. Ser. A (Japan) - (TEKAAH)**  
*Low Temperature Science Series A, Physical Sciences* Institute of Low Temperature Science, Hokkaido University, Sapporo, Japan
- LSE Eng. Bull. (GB) - (LSEBAY)**  
*LSE Engineering Bulletin* Laurence, Scott and Electromotors, Frankland Moor House, 185-7 High Road, Norwich, NOR 85A, England
- Lucas Eng. Rev. (GB) - (LEGRAS)**  
*Lucas Engineering Review* Joseph Lucas Ltd., Great King Street, Birmingham B19 2XF, England
- Lucr. ICPE (Romania) - (LICPAU)**  
*Lucrarile ICPE* Institut de Cercetare si Proiectare Pentru Industria Electrotehnica, Bd. T. Vladimirescu No. 45-47, Raionul V.I. Lenin, Bucuresti, Rumania
- Luft- & Kaeltetech. (Germany) - (LUKAA7)**  
*Luft- und Kältetechnik* VEB Verlag Technik, 102 Berlin, Oranienburger Strasse 13/14, Germany
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*M.A.N. Research Engineering Manufacturing* Maschinenfabrik Augsburg-Nürnberg Aktiengesellschaft, D 89 Augsburg, Germany
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*Machinery and Production Engineering* Machpress Ltd., 1 Copers Cope Road, Beckenham, Kent BR3 1NB, England
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*Machines and Tooling* [Translation of: *Stanki & Instrum. (USSR)*] Turpin Transactions, The Distribution Centre, Blackhorse Road, Letchworth, Herts. SG6 1HN, England
- Mach. Des. (USA) - (MADEAP)**  
*Machine Design* Penton/IPC Inc., Penton Plaza, Cleveland, OH 44114, USA
- Mach. Lloyd Int. (GB) - (MLINCK)**  
*Machinery Lloyd International* Morgan Publications Ltd., 172-174 Kingston Road, Ewell, Surrey, England
- Macromol. Rev. (USA) - (MCMRAL)**  
*Macromolecular Reviews* John Wiley & Son Inc., 605 Third Avenue, New York, NY 10016, USA
- Mag. Concr. Res. (GB) - (MCOAV)**  
*Magazine of Concrete Research* Cement & Concrete Association, Wexham Springs, Slough SL3 6PL, England
- Magn. Gidrodin. (USSR) - (MAGIAI)**  
*Magnitnaya Gidrodinamika* Akademiya Nauk Latvinskoi SSR, 'Zinatne', ul Smilshu 1, Riga 47, USSR [English translation in: *Magnetohydrodynamics (USA)*]
- Magn. Lett. (GB) - (MALEDY)**  
*Magnetism Letters* Gordon & Breach Science Publishers Ltd., 42 William IV Street, London WC2N 4DE, England
- Magn. Resonance Rev. (GB) - (MRSRBL)**  
*Magnetic Resonance Review* Gordon & Breach Science Publishers Ltd., 42 William IV Street, London WC2N 4DE, England
- Magnetohydrodynamics (USA) - (MGHDAG)**  
*Magnetohydrodynamics* [Translation of: *Magn. Gidrodin. (USSR)*] Consultants Bureau, 227 West 17th Street, New York, NY 10011, USA
- Magy. Fiz. Foly. (Hungary) - (MGFFAC)**  
*Magyar Fizikai Folyoirat* Alkotmany Utca 21 sz., 1363 Budapest 5, Hungary
- Magy. Geofiz. (Hungary) - (MAGFA9)**  
*Magyar Geofizika* Lapkiado Vallalat, 1073 Budapest, Lenin korut 9-11, Hungary
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*Management e Informatica* Franco Angeli Editore, Viale Monza 106, 20127 Milano, Italy
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*Managing Information* 55 Fleet Street, London EC4Y 1LQ, England
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*Managerial Planning* Planning Executives Institute, P.O. Box 70, Oxford, OH 45056, USA
- Manage. Sci. (USA) - (MSCIAM)**  
*Management Science* Institute of Management Sciences, 146 Westminster Street, Providence, RI 02903, USA
- Manage. Serv. (GB) - (MASEDZ)**  
*Management Services* Formerly: *Work Study & Manage. Serv. (GB)* Institute of Management Services, 1 Cecil Court, London Road, Enfield, Middx EN2 6DD, England
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*Management Services in Government* Civil Service Department, Management Services, Whitehall, London SW1A 2AZ, England
- Manage. Z. IO (Switzerland) - (IIOODN)**  
*Management Zeitschrift IO (Industrielle Organization)* Verlag Industrielle Organisation, Zurichbergstrasse 18, CH-8028 Zurich, Switzerland
- Management (Denmark) - (MMNEAN)**  
*Management* Teknisk Forlag A/S Skelbaekgade 4, 1717 Kobenhavn V, Denmark
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*Marine Behaviour and Physiology* Gordon & Breach Science Publishers Ltd., 42 William IV Street, London WC2N 4DE, England
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*Marine Geophysical Researches* D. Reidel Publishing Co., P.O. Box 17, Dordrecht, Netherlands
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*Marine Pollution Bulletin* Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England
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*Marine Technology Society Journal* 1730 M Street N.W., Suite 412, Washington, DC 20036, USA
- Marconi Instrum. (GB) - (MRCIAF)**  
*Marconi Instrumentation* Marconi Instruments Ltd., St. Albans, Herts, England
- Marconi Rev. (GB) - (MARVAA)**  
*Marconi Review* Marconi Co., Marconi Research Laboratories, West Hanningfield Road, Great Baddow, Essex CM2 8HN, England
- Maschinenmarkt (Germany) - (MAMKAK)**  
*Maschinenmarkt* Vogel-Verlag, Postfach 67 40, 8700 Würzburg 1, Germany
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*Der Maschinenschaden* Allianz Versicherungs-AG, Königinstrasse 28, Postfach 24, D-8000 München 44, Germany
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*Mass Spectroscopy* Mass Spectroscopy Society of Japan, c/o Department of Chemistry, Faculty of Liberal Arts and Sciences, University of Osaka Prefecture, Sakai-shi, Osaka, Japan
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*Matematicheskaya Fizika* Izdatel'stvo 'Naukova Dumka', Kiev, Repina 3, USSR
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*Matematikai Lapok* Akademiai Kiado, 1054 Budapest, Alkotmany utca 21, Hungary
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*Materials Engineering* Penton/IPC, 1111 Chester Avenue, Cleveland, OH 44114, USA
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*Materials Evaluation* Society for Nondestructive Testing, 3200 Riverside Drive, Columbus, OH 43221, USA
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*Material Handling Engineering* Penton/IPC Inc., 614 Superior Avenue West, Cleveland, OH 44113, USA
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*Materials Research in AECL* Atomic Energy of Canada Ltd., Chalk River, Ontario, Canada
- Mater. Res. Bull. (USA) - (MRBUAC)**  
*Materials Research Bulletin* Pergamon Press Inc., Maxwell House, Fairview Park, Elmsford, NY 10523, USA
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*Material Science and Engineering* Elsevier Sequoia S.A., P.O. Box 851, 1001-Lausanne 1, Switzerland
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*Materials Science* Wydawnictwo Politechniki Wroclawskiej, Wybreze Wyspiarskiego 27, 50-370 Wroclaw, Poland
- Mater. Semin. Kibern. (USSR) - (MSKBA7)**  
*Materialy Seminara po Kibernetike* Izdatel'stvo 'Shtiintsa', Kishinev, USSR

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*Materials Testing* VDI-Verlag GmbH, Graf-Recke-Strasse 84, Postfach 1139, 4 Dusseldorf 1, Germany
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*Mathematica Balkanica* Beograd, pp 550, Studentski trg 16, Yugoslavia
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*Mathematical Modelling* Pergamon Press Inc., Fairview Park, Elmsford, NY 10523, USA
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*Mathematica Numerica Sinica* Subscription address: Guozhi Shudian, P.O. Box 399, Beijing, People's Republic of China
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*Mathematics of Operations Research* Operations Research Society of America, Business Office, 428 East Preston Street, Baltimore, MD 21202, USA. The Institute of Management Sciences, 146 Westminster Street, Providence, RI 02903
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*Mathematische Operationsforschung und Statistik Series Optimization* Akademie-Verlag, DDR-108 Berlin, Leipziger Strasse 3-4, Germany
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*Mathematische Operationsforschung und Statistik Series Statistics* Akademie-Verlag, DDR-108 Berlin, Leipziger Strasse 3-4, Germany
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*Mathematical Proceedings of the Cambridge Philosophical Society* Cambridge University Press, Bentley House, 200 Euston Road, London, NW1 2DB, England
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*Mathematical Programming Studies* North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands
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*Mathematics Reports Toyama University* Department of Mathematics, Faculty of Science, Toyama University, Gofuku, Toyama 930, Japan
- Math. Slovaca (Czechoslovakia)** – (MASLDM)  
*Mathematica Slovaca* Publishing House VEDA of the Slovak Academy of Sciences, 895 30 Bratislava, Klemensova 19, Czechoslovakia
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*Mathematical Social Sciences* North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands
- Math. Spectrum (GB)** – (MSPEB8)  
*Mathematical Spectrum* Applied Probability Trust. Editorial address: Hicks Building, The University, Sheffield, S3 7RH, England
- Math. Syst. Theory (USA)** – (MASTBA)  
*Mathematical Systems Theory* Springer Verlag New York, 175 Fifth Avenue, New York, NY 10010, USA
- Matrix & Tensor Q. (GB)** – (MATQA5)  
*Matrix and Tensor Quarterly* Tensor Society of Great Britain, The Lyon Playfair Library, Imperial College, London SW7 2AZ, England
- Mausam (India)** – (MAUSDJ)  
*Mausam* Formerly: *Indian J. Meteorol. Hydrol. & Geophys.* India Meteorological Department. Publication address: Controller of Publications, Civil Lines, Delhi-110054, India
- Meas. & Control (GB)** – (MEACBX)  
*Measurement and Control* Institute of Measurement & Control, 20 Peel Street, London, W8 7PD, England
- Meas. & Insp. Technol. (GB)** – (MINTD9)  
*Measurement and Inspection Technology* IPC Industrial Press Ltd., Dorset House, Stamford Street, London SE1 9LU, England
- Meas. Tech. (USA)** – (MSTCAL)  
*Measurement Techniques* [Translation of: *Izmer. Tekh. (USSR)*] Consultants Bureau, 227 West 17th Street, New York, NY 10011, USA
- Meccanica (Italy)** – (MECCB9)  
*Meccanica* Pitagora Editrice, via Zamboni 57, 40126 Bologna, Italy
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*Mechanism and Machine Theory* Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England
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*Mechanizace Automatizace Administrativy* SNTL, 113 02 Praha 1, Spalena 51, Czechoslovakia
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*Mechanics of Composite Materials* Formerly: *Polym. Mech. (USA)* [Translation of: *Mekh. Kompozitnykh Mater. (USSR)*] Consultant Bureau, 227 West 17th Street, New York, NY 10011, USA
- Mech. Eng. (USA)** – (MEENAH)  
*Mechanical Engineering* American Society of Mechanical Engineers, 345 East 47th Street, New York, NY 10017, USA
- Mech. Eng. Bull. (India)** – (MEGBBQ)  
*Mechanical Engineering Bulletin* Central Mechanical Engineering Research Institute, Durgapur 713209, India
- Mech. Res. Commun. (GB)** – (MRCOD2)  
*Mechanics Research Communications* Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England
- Mech. Solids (USA)** – (MESOBN)  
*Mechanics of Solids* [Translation of: *Izv. Akad. Nauk SSSR Mekh. Tverd. Tela*] Allerton Press Inc., 150 Fifth Avenue, New York, NY 10011, USA
- Mech. Teor. & Stosow. (Poland)** – (MTYSAX)  
*Mechanika Teoretyczna i Stosowana* Polska Akademia Nauk, 00-049 Warszawa, Ul. Swietokrzyska 21, Poland
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*Medical & Biological Engineering & Computing* Peter Peregrinus Ltd., P.O. Box 8, Southgate House, Stevenage, Herts. SG1 1HQ, England
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*Medical Informatics - Medecine et Informatique* Taylor & Francis Ltd., 4 John Street, London WC1N 2ET, England
- Med. Instrum. (USA)** – (MLISBY)  
*Medical Instrumentation* Association for the Advancement of Medical Instrumentation, 1901 North Fort Myer Drive, Suite 602, Arlington, VA 22209, USA
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*Medicamundi* Philips Gloeilampenfabrieken, Eindhoven, Netherlands
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*Memoirs of the Astronomical Society of India* Issued with: *Bull. Astron. Soc. India*
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*Memoirs Chubu Institute of Technology* Publications Office, Chubu Institute of Technology, Kasugai, Nagoya-sub, 487, Japan
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*Memoires Scientifiques de la Revue de Metallurgie* Title changed to: *Mem. & Etud. Sci. Rev. Metall. (France)*
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*Metallurgical Transactions A (Physical Metallurgy and Materials Science)* Metallurgical Society of American Institute of Mining, Metallurgical & Petroleum Engineers Inc., P.O. Box 430, 420 Commonwealth Drive, Warrendale, PA 15086, USA
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*Metallography* Elsevier North-Holland Inc., 52 Vanderbilt Avenue, New York, NY 10017, USA
- Metalloved. & Term. Obrab. Met. (USSR)** – (MTOMAX)  
*Metallovedenie i Termicheskaya Obrabotka Metallov* Moskva, GSP-110, Prospekt Mira 106, USSR [English translation in: *Met. Sci. & Heat Treat. (USA)*]
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*Meteorologiya i Gidrologiya* 123376 Moskva, D-376, Bol'shevitskaya Ul., D.13 Komn. 114, USSR [English translation in: *Sov. Meteorol. & Hydrol. (USA)*]
- Meteorol. Ann. (Norway)** – (MEANAV)  
*Meteorologiske Annaler* Norske Meteorologiske Institutt (i samarbeid med Universitetets Institutt for Teoretisk Meteorologi), Norway
- Meteorol. Mag. (GB)** – (MTMGAS)  
*Meteorological Magazine* Director General Meteorological Office, London Road, Bracknell, Berks RG12 2SZ, England
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*Meteorologische Rundschau* Gebr. Borntraeger, D-7000 Stuttgart 1, Johannestrasse 3A, Germany
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*Methods of Information in Medicine* F.K. Schattauer Verlag GmbH, 7 Stuttgart 1, Postfach 2945, Lenzhalde 3, Germany
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*Methods of Operations Research* Formerly: *Oper. Res. Verfahren-Methoden Oper. Res. (Germany)* Verlagsgruppe Athenäum/Hain/Scriptor/Hanstein, Postfach 1220, 6240 Königstein/Ts, Germany
- Metrika (Austria)** – (MTRKA8)  
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*Microprocessors at Work* Elsevier Sequoia S.A., P.O. Box 851, CH-1001 Lausanne 1, Switzerland
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*Microscopica Acta* S. Hirzel Verlag, 7 Stuttgart 1, Birkenwaldstrasse 44, Postfach 347, Germany
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*Mikro- und Kleincomputer* Verlag SCC AG, Seeburgstrasse 12, 6002 Luzern, Switzerland
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*Mikroelektronika* Akademiya Nauk SSSR, Moskva, USSR [English translation in: *Sov. Microelectron. (USA)*]
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*Mikrowellen Magazin* Sprechsaal-Verlag, P.O. Box 401, D-8630 Coburg, Germany
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*Minicomputer News* Title changed to: *Comput. Times (USA)*
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*Minicomputer Review* GML Corp., 594 Marrett Road, Lexington, MA 02173, USA
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*Mitsubishi Electric Advance* Mitsubishi Electric Corp., Mitsubishi Denki Building, Marunouchi, Tokyo 100, Japan
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*Mitsui Technical Review* Title changed to: *Mitsui Zosen Tech. Rev. (Japan)*
- Mitsui Zosen Tech. Rev. (Japan)** – (MIZGAR)  
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*Modern Office & Data Management* Rydge Publications Pty. Ltd., 74 Clarence Street, Sydney, N.S.W. 2001, Australia
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*Modeling, Identification and Control* Royal Norwegian Council for Scientific and Industrial Research, Division of Engineering Cybernetics, NTH, N-7034 Trondheim, Norway
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*Molecular Crystals and Liquid Crystals Letters* Gordon & Breach Science Publishers Ltd. 41 & 42 William IV Street, London, WC2, England
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*Molecular Physics* Taylor & Francis Ltd., 10-14 Macklin Street, London, WC2B 5NF, England
- Mon. Not. R. Astron. Soc. (GB) - (MNRAA4)**  
*Monthly Notices of the Royal Astronomical Society* Burlington House, London, W1V 0NL, England
- Mon. Notes Astron. Soc. South Afr. (S. Africa) - (MASAAK)**  
*Monthly Notes of the Astronomical Society of Southern Africa* South African Astronomical Observatory, P.O. Box 9, Observatory, Cape, South Africa
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*Monthly Technical Review* VEB Verlag Technik, Oranienburger Strasse 13/14, DDR 102 Berlin, Germany
- Monitor (Australia) - (MONIDI)**  
*Monitor* Institution of Radio & Electronics Engineers Australia, Science Centre, 35-43 Clarence Street, Sydney, NSW 2000, Australia
- Monogr. Res. Inst. Appl. Electr. (Japan) - (MSHUAF)**  
*Monograph of the Research Institute of Applied Electricity* Research Institute of Applied Electricity, Hokkaido University, Sapporo 060, Japan
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*Moon and the Planets* D. Reidel Publishing Co., P.O. Box 17, 3300 AA Dordrecht, Netherlands
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*Morskije Gidrofizicheskie Issledovaniya* Akademiya Nauk UkSSR, Morskoi Gidrofizicheskie Institut, Sevastopol, USSR
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*Moscow University Computational Mathematics and Cybernetics* [Translation of: *Vestn. Mosk. Univ. Ser. 15 (USSR)*] Allerton Press Inc., 150 Fifth Avenue, New York, NY 10011, USA
- Moscow Univ. Phys. Bull. (USA) - (MUPBAC)**  
*Moscow University Physics Bulletin* [Translation of: *Vestn. Mosk. Univ. Ser. 3 (USSR)*] Allerton Press Inc., 150 Fifth Avenue, New York, NY 10011, USA
- Mot. Ship (GB) - (MOSHA3)**  
*Motor Ship* IPC Business Press Ltd., Dorset House, Stamford Street, London SE1 9LU, England
- Motorola Tech. Disclosure Bull. (USA)**  
*Motorola Technical Disclosure Bulletin* Schaumburg, IL 60196, USA
- MSN Microwave Syst. News (USA) - (MWSNA9)**  
*MSN Microwave Systems News* EW Communications Inc., 1170 East Meadow Drive, Palo Alto, CA 94303, USA
- MSR (Mess. Steuern Regeln) (Germany) - (MSRGAN)**  
*MSR (Messen Steuern Regeln)* VEB Verlag Technik, DDR 102 Berlin, Oranienburger Strasse 13/14, Germany
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*MT Meerestech. (Marine Technology)* VDI-Verlag, 4 Dusseldorf 1, Graf-Recke-Strasse 84, Postfach 1139, Germany
- Multidisciplinary Res. (USA) - (MRINCS)**  
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*Mundo Electronico* Boixareu Editores, S.A., Gran Via de les Corts Catalanes 594, 2 Barcelona 7, Spain
- N. Z. Energy J. (New Zealand) - (NZEJDU)**  
*New Zealand Energy Journal* (Title changed to: *Energy J. (New Zealand)*)
- N. Z. J. Sci. (New Zealand) - (NZJSAB)**  
*New Zealand Journal of Science* Department of Scientific and Industrial Research, Private Bag, Wellington, New Zealand
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*New Zealand Engineering (Journal of the New Zealand Institution of Engineers)* Technical Publications, 4th Floor, Molesworth House, 101 Molesworth Street, GPO Box 12-241, Wellington, New Zealand
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*Nachrichtentechnische Zeitschrift* VDE-Verlag GmbH, Bismarckstrasse 33, 1000 Berlin 12, Germany
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- Nat. Resour. Forum (Netherlands) - (NRSFAT)**  
*Natural Resources Forum* D. Reidel Publishing Co., P.O. Box 17, 3300 AA Dordrecht, Netherlands
- Natl. Acad. Sci. Lett. (India) - (NASLXD)**  
*National Academy Science Letters* National Academy of Sciences, India, 5-Lajpat Rai Road, Allahabad 21 10 02, India
- Natl. Electron. Rev. (GB) - (NEREBX)**  
*National Electronics Review* National Electronics Council, Abell House, John Islip Street, London, SW1P 4LN, England
- Natl. Tech. Rep. (Japan) - (NTROAV)**  
*National Technical Report* Matsushita Electric Ind. Co. Ltd., Moriguchi, Osaka, Japan
- Nature (GB) - (NATUAS)**  
*Nature* Macmillan Journals Ltd., 4 Little Essex Street, London WC2R 3LF, England
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*Die Naturwissenschaften* Springer-Verlag, Heidelberger Platz 3, D-1000 Berlin 33, Germany
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*Naval Research Logistics Quarterly* Office of Naval Research, Arlington, VA 22217, USA. Subscription address: Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402
- Nav. Res. Rev. (USA) - (NARRA9)**  
*Naval Research Reviews* Department of the Navy, Office of Naval Research, Arlington, VA 22217, USA
- Navigation (France) - (NVGNAL)**  
*Navigation* Institut Francaise de Navigation, 3 avenue Octave-Greard, Paris 7, France
- Navigation (USA) - (NAVIB3)**  
*Navigation. Journal of the Institute of Navigation* Institute of Navigation, Suite 832, 815 15th Street, N.W., Washington, DC 20005, USA
- NDT Int. (GB) - (NDETA5)**  
*NDT International* IPC Science & Technology Press Ltd., P.O. Box 63, Westbury House, Bury Street, Guildford, Surrey GU2 5BH, England
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*NEC Research and Development* Nippon Electric Co. Ltd., 33-1, Shiba 5-chome, Minato-ku, Tokyo 108, Japan
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*Nederlands Tijdschrift voor Natuurkunde A* Formerly: *Ned. Tijdschr. Natuurkd. (Netherlands)* Nederlandse Natuurkundige Vereniging, Princetonplein 5, 3508 TA Utrecht, Netherlands
- NEI Rev. (GB) - (NEIRD7)**  
*NEI Review* Northern Engineering Industries Ltd., Hebburn, Tyne & Wear NE31 1UP, England
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*Network* 121 Derby Road, Canning Circus, Nottingham, England
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*Network. International Communications in Library Automation* Association for Library Automation Research Communications, P.O. Box 27235, Tempe, AZ 85282, USA. Larc Press Ltd., 105-117 West Fourth Avenue, Peoria, IL 61602
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*Networks* John Wiley & Sons Inc., 605 Third Avenue, New York, NY 10158, USA
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*Neue Technik* Verlag Neue Technik, Bahnhofstrasse 848, Postfach 283, CH-9410 Heiden, Switzerland
- Neue Tech. Buero (Germany) - (NTBUB4)**  
*Neue Technik im Büro (Journal of Data Processing and Office Machines)* VEB Verlag Technik, 102 Berlin, Oranienburger Strasse 13-14, Germany
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*New Electronics* Juniper Journals Ltd., 49/50 Hatton Garden, London, EC1N 8XS, England
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*New Physics (Korean Physical Society)* Seoul, Korea
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*New Scientist* New Science Publications, King's Reach Tower, Stamford Street, London SE1 9LS, England
- News Rohde & Schwarz (Germany) - (NROSAR)**  
*News from Rohde and Schwarz* Rohde and Schwarz, Muhlendorfstrasse 15, Postfach 801469, 8000 München 80, Germany
- News. NEA Data Bank (France) - (NNEBD0)**  
*Newsletter of the NEA Data Bank* Nuclear Energy Agency, NEA Data Bank, B.P. No. 9 (Bat. 45), F-91190 Gif sur Yvette, France
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*NHK Laboratories Note* Nippon Hoso Kyokai, 1-10-11 Kinuta, Setagaya-ku, Tokyo, Japan
- NHK Tech. J. (Japan) - (NHKTAT)**  
*NHK Technical Journal* NHK Technical Research Laboratories, Broadcasting Science Research Laboratories, 1-10-11 Kinuta, Setagaya-ku, Tokyo, Japan

- NHK Tech. Monogr. (Japan)** – (NHOKAM)  
*NHK Technical Monograph* Nippon Hoso Kyokai (Japan Broadcasting Corporation), 361 Kinuta-machi, Setagaya-ku, Tokyo, Japan
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*Noise & Vibration Control Worldwide* Formerly: *Noise Control Vib. Isol. (GB)* Trade & Technical Press Ltd., Crown House, Morden, Surrey SM4 5EW, England
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*Noise Control Engineering* Institute of Noise Control Engineering. Editorial address: Ray W. Herrick Laboratories, Purdue University, West Lafayette, IN 47907, USA
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*Noise Control, Vibration Isolation* Title changed to: *Noise & Vib. Control Worldwide (GB)*
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*Nonlinear Analysis Theory, Methods & Applications* Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England
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*Norelco Reporter* Philips Electronic Instruments, 85 McKee Drive, Mahwah, NJ 07430, USA
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*NORMA Technische Informationen* NORMA Messtechnik Gesellschaft m.b.H., A-1111 Wien, Postfach 88, Fickysstrasse 1-11, Austria
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*Note Recensioni e Notizie* Istituto Superiore Poste Telecomunicazioni, Viale Trastevere 189, Roma, Italy
- Notre Dame J. Formal Logic (USA)** – (NDJFAM)  
*Notre Dame Journal of Formal Logic* University of Notre Dame, P.O. Box 5, Notre Dame, IN 46556, USA
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*Nouveau Journal de Chimie* CDR Centrale des Revues, 70 rue de Saint-Mande, B.P. No. 119, 93104 Montreuil Cedex, France
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*NTG-Fachberichte* VDE-Verlag GmbH, 1000 Berlin 12, Bismarckstrasse 33, Germany
- Nucl. Data Sheets (USA)** – (NDTSBA)  
*Nuclear Data Sheets* Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA
- Nucl. Energy (GB)** – (NUEGAH)  
*Nuclear Energy* British Nuclear Energy Society, 1-7 Great George Street, London SW1P 3AA, England
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*Nuclear Engineering and Design* North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands
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*Nuclear Engineer* Formerly: *J. Inst. Nucl. Eng. (GB)* Institution of Nuclear Engineers, 1 Penerley Road, London SE6 2LQ, England
- Nucl. Eng. Int. (GB)** – (NEINBF)  
*Nuclear Engineering International* IPC Electrical-Electronic Press Ltd., Quadrant House, The Quadrant, Sutton, Surrey SM2 5AS, England
- Nucl. Fusion (Austria)** – (NUFUUA)  
*Nuclear Fusion (Fusion Nucleaire - Yadernyi Sintex Fusion Nuclear)* Journal of Plasma Physics and Thermonuclear Fusion International Atomic Energy Agency, Karntnerring 11, P.O. Box 590, A-1011 Wien, Austria
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*Nuclear Fusion Supplement* Issued with: *Nucl. Fusion (Austria)*
- Nucl. Instrum. & Methods (Netherlands)** – (NUIMAL)  
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- Nucl. Instrum. & Methods Phys. Res. (Netherlands)**  
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*Nuclear News* American Nuclear Society, 555 North Kensington Avenue, La Grange Park, IL 60525, USA
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*Nuclear Physics A* North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands
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*Nuclear Physics B* North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands
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*Nuclear Safety* Oak Ridge National Laboratory, P.O. Box Y, Oak Ridge, TN 37830, USA
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*Nuclear Science and Engineering* American Nuclear Society, 555 North Kensington Avenue, La Grange Park, IL 60525, USA
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*Nuclear Science Applications, Section A* Harwood Academic Publishers GmbH, Poststrasse 22, CH-7000 Chur, Switzerland
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*Nuclear Techniques* Subscription address: Guozi Shudian, P.O. Box 399, Beijing, People's Republic of China
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*Nuclear Technology* American Nuclear Society, 555 North Kensington Avenue, La Grange Park, IL 60525, USA
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*Nuclear Technology/Fusion* American Nuclear Society, 555 North Kensington Avenue, La Grange Park, IL 60525, USA
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*Nuclear Tracks, Methods, Instruments and Applications* Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England
- Nucleus (Pakistan)** – (NCLEAM)  
*Nucleus* Pakistan Atomic Energy Commission, P.O. Box 3112, Karachi-29, Pakistan
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*Nukleonika* Polska Akademia Nauk, 00-901 Warszawa, Polac Kultury i Nauki, Poland
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*Numerical Functional Analysis and Optimization* Marcel Dekker Inc., 270 Madison Avenue, New York, NY 10016, USA
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*Numerical Heat Transfer* McGraw-Hill International Book Co., 1221 Avenue of the Americas, New York, NY 10020, USA
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*Numerische Mathematik* Springer-Verlag, 1 Berlin 33, Heidelberger Platz 3, Germany
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*Il Nuovo Cimento. A* Società Italiana di Fisica, viale XII Guigno 1, 40124 Bologna, Italy
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*Il Nuovo Cimento. B* Società Italiana di Fisica, viale XII Guigno 1, 40124 Bologna, Italy
- Nuovo Cimento C (Italy)** – (NIFCAS)  
*Il Nuovo Cimento C* Società Italiana di Fisica, viale XII Guigno 1, 40124 Bologna, Italy
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*Observatory* Royal Greenwich Observatory, Herstmonceux Castle, Hailsham, Sussex BN27 1RP, England
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*Océanologica Acta* Centrale des Revues Dunod-Gauthier-Villars, 70 rue de Saint-Mande, B.P. 119, 93104 Montreuil Cedex, France
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*Ölhydraulik und Pneumatik* Krauskopf-Verlag für Wirtschaft GmbH, Lessingstrasse 12-14, Postfach 2760, 65 Mainz, Germany
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*OEM Design* Mercury House Business Publications, Mercury House, Waterloo Road, London, SE1 8UL, England
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*OEP Office Equipment & Products* Dempa Publications Inc., 11-15, Higashi Gotanda 1-chome, Shinagawa-ku, Tokyo 141, Japan
- Oesterr. Ing.-Z. (Austria)** – (OSIZAN)  
*Oesterreichische Ingenieur-Zeitschrift* Springer-Verlag, Molkerbastei 5, Postfach 367, A-1011 Wien, Austria
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*Ogneupory* Moskva G-34, 2-i, Obl'denskii, rep. 14, USSR [English translation in: *Refractories (USA)*]
- Okeanologiya (USSR)** – (OKNOAR)  
*Okeanologiya* 2 ya Tilografiya Iadatelstvva 'Nauka', Moskva, Shchybiiskii lep. 10, USSR [English translation in: *Oceanology (USA)*]
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*Omega* Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England
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*onComputing* onComputing Inc., 70 Main Street, Peterborough, NH 03458, USA
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*L'Onde Electrique* Masson et Cie, 120 bd. Saint-Germaine, 75280 Paris Cedex 06, France
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*Online* Online Inc., Department 1A, 11 Tannery Lane, Weston, CT 06883, USA
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*Online Review* Learned Information (Europe) Ltd., Woodside, Hinksey Hill, Oxford OX1 5BP, England
- Online-ADL-Nachr. (Germany)** – (OANADK)  
*Online-ADL-Nachrichten* Title changed to: *Online (Germany)*
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*Open* N.V. Uitgeversmaatschappij AE. E. Kluwer, Postbus 23, Deventer, Netherlands
- Oper. Res. (USA)** – (OPREAI)  
*Operations Research* Operations Research Society of America, 428 East Preston Street, Baltimore, MD 21202, USA
- Oper. Res. Verfahren-Methods Oper. Res. (Germany)** – (ORVEAI)  
*Operations Research Verfahren-Methods of Operations Research* Title changed to: *Methods Oper. Res. (Germany)*
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*Operating Systems Review* Association for Computing Machinery, 1133 Avenue of the Americas, New York, NY 10036, USA
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*Opsearch* Operational Research Society of India. Editorial address: Indian Statistical Institute, 7 SJS Sansanwal Marg, New Delhi - 110029, India
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*Optics and Laser Technology* Formerly: *Opt. Technol. (GB)* IPC Science and Technology Press Ltd., IPC House, 32 High Street, Guildford, Surrey GU1 3EW, England
- Opt. & Lasers Eng. (GB)** – (OLENDN)  
*Optics and Lasers in Engineering* Applied Science Publishers Ltd., Ripple Road, Barking, Essex, England
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*Optical and Quantum Electronics* Chapman and Hall, 11 New Fetter Lane, London, EC4P 4EE, England

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- Opt. & Spektrosk. (USSR)** – (OSFMA3)  
*Optika i Spektroskopiya* Akademiya Nauk SSSR, Leninskii Prospekt 14, Moskva, USSR [English translation in: *Opt. & Spectrosc. (USA)*]
- Opt. Acta (GB)** – (OPACAT)  
*Optica Acta* Taylor & Francis Ltd., 4 John Street, London WC1N 2ET, England
- Opt. Appl. (Poland)** – (OPAPBZ)  
*Optica Applicata* Wrocław Technical University Press, 50-370 Wrocław, Wybrzeże Wyspiańskiego 27, Poland
- Opt. Commun. (Netherlands)** – (OPCOB8)  
*Optics Communications* North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands
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*Optical Engineering* Society of Photo-Optical Instrumentation Engineers, P.O. Box 10, 405 Fieldston Road, Bellingham, WA 98225, USA
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*Optics Letters* Published for the Optical Society of America by the American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA
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*Optica Pura y Aplicada* Serrano 121, Madrid 6, Spain
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*Optical Spectra* Optical Publishing Co., Inc., Berkshire Common, P.O. Box 1146, Pittsfield, MA 01201, USA
- Opt.-Mekh. Prom.-st. (USSR)** – (OPMPAQ)  
*Optiko-Mekhanicheskaya Promyshlennost* Vasilov Optical Research Institute, Kaluzhskoye Chaussee 32, Moskva, USSR [English translation in: *Sov. J. Opt. Technol. (USA)*]
- Optik (Germany)** – (OTIKAJ)  
*Optik* Wissenschaftliche Verlagsgesellschaft, D-7000 Stuttgart 1, Postfach 40, Germany
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*Optimal Control Applications & Methods* John Wiley & Sons Ltd., Baffins Lane, Chichester, Sussex PO19 1UD, England
- OR Spektrum (Germany)** – (ORSPD5)  
*OR Spektrum* Springer-Verlag, 3 Heidelberg Platz, D-1000 Berlin 33, Germany
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*Origins of Life* D. Reidel Publishing Co., P.O. Box 17, Dordrecht, Netherlands
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*ORSA/TIMS Bulletin* Operations Research Society of America, 428 East Preston Street, Baltimore, MD 21202, USA
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*Osservazioni e Memorie dell'Osservatorio Astrofisico di Arcetri* Università Degli Studi di Firenze, Firenze, Italy
- Othor & Peredacha Inf. (USSR)** – (OTPIAE)  
*Othor i Peredacha Informatsii* Izdatel'stvo 'Naukova Dumka', Kiev, Repina 3, USSR
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*Output* Fachpresse Goldach Hudson & Co., CH-9403 Goldach, Switzerland
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*Oxidation of Metals* Plenum Publishing Corp., 227 West 17th Street, New York, NY 10011, USA
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*Oyo Buturi* Japan Society of Applied Physics, Room No. 209-2, Kikai-Shinko Building, 3 Shiba-Koen, Minato-ku, Tokyo, Japan
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*Pakistan Journal of Scientific and Industrial Research* Pakistan Council of Scientific and Industrial Research, 39 Garden Road, Karachi 3, Pakistan
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*Pakistan Journal of Science* Pakistan Association for the Advancement of Science, 14 Shah Jamal Scheme, Lahore 12, Pakistan
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*Pakistan Journal of Scientific Research* Pakistan Association for the Advancement of Science, 14 Shah Jamal Scheme, Lahore 12, Pakistan
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*Performance Evaluation Review* Association for Computing Machinery, 1133 Avenue of the Americas, New York, NY 10036, USA
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*Periodica Mathematica Hungarica* Akademiai Kiado, Alkotmany U 21, 1054 Budapest, Hungary
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*Personal Computer World* Sportsence Publishers (PCW) Ltd., 14 Rathbone Place, London W1P 1DE, England
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*Phase Transitions* Gordon and Breach Science Publishers Ltd., 42 William IV Street, London WC2N 4DE, England
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*Philips Journal of Research* Philips Research Laboratories, Building WBP, Room No. 42, Eindhoven, Netherlands
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*Philips Technical Review* Research Laboratories N.V. Philips Gloeilampenfabrieken, Eindhoven, Netherlands
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*Philips Telecommunication Review* Philips' Telecommunicatie Industrie B.V., P.O. Box 82, Hilversum, Netherlands
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*Philosophical Magazine A (Physics of Condensed Matter, Defects and Mechanical Properties)* Taylor & Francis Ltd., 10-14 Macklin Street, London, WC2B 5NF, England
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*Philosophical Magazine B (Physics of Condensed Matter, Electronic, Optical and Magnetic Properties)* Taylor & Francis Ltd., 10-14 Macklin Street, London, WC2B 5NF, England
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*Philosophy of Science* Philosophy of Science Association, 18 Morrill Hall, Department of Philosophy, Michigan State University, East Lansing, MI 48823, USA
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*Philosophical Transactions of the Royal Society of London A (Mathematical and Physical Sciences)* 6 Carlton House Terrace, London SW1Y 5AG, England
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*Photobiochemistry and Photobiophysics* Elsevier/North-Holland Biomedical Press, P.O. Box 211, 1000 AE Amsterdam, Netherlands
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*Photographic Science and Engineering* Society of Photographic Scientists and Engineers, Suite 204, 1330 Massachusetts Avenue N.W., Washington, DC 20005, USA
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*Photogrammetric Engineering and Remote Sensing* American Society of Photogrammetry, 105 North Virginia Avenue, Falls Church, VA 22046, USA
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*Physics and Chemistry of the Earth* Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England
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*Physics and Chemistry of Glasses (Section B of the Journal of the Society of Glass Technology)* Society of Glass Technology, Thornton, Hallam Gate Road, Sheffield, S10 5BT, England
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*Physics and Chemistry of Liquids* Gordon & Breach Science Publishers Ltd., 41 and 42 William IV Street, London WC2, England
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*Physics and Chemistry of Minerals* Springer-Verlag, D-1000 Berlin 33, Heidelberg Platz 3, Germany
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*Physikalische Blätter* Physik-Verlag GmbH, D-6940 Weinheim/Bergstrasse, Pappelallee 3, PB 1260-80, Germany
- Phys. Bull. (GB)** – (PHSBB4)  
*Physics Bulletin* Institute of Physics, 47 Belgrave Square, London SW1X 8QX, England
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*Physik Daten (Physics Data)* Fachinformationszentrum Energie Physik Mathematik GmbH Karlsruhe, 7514 Eggenstein-Leopoldshafen 2, Germany
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*Physica Energiae Fortis et Physica Nuclearis* Science Press, Peking, People's Republic of China. Subscription address: Guozo Shudian, P.P. Box 399, Peking
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*Physics in Medicine and Biology* Institute of Physics, 47 Belgrave Square, London SW1X 8QX, England
- Phys. Met. & Metallogr. (GB)** – (PHMMA6)  
*Physics of Metals and Metallography* [Translation of: *Fiz. Met. & Metalloved. (USSR)*] Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England
- Phys. Rep. (Netherlands)** – (PRPLCM)  
*Physics Reports* North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands
- Phys. Rev. A (USA)** – (PLRAAN)  
*Physical Review A (General Physics)* Published for the American Physical Society by the American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA
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*Physical Review Letters* Published for the American Physical Society by the American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA
- Phys. Scr. (Sweden)** – (PHSTBO)  
*Physica Scripta* Royal Swedish Academy of Sciences, S-104 05 Stockholm 50, Sweden
- Phys. Status Solidi A (Germany)** – (PSSABA)  
*Physica Status Solidi A* Akademie-Verlag, DDR 108 Berlin, Leipziger Strasse 3-4, Germany

- Phys. Status Solidi b (Germany)** – (PSSBBD)  
*Physica Status Solidi b* Akademie-Verlag, DDR 108 Berlin, Leipzigerstrasse 3-4, Germany
- Phys. Teach. (USA)** – (PHTEAH)  
*Physics Teacher* American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA
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*Physics in Technology* Institute of Physics, 47 Belgrave Square, London SW1X 8QX, England
- Phys. Today (USA)** – (PHTOAD)  
*Physics Today* American Institute of Physics, 335 East 45th Street, New York, NY 10017, USA
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*Physica A* North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands
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*Physica B & C* North-Holland Publishing Co., P.O.Box 211, 1000 AE Amsterdam, Netherlands
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*Physica D* North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands
- Physiol. Chem. & Phys. (USA)** – (PLCHB4)  
*Physiological Chemistry and Physics* Pacific Press Inc., G.P.O. Box 2044, New York, NY 10001, USA
- Pis'ma v Astron. Zh. (USSR)** – (PAZHDA)  
*Pis'ma v Astronomicheskoe Zhurnal* Agent: Mezhdunarodnaya Kniga, Moskva, USSR [English translation in: *Sov. Astron. Lett. (USA)*]
- Pis'ma v Zh. Eksp. & Teor. Fiz. (USSR)** – (PZETAB)  
*Pis'ma v Zhurnal Eksperimental'noi i Teoreticheskoi Fiziki* Formerly: *Zh. Eksp. & Teor. Fiz. Pis'ma v Red. (USSR)* Akademiya Nauk SSSR, Leninskii Prospekt 14, Moskva, USSR [English translation in: *JETP Lett. (USA)*]
- Pis'ma v Zh. Tekh. Fiz. (USSR)** – (PZTFDD)  
*Pis'ma v Zhurnal Tekhnicheskoi Fiziki* Izdatel'stvo 'Nauka', Leningrad, USSR [English translation in: *Sov. Tech. Phys. Lett. (USA)*]
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*Pixel. Computer Graphics, CAD/CAM, Image Processing* Editrice Il Rostro s.a.s., Via Monte Generoso 6/A, 20155 Milano, Italy
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*Planetary and Space Science* Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England
- Planseeber. Pulvermetall. (Austria)** – (PLPUA5)  
*Planseeberichte fur Pulvermetallurgie* Postfach 74, 6600 Reutte, Austria
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*Plant Engineer* Institution of Plant Engineers, 138 Buckingham Palace Road, London, SW1W 9SG, England. Batiste Publication Ltd., Drummond House, 203-209 Gower Street, London, NW1
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*Plasma Physics* Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England
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*Plastics and Rubber International* Plastics and Rubber Institute, 11 Hobart Place, London SW1W 0HL, England
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*Plaste und Kautschuk* VEB Deutscher Verlag fur Grundstoffindustrie, 7031 Leipzig, Karl-Heine-Strasse 27, Germany
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*Podstawy Sterowania* Zaklad Systemow Automatyki Kompleksowej PAN, Gliwice, ul. Zwyciestwa 21, Poland
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*Polish Machine Industry Offers* AGPOL-EXPORTPRESS, 00-008 Warszawa, Marszalowska 124, Poland
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*Polish Technical Review* 00-950 Warszawa, Czackiego 3/5, P.O.B. 1004, Poland
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- Polym. Bull. (Germany)** – (POBUDR)  
*Polymer Bulletin* Springer-Verlag, Heidelberger Platz 3, D-1000 Berlin 33, Germany
- Polym. Eng. & Sci. (USA)** – (PYESAZ)  
*Polymer Engineering and Science* Society of Plastics Engineers Inc., 14 Fairfield Drive, Brookfield Center, CT 06805, USA
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*Polymer Mechanics* Title changed to: *Mech. Compos. Mater. (USA)*
- Polym. News (GB)** – (PLYNBU)  
*Polymer News* Gordon & Breach Science Publishers Ltd., 41 and 42 William IV Street, London, WC2, England
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*Polymer Science U.S.S.R.* [Translation of: *Vysokomol. Soedin. Ser. A (USSR)*] Pergamon Press Ltd., Headington Hill Hall, Oxford, OX3 0BW, England
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*Polyscope, Automatik und Elektronik* Verlag Binkert AG, 4335 Laufenburg, Postfach 32, Switzerland
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*Polytechnisch Tijdschrift Bouwkunde Wegen-en Waterbouw* Stam Tijdschriften BV, Treubstraat 35, Postbus 235, AE Rijswijk, Netherlands
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*Polytechnisch Tijdschrift Elektrotechniek Elektronica* Stam Tijdschriften B.V., Oranjestraat 8, Postbus 375, 2501 BG Den Haag, Netherlands
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*Polytechnisch Tijdschrift Procestechiek* Stam Tijdschriften BV, Oranjestraat 8, Postbus 375, 2502 BG Den Haag, Netherlands
- Polytech. Tijdschr. Werktuigbouw (Netherlands)** – (PTWTAP)  
*Polytechnisch Tijdschrift Werktuigbouw* Stam Tijdschriften B.V., Postbus 375, Oranjestraat 8, Den Haag, Netherlands
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*Pomiary Automatyka Kontrola* Wydawnictwa Czasopism Technicznych NOT, ul. Czackiego 3/5, Warszawa 1, Poland
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*Popular Computing* Box 272, Calabasas, CA 91302, USA
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*Poroshkovaya Metallurgiya* Izdatel'stvo 'Naukova Dumka', Kiev, Repina 3, USSR [English translation in: *Sov. Powder Metall. & Met. Ceram. (USA)*]
- Port. Phys. (Portugal)** – (POPYA4)  
*Portugaliae Physica* Sociedade Portuguesa de Fisica, Avenida de Republica, 37-40, 1000 Lisboa, Portugal
- Post Off. Electr. Eng. J. (GB)** – (POEJA6)  
*Post Office Electrical Engineers' Journal* GPO, 2-12 Gresham Street, London, EC2V 7AG, England
- Post Off. Telecommun. J. (GB)** – (PTLJA8)  
*Post Office Telecommunications Journal* Title changed to: *Br. Telecom J. (GB)*
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*Postepy Astronomii* Export-Import Enterprise "Ruch", ul. Wilcza 46, P.O. Box 154, Warszawa, Poland
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*Postepy Fizyki* Polskie Towarzystwo Fizyczne, 00-681 Warszawa, ul. Hoza 69, Poland
- Powder Metall. (GB)** – (PWMTAU)  
*Powder Metallurgy* Metals Society, 1 Carlton House Terrace, London, SW1Y 5DB, England
- Powder Metall. Int. (Germany)** – (PWMIBW)  
*Powder Metallurgy International* Verlag Schmidt GmbH, D-78 Freiburg, P.O. Box 1722, Germany
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*Powder Technology* Elsevier Sequoia S.A., P.O. Box 851 1001 Lausanne 1, Switzerland
- Power (USA)** – (POWEAD)  
*Power* McGraw-Hill Inc., 1221 Avenue of the Americas, New York, NY 10020, USA
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*Power Engineering - Academy of Sciences of the USSR* [Translation of: *Izv. Akad. Nauk SSSR Energ. & Transp.*] Allerton Press Inc., 150 Fifth Avenue, New York, NY 10011, USA
- Power Eng. (USA)** – (POENAI)  
*Power Engineering* Technical Publishing Co., 1301 South Grove Avenue, Barrington, IL 60010, USA
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*PowerConversion International* Intertec Communications Inc., 2909 Ocean Drive, Oxnard, CA 93030, USA
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*Prace Instytutu Elektrotechniki* Instytut Elektrotechniki, ul. Pozaryskiego 28, Warszawa-Miedzylesie, Poland
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*Prace Naukowe Instytutu Fizyki Politechniki Wrocławskiej, Seria: Monografie* Wydawnictwo Politechniki Wrocławskiej, Wybrzeze Wyspińskiego 27, 50-370 Wrocław, Poland
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*Prace Ośrodka Badawczo-Rozwojowego Elektroniki Prozniowej* Editorial address: 00-241 Warszawa, ul. Długa 44/50, Poland
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*Prace Przemysłowego Instytutu Telekomunikacji* Editorial address: Skrytka Poczтовая Nr. 7, ul. Poligonowa 30, Warszawa 26, Poland
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*Practical Computing* IPC Electrical-Electronic Press Ltd., Dorset House, Stamford Street, London SE1 9LU, England
- Pract. Electron. (GB)** – (PRELBY)  
*Practical Electronics* IPC Magazines Ltd., Oakfield House, Perrymount Road, Haywards Heath, West Sussex RH16 3DH, England
- Pract. Wireless (GB)** – (PRWIBD)  
*Practical Wireless* IPC Magazines Ltd., Fleetway House, Farringdon Street, London, EC4A 4AD, England
- Prague Bull. Math. Linguist. (Czechoslovakia)** – (PBMLAT)  
*Prague Bulletin of Mathematical Linguistics* Algebraic Linguistics, Faculty of Mathematics and Physics, Charles University, Malostranské 25, 118 00 Prague 1, Czechoslovakia. Editorial address: Laboratory of Algebraic Linguistics, Praha 1, Malostranské nam. 25
- Prakt. Metallogr. (Germany)** – (PMTLA5)  
*Praktische Metallographie (Practical Metallography)* Dr. Riederer-Verlag GmbH, d-7000 Stuttgart 1, Johannesstrasse 60, Postfach 447, Germany

**Pramana (India)** – (PRAMCI)  
*Pramana* Indian Academy of Sciences, Bangalore 560006, India

**Prib. & Sist. Upr. (USSR)** – (PRSUBT)  
*Pribory i Sistemy Upravleniya* Moscow. IGSP-110, Prospekt Mira 106, Komn. 5, USSR

**Prib. & Tekh. Eksp. (USSR)** – (PRTEAJ)  
*Pribory i Tekhnika Eksperimenta* Agent: Mezhdunarodnaya Kniga Moskva, USSR [English translation in: *Instrum. & Exp. Tech. (USA)*]

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*Price Waterhouse Review* Price Waterhouse & Co., 1251 Avenue of the Americas, New York, NY 10020, USA

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*Prikladnaya Geofizika* Izdatel'sto 'Nedra', Moskva, K-12, Tret'yakovskii Proezd 1/19, USSR

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*Prikladnaya Matematika i Mekhanika* Akademiya Nauk SSSR, Leninskii Pros. 14, Moskva. Agent: Mezhdunarodnaya Kniga, Moskva, USSR [English translation in: *Appl. Math. & Mech. (USA)*]

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*Prikladnaya Matematika i Programirovanie* Izdatel'stvo 'Shtiintsa', Kishinev, USSR

**Prinkl. Mekh. (USSR)** – (PKMKAL)  
*Prikladnaya Mekhanika* Izdatel'stvo 'Naukova Dumka', Kiev, Repina 3, USSR [English translation in: *Sov. Appl. Mech. (USA)*]

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*Printout* Title changed to: *Microcomput. Printout (GB)*

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*Priroda* Izdatel'stvo 'Nauka', Moskva G-99, Shubinskii Per. 10, USSR

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*Problemy Bioniki* Izdatel'stvo 'Naukova Dumka', Kiev, Repina 3, USSR

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*Problems of Control and Information Theory* Akademiai Kiado, Budapest 1363, P.O. Box 24, Hungary

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*Probleme de Informare si Documentare* Institutul Central de Documentare Tehnica, Bucuresti, Str. Cosmonautilor nr. 27-29, Sectorul 1, Romania

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*Problemy Kibernetiki* Izdatel'stvo 'Nauka', Moskva, v-71, Leninskii Prospekt 15, USSR

**Probl. Peredachi Inf. (USSR)** – (PPDIA5)  
*Problemy Peredachi Informatsii* Moskva. E-24, Aviamotoriga 8, Korp. 2, USSR [English translation in: *Probl. Inf. Transm. (USA)*]

**Probl. Prochn. (USSR)** – (PPCNBG)  
*Problemy Prochnosti* Editorial address: Academy of Sciences of the Ukrainian SSR, Kiev, USSR [English translation in: *Strength Mater. (USA)*]

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*Problemy Tekhnicheskoi Elektrodinamiki* Title changed to: *Tekh. Elektrodin. (USSR)*

**Probl. Tekh. Kibernet. (Bulgaria)** – (PTKID3)  
*Problemy na Tekhnicheskata Kibernetika* Institute of Engineering Cybernetics, 1113 Sofia, Acad. G. Bonchev Street, Bl. IV, Bulgaria

**Proc. (Tr.) P.N. Lebedev Phys. Inst. (USA)**  
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*Proceedings of the Astronomical Society of Australia* University Grounds, Sydney, N.S.W., Australia

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*Proceedings of the British Ceramic Society* Shelton House, Stoke-on-Trent, England

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*Proceedings of the Cosmic-Ray Research Laboratory of Nagoya University* Cosmic Ray Research Laboratory and Department of Physics, Nagoya University, Chikusa-ku, Nagoya, Japan

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*Proceedings of the Egyptian Academy of Sciences* 'Dar el Hikma', 42 Qasr el Aini Street, Cairo, Egypt

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*Proceedings of the IEEE* Institute of Electrical and Electronics Engineers, 345 East 47th Street, New York, NY 10017, USA

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*Proceedings of the Indian Academy of Sciences, Chemical Sciences* Bangalore 560 080, India

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**Proc. Indian Acad. Sci. Math. Sci.** – (PIAMDO)  
*Proceedings of the Indian Academy of Sciences, Mathematical Sciences* Bangalore 560 080, India

**Proc. Indian Acad. Sci. Sect. A** – (PISAA7)  
*Proceedings of the Indian Academy of Sciences Section A* Bangalore 560006, India. Journal split into three sections: *Proc. Indian Acad. Sci. Chem. Sci.*, *Proc. Indian Acad. Sci. Math. Sci.*, and *Proc. Indian Acad. Sci. Earth & Planet. Sci.*

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*Proceedings of the Indian Academy of Sciences, Section C: Engineering Sciences* Title changed to: *Proc. Indian Acad. Sci. Eng. Sci.*

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*Proceedings of the Indian Association for Cultivation of Sciences* Issued with: *Indian J. Phys.*

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*Proceedings of the Indian National Science Academy, Part A* Bahadur Shah Zafar Marg, New Delhi 110 002, India

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*Proceedings of the Institution of Electrical Engineers* Institution of Electrical Engineers, Savoy Place, London, WC2R 0BL, England. Changed title to IEE Proc. (GB)

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*Proceedings of the Institution of Mechanical Engineers* 1 Birdcage Walk, London SW1H 9JJ, England

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*Proceedings of the Institution of Railway Signal Engineers* Room 534, British Transport Commission, 222 Marylebone Road, London, NW1, England

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*Proceedings of the Iowa Academy of Science* University of Northern Iowa, Cedar Falls, IA 50613, USA

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*Proceedings of the IREE Australia* Institution of Radio and Electronics Engineers Australia, Science Centre, 35-43 Clarence Street, Sydney, N.S.W. 2000, Australia. Merged with *Trans. Inst. Eng. Aust. Electr. Eng. (Australia)* to form *J. Electr. & Electron. Eng. Aust. (Australia)*

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*Proceedings of the Japan Academy, Series A, Mathematical Sciences* Ueno Park, Tokyo 110, Japan

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*Proceedings, Koninklijke Nederlandse Akademie van Wetenschappen. Series B (Physical Sciences)* North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands

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*Proceedings of the Leeds Philosophical and Literary Society* The University, Leeds, England

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*Proceedings of the National Academy of Sciences of India. Section A (Physical Sciences)* 5 Lajpatrai Road, Allahabad-2, India

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*Proceedings of the National Academy of Sciences of the United States of America* 2101 Constitution Avenue, Washington, DC 20418, USA

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*Proceedings of the Royal Institution of Great Britain* 21 Albemarle Street, London W1, England

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*Proceedings of the Royal Irish Academy, Section A (Mathematical, Astronomical and Physical Science)* 19 Dawson Street, Dublin 2, Ireland

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*Proceedings of the Royal Society of Edinburgh, Section A (Mathematical and Physical Sciences)* 22 George Street, Edinburgh EH2 2PQ, Scotland

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*Proceedings of the Royal Society of London. Series A (Mathematical and Physical Sciences)* 6 Carlton House Terrace, London SW1Y 5AG, England

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*Proceedings of the Royal Society of Victoria* Royal Society's Hall, 9 Victoria Street, Melbourne, 3000 Victoria, Australia

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*Proceedings of the Radio Club of America* Radio Club of America Inc., Fred Shunaman, 933 East Seventh Street, Plainfield, NJ 07062, USA

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*Proceedings of the Research Institute of Atmospheric Sciences Nagoya University* Nagoya University, 13 Honohara, 3 Chrome, Toyokawa 442, Japan

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*Proceedings of the S.I.D. Society for Information Display*, 654 North Sepulveda Boulevard, Los Angeles, CA90049, USA

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*Proceedings of the Society of Photo-Optical Instrumentation Engineers* 405 Fieldston Road, Bellingham, WA 98225, USA

**Proc. Univ. Newcastle-upon-Tyne Philos. Soc. (GB)** – (PUNSAI)  
*Proceedings of the University of Newcastle-upon-Tyne Philosophical Society* Newcastle-upon-Tyne, England

**Process Autom. (Germany)** – (PPAUDT)  
*Process Automation* R. Oldenbourg Verlag GmbH, Rosenheimer Strasse 145, D-8000 Munchen 80, Germany

**Process Eng. (GB)** – (PSEGAP)  
*Process Engineering* Morgan Grampian Process Press Ltd., 30 Calderwood Street, London SE18 6QH, England

**Process Eng. (Germany)** – (PROEDV)  
*Process Engineering* Spechsaal-Verlag, Mauer 2, 8630 Coburg, Germany

**Prod. Eng. (USA)** – (PENGDA)  
*Production Engineering* Penton/IPC Inc., Penton Plaza, 1111 Chester Avenue, Cleveland, OH 44144, USA

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*Progress in Aerospace Sciences* Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

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*Progress in Nuclear Energy* Formerly: *Prog. Nucl. Energy New Ser. (GB)* Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

**Prog. Nucl. Energy New Ser. (GB)** – (PNENDE)  
*Progress in Nuclear Energy, New Series* Title changed to: *Prog. Nucl. Energy (GB)*

**Prog. Nucl. Magn. Resonance Spectrosc. (GB)** – (PNMRAT)  
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*Progress of Theoretical Physics* Research Institute for Fundamental Physics and the Physical Society of Japan. Publication office: Yukawa Hall, Kyoto University, 606 Kyoto, Japan
- Prog. Theor. Phys. Suppl. (Japan)** - (PTPSAL)  
*Supplement of the Progress of Theoretical Physics* Research Institute for Fundamental Physics and the Physical Society of Japan. Publication Office: Yukawa Hall, Kyoto University, 606 Kyoto, Japan
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*Program* Aslib, 3 Belgrave Square, London SW1X 8PL, England
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*Programming and Computer Software* [Translation of: *Programmirovaniye (USSR)*] Consultants Bureau, 227 West 17th Street, New York, NY 10011, USA
- Program. Learn. & Educ. Technol. (GB)** - (PLETAF)  
*Programmed Learning and Educational Technology* Kogan Page Ltd., Builder House, 4 Catherine Street, London WC2B 4JN, England
- Programmirovaniye (USSR)** - (PROGD3)  
*Programmirovaniye* Izdatel'stvo 'Nauka', Moskva, USSR [English translation in: *Program. & Comput. Software (USA)*]
- Prom. Energ. (USSR)** - (PREGAI)  
*Promyshlennaya Energetika* Editorial address: 103012 Moskva, B. Cherkasskii per. 2/10, USSR
- Prosthet. & Orthotics Int. (Denmark)** - (POIND7)  
*Prosthetics and Orthotics International* International Society for Prosthetics and Orthotics (ISPO), P.O. Box 42, DK-2900 Hellerup, Denmark
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*Przegląd Elektrotechniczny* Czackiego 3/5, 00-043, Warszawa, Poland
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*PTT-Bedrijf* Direction Centrale des PTT, 12 Kortenaerkade, Den Haag, Netherlands
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*Publications of the Astronomical Society of Japan* Tokyo Astronomical Observatory, Mitaka, Tokyo, Japan
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*Publications of the Astronomical Society of the Pacific* Astronomical Society of the Pacific, 1290 24th Avenue, San Francisco, CA 94122, USA
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*Publications of the Dominion Astrophysical Observatory*, Victoria, British Columbia Dominion Astrophysical Observatory, Victoria, B.C. Canada
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*Publications of the Earth Physics Branch Department of Energy, Mines and Resources* 1 Observatory Crescent, Ottawa K1A 0Y3, Canada
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*Publikacije Elektrotehničkog Fakulteta Serija : Elektronika, Telekomunikacije, Automatika* Odsjek za Elektroniku, Elektrotehnički Fakultet, 11001 Beograd, Postanski fah 816, Yugoslavia
- Publ. Elektrotech. Fak. Ser. Mat. & Fiz. (Yugoslavia)** - (PEUBAQ)  
*Publikacije Elektrotehničkog Fakulteta. Serija Matematika i Fizika* Katedra Matematike, Elektrotehnički Fakultet, 11001 Beograd, Postanski fah 816, Yugoslavia
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*Publications, Institut Royal Meteorologique de Belgique. Serie A, format in 4* 3 Avenue Circulaire, Uccle-Bruxelles 1180, Belgium
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*Publications, Institut Royal Meteorologique de Belgique. Serie B, format in 8* 3 Avenue Circulaire, Uccle-Bruxelles 1180, Belgium
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*Publications of the Royal Observatory Edinburgh* Edinburgh EH9 3HJ, Scotland
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*Public Lighting* Association of Public Lighting Engineers, Buckingham Court, 78 Buckingham Gate, London, SW1E 6PF, England
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*Pulp & Paper Canada* National Business Publications Ltd., 310 Victoria Avenue, Westmount, PQ. H3Z 2M9, Canada
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*Pure and Applied Chemistry* Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England
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*Pure and Applied Geophysics* Birkhauser Verlag, CH-4010 Basel, Elisabethenstrasse 19, Switzerland
- Q. Appl. Math. (USA)** - (QAMAAY)  
*Quarterly of Applied Mathematics* American Mathematical Society, P.O. Box 1571, Providence, RI 02901, USA
- Q. Bull. Int. Assoc. Agric. Libr. & Doc. (Netherlands)** - (QBALAE)  
*Quarterly Bulletin of the International Association of Agricultural Librarians and Documentalists* Editorial address: "de Hulle", Hullerpad 14, Lunteren, Netherlands
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*Quarterly of the Colorado School of Mines* Golden, CO 80401, USA
- Q. J. Mech. & Appl. Math. (GB)** - (QJMMAV)  
*Quarterly Journal of Mechanics and Applied Mathematics* Oxford University Press, Ely House, London, W1, England
- Q. J. R. Astron. Soc. (GB)** - (QJRAAK)  
*Quarterly Journal of the Royal Astronomical Society* Burlington House, London, W1V 0NL, England
- Q. J. R. Meteorol. Soc. (GB)** - (QJRMAM)  
*Quarterly Journal of the Royal Meteorological Society* Cromwell House, High Street, Bracknell, Berks, England
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*Quarterly Journal of Seismology* Japan Meteorological Agency, Otemachi, Chiyoda-ku, Tokyo, Japan
- Q. Rep. Railw. Tech. Res. Inst. (Japan)** - (QRTIA8)  
*Quarterly Report of the Railway Technical Research Institute* Railway Technical Institute, JNR, Kunitachi, P.O. Box 9, Tokyo, Japan
- Quaest. Inf. (S. Africa)** - (QUIFD2)  
*Questiones Informaticae* Systems Publishers (Pty) Ltd., Box 31720, Braamfontein, Transvaal, South Africa
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*Qualität und Zuverlässigkeit* Carl Hanser Verlag, D-8000 München 80, Kolbergerstrasse 22, Germany
- Qual. Assur. (GB)** - (QUASDZ)  
*Quality Assurance* Institute of Quality Assurance, 54 Princes Gate, Exhibition Road, London, SW7 2PG, England
- Qual. Prog. (USA)** - (QUPRB3)  
*Quality Progress* American Society for Quality Control, 161 West Wisconsin Avenue, Milwaukee, WI 53203, USA
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*Qualite Revue Pratique de Controle Industriel* Editions Ampere, 46 Rue Ampere, 75017 Paris, France
- Quaternary Res. (USA)** - (QRESAV)  
*Quaternary Research* Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA
- R & D Manage. (GB)** - (RDMAAW)  
*R & D Management* Basil Blackwell Publications, 108 Cowley Road, Oxford, OX4 1JF, England
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*Royal Greenwich Observatory Bulletins* Herstmonceux Castle, Hailsham, East Sussex BN27 1RP, England
- R. Obs. Ann. (GB)** - (ANRODJ)  
*Royal Observatory Annals* Royal Greenwich Observatory, Herstmonceux Castle, Hailsham, Sussex BN27 1RP, England
- Radiat. & Environ. Biophys. (Germany)** - (REBPAT)  
*Radiation and Environmental Biophysics* Springer-Verlag, D-1000 Berlin 33, Heidelberger Platz 3, Germany
- Radiat. Eff. (GB)** - (RAEFBL)  
*Radiation Effects* Gordon & Breach Science Publishers Ltd., 41 and 42 William IV Street, London, WC2, England
- Radiat. Eff. Lett. (GB)** - (RAEFBL)  
*Radiation Effects Letters* Gordon & Breach Science Publishers Ltd., 42 William IV Street, London, WC2N 4DE, England
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*Radiation Physics and Chemistry* Formerly: *Int. J. Radiat. Phys. & Chem. (GB)* Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England
- Radiat. Prot. (Korea)**  
*Radiation Protection* Korean Association for Radiation Protection, Seoul, Korea
- Radiat. Res. (USA)** - (RAREAE)  
*Radiation Research* Radiation Research Society, Academic Press Inc., 111 Fifth Avenue, New York, NY 10003, USA
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*Radio & Electronics Constructor* Data Publications Ltd., 57 Maida Vale, London, W9 1SN, England
- Radio & Electron. Eng. (GB)** - (RDEEA4)  
*Radio and Electronic Engineer* Institution of Electronic and Radio Engineers, 8-9 Bedford Square, London, WC1B 3RG, England
- Radio & Electron. World (GB)**  
*Radio & Electronics World* Broadcasting Ltd., 117a High Street, Brentwood, Essex, England
- Radio Commun. (GB)** - (RADCB7)  
*Radio Communication* Radio Society of Great Britain, 35 Doughty Street, London, WC1N 2AE, England
- Radio Elektron. (Netherlands)** - (RADEDF)  
*Radio Elektronica* Title changed to: *Elektronica (Netherlands)*
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*Radio Engineering and Electronic Physics* [Translation of: *Radiotekh. & Elektron. (USSR)*] Scripta Publishing Corp., 1511 K Street N.W., Washington, DC 20005, USA
- Radio Fernsehen Elektron. (Germany)** - (RFELB6)  
*Radio Fernsehen Elektronik* VEB Verlag Technik, Oranienburgerstrasse 13/14, 102 Berlin Postfach 293, Germany
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*Radio Mentor Electronic* Formerly: *Radio Mentor (Germany)* Verlag Neuer Merkur GmbH, Ingolstädter Strasse 63a, Postfach 46 08 05, D-8000 München 46, Germany. Merged with Mess. & Prüf. (Germany)
- Radio Sci. (USA)** - (RASCAD)  
*Radio Science* American Geophysical Union, 1909 K Street, N.W., Washington, DC 20006, USA
- Radio Telev. (Czechoslovakia)** - (RDTLAW)  
*Radio Television* Administrative Council of the International Radio & Television Organisation (OIRT), 151 13 Prague 5, U Mrazovky 15, Czechoslovakia
- Radio-Electron. (USA)** - (RAECAB)  
*Radio-Electronics* 200 Park Avenue South, New York, NY 10003, USA
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*Radio-TV-Electronic* Title changed to: *RTE (Switzerland)*
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*Radioactive Waste Management* Harwood Academic Publishers GmbH, Poststrasse 22, CH-7000 Chur, Switzerland
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*Radiobiologiya* Editorial address: 103717 GSP, K-62 Moskva, Podosenskii Pereulok nom 21, Komm. 30, USSR
- Radiochem. & Radioanal. Lett. (Switzerland)** - (RRALAZ)  
*Radiochemical and Radioanalytical Letters* Elsevier Sequoia S.A., P.O. Box 851, CH-1001 Lausanne, Switzerland. Akademiai Kiado, Alkotmany U 21, Budapest 5, Hungary
- Radioelectron. & Commun. Syst. (USA)** - (RCSYDS)  
*Radioelectronics and Communication Systems* [Translation of: *Izv. VUZ Radioelektron. (USSR)*] Allerton Press Inc., 150 Fifth Avenue, New York, NY 10011, USA
- Radioind. Elettron. - Telev. (Italy)** - (RELTDQ)  
*Radioindustria Elettronica - Televisione* Franco Angeli Editore, Viale Monza 106, 20127 Milano, Italy
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*Radioisotopes* Japan Radioisotope Association, 2-28-45, Honkomagome, Bunkyo-ku, Tokyo 113, Japan

- Radiol. Prot. Bull. (GB)** - (RDPBAG)  
*Radiological Protection Bulletin* National Radiological Protection Board, Harwell, Didcot, Berks, England
- Radiology (USA)** - (RADLAX)  
*Radiology* Radiological Society of North America Inc., 20th and Northampton Streets, Easton, PA 18042, USA
- Radiophys. & Quantum Electron. (USA)** - (RPQEAC)  
*Radiophysics and Quantum Electronics* [Translation of: *Izv. VUZ Radiofiz. (USSR)*] Consultants Bureau, 227 West 17th Street, New York, NY 10011, USA
- Radiotekhnika (Hungary)** - (RATKA8)  
*Radiotekhnika* Zrinvi Katonai Kiado, Budapest VIII, Kerespesi ut 29/b, Hungary
- Radiotekh. & Elektron. (USSR)** - (RAELA4)  
*Radiotekhnika i Elektronika* Editorial address: 103907 Moskva TSP-3, Pr. Karl Marx 18, USSR [English translation in: *Radio Eng. & Electron. Phys. (USA)*]
- Radiotekhnika, Kharkov (USSR)** - (RTKHAJ)  
*Radiotekhnika* Izdatel'stvo "Visha Shkola", Kharkov Gosudarstvennom Universitete, 310003 Khar'kov, USSR
- Radiotekhnika, Moskva (USSR)** - (RATEAO)  
*Radiotekhnika* Editorial Address: 103031 Moskva K31, Kuznetskii Most D 20, USSR [English translation in: *Telecommun. & Radio Eng. Part 2 (USA)*]
- Rail Int. (Belgium)** - (RAIIAF)  
*Rail International* International Railway Congress Association, Rue de France 85, B-1070 Bruxelles, Belgium
- Railw. Age (USA)** - (RAAGA3)  
*Railway Age* Simmons-Boardman Publishing Corp., 508 Birch Street, Bristol, CT 06010, USA
- Railw. Eng. Int. (GB)** - (REINDR)  
*Railway Engineer International* Mechanical Engineering Publications Ltd., 1 Birdcage Walk, London SW1H 9JJ, England
- Railw. Gaz. Int. (GB)** - (RWGIAN)  
*Railway Gazette International* IPC Transport Press Ltd., Dorset House, Stamford Street, London, SE1 9LU, England
- Railways (S. Africa)** - (RAILDR)  
*Railways* Thomson Publications SA (Pty.) Ltd., P.O. Box 8308, Johannesburg 2000, South Africa
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*RAIRO Analyse Numerique/Numerical Analysis* Centrale des Revues Dunod/Gauthier-Villars, B.P. 119, 93104 Montreuil Cedex, France
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*RAIRO Automatique/Systems Analysis and Control* Centrale des Revues Dunod/Gauthier-Villars B.P. 119, 93104 Montreuil Cedex, France
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*RAIRO Informatique Theoretique/Theoretical Computer Science* Title changed to: *RAIRO Inf. Theor./Theor. Inf. (France)*
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*Range* Philips' Telecommunicatie Industrie BV, Hilversum, Netherlands
- RCA Broadcast News (USA)** - (RCABB3)  
*RCA Broadcast News* RCA Communications Systems Division, Princeton, NJ 08540, USA
- RCA Rev. (USA)** - (RCARCI)  
*RCA Review* Radio Corporation of America, RCA Laboratories Division, Princeton, NJ 08540, USA
- RCA Tech. Not. (USA)** - (RCTNAV)  
*RCA Technical Notes* Radio Corporation of America, Princeton, NJ 08540, USA
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*Record of Electrical and Communication Engineering Conversazione Tohoku University* Tohoku University, Research Institute of Electrical Communication, Sendai, Japan
- Rech. Aerosp. (France)** - (REARAU)  
*Recherche Aerospatiale* Office National d'Etudes et de Recherches Aeronautiques, 29 Avenue de la Division Leclerc, 92320-Chatillon, France
- Rechentechn. Datenverarb. (Germany)** - (RTDVAQ)  
*Rechentechnik Datenverarbeitung* Verlag der Wirtschaft Berlin, 1055 Berlin, Am Friedrichshain 22, Germany
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*Recherche* Societe d'Editions Scientifiques, 57 rue de Seine, 75006 Paris, France
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*Recreational Computing* People's Computer Co., 1263 El Camino Real, Box E, Menlo Park, CA 94025, USA
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*Refractories* [Translation of: *Ogneupory (USSR)*] Consultants Bureau, 227 West 17th Street, New York, NY 10011, USA
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*Refrigeration* Japanese Association of Refrigeration, 8 San'ei-cho, Shinjuku-ku, Tokyo 160, Japan
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*Regelungstechnische Praxis* R. Oldenbourg, Rosenheimer Strasse 145, 8 München 80, Germany
- Regelungstechnik (Germany)** - (RLSTA5)  
*Regelungstechnik* Formerly: *Regelungstech. & Prozess-Datenverarb. (Germany)* R. Oldenbourg, Rosenheimer Strasse 145, 8 München 80, Germany
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*Reliability Engineering* Applied Science Publishers Ltd., Ripple Road, Barking, Essex, England
- Remote Sensing Environ. (USA)** - (RSEEA7)  
*Remote Sensing of Environment* American Elsevier Publishing Co., 52 Vanderbilt Avenue, New York, NY 10017, USA
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*Istituto Lombardo. Rendiconti A. Scienze* Accademia di Scienze e Lettere, Palazzo Brera, Via Brera 28, Milano, Italy
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*Reports of the Institute of High Speed Mechanics, Tohoku University (A section of: Science Reports of the Research Institute, Tohoku University, Series B (Technology))* Sendai, Japan
- Rep. Inst. Ind. Sci. Univ. Tokyo (Japan)** - (RIISAX)  
*Report of the Institute of Industrial Science, University of Tokyo* 22-1 Roppongi, 7-chome, Minato-ku, Tokyo 106, Japan
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*Reports of the Institute of Physical and Chemical Research* Rikagaku Kenkyushu, Wako-shi, Saitama 351, Japan
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*Reports on Mathematical Physics* Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England. Subscription address: ARS Polona-Ruch Foreign Trade Enterprise, Krakowskie Przedmiescie 7, 00-068 Warszawa
- Rep. NRL Prog. (USA)** - (RNRLAO)  
*Report of NRL Progress* National Technical Information Service, U.S. Department of Commerce, Springfield, VA 22151, USA
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*Reports on Progress in Physics* Institute of Physics, 47 Belgrave Square, London, SW1X 8QX, England
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*Reports of the Research Institute of Industrial Science, Kyushu University* Fukuoka, Kyushu, Japan
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*Reports of the University of Electro-Communications* University of Electro-Communications, 1-5-1 Chofugaoka, Chofu-shi, Tokyo, Japan
- Reprogr. Q. (GB)** - (RPGQAW)  
*Reprographics Quarterly* National Reprographic Centre, Hatfield Polytechnic, Bayfordbury, Lower Hatfield Road, Hertford, Herts. SG13 8LD, England
- Res Mech. (GB)** - (RESMD6)  
*Res Mechanica* Applied Science Publishers Ltd., Ripple Road, Barking, Essex, England
- Res Mech. Lett. (GB)**  
*Res Mechanica Letters* Applied Science Publishers Ltd., Ripple Road, Barking, Essex, England
- Res. Bull. Reg. Eng. Coll. Warangal (India)** - (WREBAC)  
*Research Bulletin, Regional Engineering College, Warangal* Warangal (AP) Kazipet (PO), India
- Res. Disclosure (GB)** - (RSDSBB)  
*Research Disclosure* Industrial Opportunities Ltd., 13/14 Homewell, Havant, Hants. PO9 1EF, England
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*Researches of the Electrotechnical Laboratory* 1-1-4, Umezono, Sakura-mura, Niihari-gun, Ibaraki, Japan
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*Research Reports of the Faculty of Engineering, Meiji University* Meiji, Japan
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*Research Reports, Institute of Information Science & Technology, Tokyo Denki University* Tokyo, Japan
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*Research Reports of Tokyo Denki University* Tokyo, Japan
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*Resources and Energy* North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands
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*Revista de la Academia de Ciencias Zaragoza* Academia de Ciencias Exactas, Fisico-Quimicas y Naturales de Zaragoza, Plaza de Paraiso 1, Zaragoza, Spain
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*Rheologica Acta* Dr. Steinkopf Verlag, 6100 Darmstadt, Postfach 1008, Germany
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*Rock Mechanics (Felsmechanik-Mecanique des Roches)* Springer-Verlag, Molkerbastei 5, P.O. Box 367, A-1011 Wien, Austria
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*Röntgenpraxis* S. Hirzel Verlag, 7 Stuttgart 1, Birkenwaldstrasse 44, Postfach 347, Germany
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*RTE* Formerly: *Radio-TV-Electron. (Switzerland)* Edenstrasse 20, Postfach, CH-8021 Zurich, Switzerland
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*Rundfunktechnische Mitteilungen* Institut für Rundfunktechnik, Mittelweg 113, Hamburg 13, Germany
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*Russian Engineering Journal* [Translation of: *Vestn. Mashinost. (USSR)*] Production Engineering Research Association, Melton Mowbray, Leics, England. Merged with *Mach. & Tool. (GB)* to form *Sov. Eng. Res. (GB)*
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*South African Mechanical Engineer* South African Institute of Mechanical Engineers, P.O.Box 61019, Marshalltown 2107, South Africa
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*Saeko Electricity in Finland* Title changed to: *Saehkoe Electr. & Electron. (Finland)*
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*Saeko Electricity and Electronics* Formerly: *Saehkoe (Finland)* Pohjoinen Rautatiekatu 17 A 1, 00100 Helsinki 10, Finland
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*Satellite Communications* Cardiff Publishing Co., 3900 South Wadsworth Boulevard, Denver, CO 80235, USA
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*Scandinavian Audiology Supplementum* Issued with: *Scand. Audiol. (Sweden)*
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*Scandinavian Journal of Statistics Theory and Applications* Almqvist & Wiksell Periodical Co., P.O. Box 62, S-101 20 Stockholm 1, Sweden
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*Scanner* Journal of Decca Radar Ltd., Decca House, Albert Embankment, London, SE1, England
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*Scanning* Verlag Gerhard Witzstrock GmbH, P.O. Box 509, D-7570 Baden-Baden, Germany
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*Scanning Electron Microscopy* P.O. Box 66507, AMF O'Hare, IL 60666, USA
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*Schweizerische Technische Zeitschrift* Schweizerischer Technischer Verband, Weinbergstrasse 41, 8023 Zurich, Switzerland
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*Sci-Tech News* Anita Friedman, Xerox Corporation, Technical Library A3-25, 701 S. Aviation Blvd., El Segundo, CA 90245, USA
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*Science and Culture* Indian Science News Association, 92 Acharya Prafullachandra Road, Calcutta 9, India
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*Science and Engineering Reports of Saitama University, Series C* Urawa-City, Saitama-ken, Japan
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*Science and Engineering Review of Doshisha University* Science and Engineering Research Institute of Doshisha University, Kyoto, Japan
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*Science and Technology* Research Publications Pty. Ltd., 418 Canterbury Road, Surrey Hills, 3127 Victoria, Australia
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*Scientia Atmospherica Sinica* Science Press, Peking. Subscription address: Guozi Shudian, P.O. Box 399, Peking, People's Republic of China
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*Science Dimension* National Research Council of Canada, Ottawa K1A 0R6, Canada
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*Scientia Electrica* Institut für Höhere Elektrotechnik, Eidgenössische Technische Hochschule, Gloriastr. 35, 8006-Zürich, Switzerland
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*Science Reports of Kanazawa University* Faculty of Science, Kanazawa University, Kanazawa, Japan
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*Scientia Sinica* Science Press, Peking. Subscription address: Guozi Shudian, P.O. Box 399, Peking, China
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*Sea Technology* Compass Publications Inc., Suite 1000, 1117 North 19th Street, Arlington, VA 22209, USA
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*Seismology and Geology* Seismological Press. Subscription address: Guozi Shudian, P.O. Box 399, Beijing, People's Republic of China
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*Seismological Series of the Earth Physics Branch* Department of Energy, Mines and Resources, Ottawa, Canada
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*SHD Storage-Handling-Distribution* Turret Press Ltd., 886 High Road, Finchley, London N12 9SB, England
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*Shimadzu Review* Shimadzu Seisakusho Ltd., Kawaramachi Nijo, Nakagyo-ku, Kyoto, Japan
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*SIAM Journal of Algebraic and Discrete Methods* SIAM Publications, 1405 Architects Building, 117 South 17th Street, Philadelphia, PA 19103, USA
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*Siemens Review* Siemens-Aktiengesellschaft, Postfach 3240, 8520 Erlangen 2, Germany
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*Siemens-Albis Berichte* Siemens-Albis Aktiengesellschaft, Albisriedenstrasse 245, 8047 Zurich, Switzerland
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*SIGACT News* Association for Computing Machinery, 1133 Avenue of the Americas, New York, NY 10036, USA
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*SIGART Newsletter* Association for Computing Machinery, 1133 Avenue of the Americas, New York, NY 10036, USA
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*Signal und Draht* Dr. Arthur Tetzlaff-Verlag, 6000 Frankfurt (Main) 1, Niddastrasse 64, Germany
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*Signal und Schiene* 108 Berlin, Französische Strasse 13/14, Germany
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*Silikaty* Academia, Publishing House of the Czechoslovak Academy of Sciences, Vodickova 40, 112 29 Praha 1, Czechoslovakia
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*Simulation* Simulation Councils Inc., P.O. Box 2228, La Jolla, CA 92037, USA
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*SIN Newsletter* Schweizerisches Institut für Nuklearforschung, 5234 Villigen, Switzerland
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*Sistemi e Automazione* Editrice E.S.T.E., Edizioni Scientifiche Tecniche Europee S.p.A., 20127 Milano, Via S.A. Sauli 3, Italy
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*Sitzungsberichte. Österreichische Akademie der Wissenschaften. Mathematisch-Naturwissenschaftliche Klasse. Abteilung II (Mathematik, Astronomie, Physik, Meteorologie und Technik)* Dr. Ignaz-Seipel-Platz 2, A-1010 Wien. Publication address: Springer-Verlag, A-1011-Wien, Molkerbastei 5, Postfach 367, Austria
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*Slaboproudy Obzor* SNTL, 11302 Praha 1, Spalena ul. 51, Czechoslovakia
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*Small Systems World* Small Systems World Publishing Inc., 53 West Jackson Boulevard, Chicago, IL 60604, USA
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*SMPT E Journal* Formerly: *J. Soc. Motion Pict. & Telev. Eng. (USA)* Society of Motion Picture and Television Engineers, 868 Scarsdale Avenue, Scarsdale, NY 10583, USA
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*Software World* A.P. Publications Ltd., 322 St. John Street, London, EC1V 4QH, England
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*Software - Practice and Experience* John Wiley & Sons Ltd., Baffins Lane, Chichester, Sussex PO19 1UD, England
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*Space Science Reviews* D. Reidel Publishing Co., P.O. Box 17, Dordrecht, Netherlands

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*Space Solar Power Review* Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England

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*Sprache und Datenverarbeitung* Max Niemeyer Verlag, D-7400 Tübingen, Postfach 2140, Germany

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*Sprecher News* Sprecher & Schuh AG, Redaktion Neues von Sprecher, CH-5000 Zurich, Switzerland

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*SRBE-KBVE (Societe Royale Belge des Electriciens-Koninklijke Belgische Vereniging der Electrotechnici)* Place du Trone 1, B-1000 Bruxelles, Belgium

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*Stanki i Instrument* Mashinostroenie, ul. 25 Otktyabrya, d. 10, Moskva, K-12, USSR. Translation of selected articles appear in Sov. Eng. Res. (GB)

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*Strompraxis* Verlags- und Wirtschaftsgesellschaft der Elektrizitätswerke mbH-VWEW, 6000 Frankfurt (Main) 70, Stresemannallee 23, Germany

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*Sulzer Technical Review* Sulzer Brothers Ltd., Winterthur, Switzerland

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*Sumitomo Electric Technical Review* Sumitomo Electric Industries Ltd., 15 Kitahama 5-chome, Higashi-ku, Osaka 541, Japan

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*Surface Science Reports* North-Holland Publishing Co., P.O.Box 211, 1000 AE Amsterdam, Netherlands

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*Surface Technology* Elsevier Sequoia S.A., P.O. Box 851, CH-1001 Lausanne 1, Switzerland

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*Svarchozne Proizvodstvo* Mashinostroenie, Moskva, I-110 GSP, Nroset Mura, d. 106, USSR [English translation in: *Weld. Prod. (GB)*]

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*Systems International* IPC Electrical-Electronic Press Ltd., Dorset House, Stamford Street, London SE1 9LU, England

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*System-Computers-Controls* Scripta Publishing Corp., 1511 K Street, N.W., Washington, DC 20005, USA. English translation of selected articles from Trans. Inst. Electron. & Commun. Eng. A, B, C, D (Japan) and other primary Japanese periodicals
- Systems (S. Africa)** – (SYSMBJ)  
*Systems (Stelsels)* Title changed to: *Syst. Inf. Manage. (S. Africa)*
- Szavimtel & Ugyviteltech. (Hungary)** – (SZUGDK)  
*Szavimtel es Ugyviteltechnika* Lapkiado Vallalat, 1073 Budapest, Lenin korut 9-11, Hungary
- Szigma (Hungary)** – (SMKED9)  
*Szigma* Akademiai Kiado, 1363 Budapest V, Alkotmany u. 21, Hungary
- Szko & Ceram. (Poland)** – (SZKCAN)  
*Szko i Ceramika* Warszawa 1, Mokotowska 4/6, pok 40, Poland
- T.-I.-T. J. Life Sci. (USA)** – (TJLSA9)  
*T.-I.-T. Journal of Life Sciences* T.-I.-T. Institute, P.O. Box 4563, Philadelphia, PA 19131, USA
- Takenaka Tech. Res. Rep. (Japan)** – (TGKHA1)  
*Takenaka Technical Research Report* Takenaka Komuten Co. Ltd., 27 4-chome, Hommachi, Higashi-ku, Osaka, Japan
- Talanta (GB)** – (TLNTA2)  
*Talanta* Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 OBW, England
- Tanulmanyok Magy. Tud. Akad. Szamitastech. & Autom. Kut. Intez. (Hungary)** – (TMTID9)  
*Tanulmanyok Magyar Tudomanyos Akademia Szamitastechnikai es Automatizalasi Kutato Intezet* Magyar Tudomanyos Akademia, Akademia u. 2, P.O. Box 7, 1054 Budapest V, Hungary
- TE Int. (Italy)** – (TEITDX)  
*TE International* Issued with: *Tecnol. Elettr. (Italy)*
- Tec. Ital. (Italy)** – (TITIAL)  
*Tecnica Italiana* Via Matteotti 55, 34071 Cormons (Gorizia), Italy
- Tec. Regul. & Mando Autom. (Spain)** – (TRAUBH)  
*Tecnica de la Regulacion y Mando Automatico* Title changed to: *Regul. & Mando Autom. (Spain)*
- Tech. CEM (France)** – (TQCEB6)  
*Techniques CEM* Cie Electro-Mecanique, 37 rue du Rocher, Paris 8, France
- Tech. Chron. (Greece)** – (TECHAW)  
*Technika Chronika* Technical Chamber of Greece, Kolokotron Street, Athens, Greece
- Tech. Dig. (USA)** – (TCHDAV)  
*Technical Digest* Western Electric Co., 555 Union Boulevard, Allentown, PA 18103, USA. Western Electric Co., Patent Organisation, Department 400, 555 Union Boulevard, Allentown, PA 18103
- Tech. Inf. GRW (Germany)** – (TIGRB9)  
*Technische Information GRW* VEB Geräte und Regler Werke, 153 Teltow, bei Berlin, Ruhlsdorfer Strasse 23, Germany
- Tech. Knih. (Czechoslovakia)** – (TEKNA M)  
*Technicka Knihovna* Editorial address: 113 57 Praha 1, Konviktska 5, Czechoslovakia
- Tech. Mess. tm (Germany)** – (TMAMDS)  
*Technisches Messen tm* R. Oldenbourg Verlag GmbH, Rosenheimer Strasse 145, 8000 München 80, Germany
- Tech. Mitt. AEG-Telefunken (Germany)** – (TMATBD)  
*Technische Mitteilungen AEG-Telefunken* Allgemeine Elektrizitäts Gesellschaft, Hohenzollerndamm 150, 1 Berlin 33, Germany
- Tech. Mitt. Krupp Forschungsber. (Germany)** – (TMKFAK)  
*Technische Mitteilungen Krupp Forschungsberichte* Fachbucherei Krupp, Postfach 917, 43 Essen 1, Germany
- Tech. Mitt. Krupp Werksber. (Germany)** – (TMKWA3)  
*Technische Mitteilungen Krupp. Werksberichte* Friedr. Krupp GmbH, 43 Essen, Postfach 917, Germany
- Tech. Mitt. PTT (Switzerland)** – (TMPTAJ)  
*Technische Mitteilungen PTT* [Bulletin Technique PTT, Bollettino Tecnico PTT] Generaldirektion PTT, Viktoriastrasse 21, 3000 Bern 33, Switzerland
- Tech. Mitt. RFZ (Germany)** – (TMRFAL)  
*Technische Mitteilungen des Rundfunk-und Fernstechnischen Zentralamtes* Agastrasse, Berlin-Aldershof, Germany
- Tech. Mod. (France)** – (TEMDA2)  
*La Technique Moderne* 7 Rue Cesar-Franck, 75015 Paris, France
- Tech. Radia & Telew. (Poland)** – (TRTLAG)  
*Technika Radia i Telewizji* Wydawca - Wydawnictwa Radia i Telewizji, 02-724 Warszawa, ul. Chelmska 9/11, Poland
- Tech. Rep. Inst. At. Energy Kyoto Univ. (Japan)** – (TRAEB3)  
*Technical Reports of the Institute of Atomic Energy, Kyoto University* Formerly: *Tech. Rep. Eng. Res. Inst. Kyoto Univ. (Japan)* Kyoto, Japan
- Tech. Res. Cent. Finland Electr. & Nucl. Technol. Publ.** – (ENCTAY)  
*Technical Research Centre of Finland Electrical and Nuclear Technology Publication* 00180 Helsinki 18, Lonnrotinkatu 37, Finland
- Tech. Res. Cent. Finland Mater. & Process Technol. Publ.** – (TFMPBC)  
*Technical Research Centre of Finland Materials and Process Technology Publication* 00180 Helsinki 18, Lonnrotinkatu 37, Finland
- Tech. Rundsch. (Switzerland)** – (TCRUAU)  
*Technische Rundschau* Hallwag Verlag, Nordring 4, 3001 Bern, Switzerland
- Technica (Switzerland)** – (TCHNAR)  
*Technica* E. Birkhauser, CH-4010 Basel 10, Switzerland
- Technik (Germany)** – (TEBEAI)  
*Technik* VEB Verlag Technik, Oranienburgerstrasse 13/14, 102 Berlin, Germany
- Technion (Israel)** – (TCNNAN)  
*Technion* Israel Institute of Technology, Technion City, Haifa, Israel
- Technol. Forecast. & Soc. Change (USA)** – (TFSCB3)  
*Technological Forecasting and Social Change* Elsevier North Holland Inc., 52 Vanderbilt Avenue, New York, NY 10017, USA
- Technol. News (GB)** – (TCNEDX)  
*Technological News* Normalair-Garrett Ltd., Yeovil, Somerset BA20 2YD, England
- Technol. Rep. Iwate Univ. (Japan)** – (TIWUAT)  
*Technology Reports of the Iwate University* Faculty of Engineering, Morioka, Japan
- Technol. Rep. Kansai Univ. (Japan)** – (TRKUAW)  
*Technology Reports of Kansai University* Faculty of Engineering, Kansai University, Senriyama, Suita-City, Osaka, Japan
- Technol. Rep. Kyushu Univ. (Japan)** – (KDKSAX)  
*Technology Reports of the Kyushu University* Faculty of Engineering, Fukuoka, Japan
- Technol. Rep. Osaka Univ. (Japan)** – (TROUAI)  
*Technology Reports of the Osaka University* Faculty of Engineering, Osaka University, Yamada-Kami, Suita, Osaka 565, Japan
- Technol. Rep. Seikei Univ. (Japan)** – (SKKGAW)  
*Technology Reports of the Seikei University* College of Technology, Seikei University, Musashino-Shi, Tokyo, Japan, Japan
- Technol. Rep. Tohoku Univ. (Japan)** – (TRTUA9)  
*Technology Reports of the Tohoku University* Sendai, Japan
- Tecnica (Portugal)** – (TECLAA)  
*Tecnica* Associacao dos Estudantes do Instituto Superior Tecnico, Av. Rovisco Pais, Lisboa-1, Portugal
- Tecnol. Elettr. (Italy)** – (TEELDN)  
*Tecnologie Elettriche* Interspazio Pubblicita S.r.l., Centro Commerciale Milano, San Felice, 20090 Segrate (Milano), Italy
- Tectonophysics (Netherlands)** – (TCTOAM)  
*Tectonophysics* Elsevier Scientific Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands
- Tegnikon (S. Africa)** – (TEGNA2)  
*Tegnikon* Die Suid-Afrikaanse Akademie vir Wetenskap en Kuns, Engelenburghuis, Hamiltonstraat, Postbus 538, Pretoria, South Africa
- Teh. Fiz. (Yugoslavia)** – (TEFIDJ)  
*Tehnicka Fizika* [Journal of Engineering Physics] Universitet u Beograd, Zavod za Fiziku Tehnickih Fakulteta, Rizveltova 1a, 11000 Beograd, Yugoslavia
- Tehnika (Yugoslavia)** – (TEHBA5)  
*Tehnika* Beograd, Kneza Milosa 7/11., Yugoslavia
- Tek. Ukebl. (Norway)** – (TUGEAJ)  
*Teknisk Ukeblad* Ingeniorforlaget A/S, Ingeniorennes Hus, Kronprinsens Gt, 17, Boks 2476, Solli, Oslo 2, Norway
- Tekh. Elektrodin. (USSR)** – (TEKEDW)  
*Tekhnicheskaya Elektrodinamika* Formerly: *Probl. Tekh. Elektrodin. (USSR)* Izdatel'stvo 'Nauka Dumka', 252601 Kiev GSP, Ul. Repina 3, USSR
- Tekh. Kibern. (USSR)** – (TEKIB8)  
*Tekhnicheskaya Kibernetika* Akademiya Nauk SSSR, Leninskii Prospekt 14, Moskva, USSR [English translation in: *Eng. Cybern. (USA)*]
- Tekh. Kino & Telev. (USSR)** – (TKTEAE)  
*Tekhnika Kino i Televideniya* Leningradskii Prospekt 47, Moskva A-167, USSR
- Tekh. Misul (Bulgaria)** – (TKMSBM)  
*Tekhnicheska Misul* Bulgarska Akademija na Naukite, Kv. Geo Milev, Ul. 36, BAN, IV Blok, Sofiya, Bulgaria
- Tekscope (USA)** – (TEKSC5)  
*Tekscope* Tektronix Inc., P.O. Box 500, Beaverton, OR 97005, USA
- Telcom Rep. (Germany)** – (TELRD8)  
*Telcom Report* Siemens Aktiengesellschaft, Machtlfinger Strasse 10, Postfach 70 00 79, D-8000 München 70, Germany
- Tele (Swed. Ed.) (Sweden)** – (TELEBZ)  
*Tele (Swedish Edition)* Marbackagatan 11, 123 86 Farsta, Sweden
- Telecommun. & Radio Eng. Part 1 (USA)** – (TCREAG)  
*Telecommunications and Radio Engineering Part 1: Telecommunications* [Translation of: *Elektrosvyaz (USSR)*] Scripta Publishing Co., 1511 K Street, N.W., Washington, DC 20005, USA
- Telecommun. & Radio Eng. Part 2 (USA)** – (TCREAG)  
*Telecommunications and Radio Engineering, Part 2: Radio Engineering* [Translation of: *Radiotekhnika, Moskva (USSR)*] Scripta Publishing Co., 1511 K Street, N.W., Washington, DC 20005, USA
- Telecommun. J. (Engl. Ed.) (Switzerland)** – (TCJOA6)  
*Telecommunication Journal (English Edition)* International Telecommunications Union, Place des Nations, 1211 Geneve 20, Switzerland
- Telecommun. J. Aust. (Australia)** – (TCJAAW)  
*Telecommunication Journal of Australia* Telecommunication Society of Australia, Box 4050, GPO Melbourne, 3001, Victoria, Australia
- Telecommun. Policy (GB)** – (TEPODJ)  
*Telecommunications Policy* IPC Science and Technology Press Ltd., P.O. Box 63, Westbury House, Bury Street, Guildford GU2 5BH, Surrey, England
- Telecommunications (India)** – (TCMSAX)  
*Telecommunications* Telecommunication Training Centre Building, Ridge Road, Jabalpur 6 (MP), India
- Telecommunications (USA)** – (TLCOAY)  
*Telecommunications* 610 Washington Street, Dedham, MA 02026, USA
- Telecomunicazioni (Italy)** – (TLCZAX)  
*Telecomunicazioni* Societa Italiana Telecomunicazioni Siemens s.p.a., 20149 Milano, Piazzale Zavattari 12, Italy
- Telekomunikacije (Yugoslavia)** – (TLKMAJ)  
*Telekomunikacije* Zajednica JPPT, Beograd, Palmotice va 2, Yugoslavia
- Teletronnikk (Norway)** – (TKTKAW)  
*Teletronnikk* Telegrafstyrets Bibliotek, Kongensgt. 21, Oslo, Norway
- Teleph. Eng. & Manage. (USA)** – (TPEMAW)  
*Telephone Engineer and Management* Harcourt Brace Jovanovich Publications, 124 South First Street, Geneva, IL 60134, USA
- Telephony (USA)** – (TLPNAS)  
*Telephony* Telephony Publishing Corp., 55 East Jackson Boulevard, Chicago, IL 60604, USA
- Telesis (Canada)** – (TLSSAO)  
*Telesis* Bell-Northern Research, P.O. Box 3511, Station 'C', Ottawa, Ontario K1Y 4H7, Canada
- Teleteknik (Engl. Ed.) (Denmark)** – (TLKKAS)  
*Teleteknik (English Edition)* 16 Kannikegade, DK 8000 Aarhus C, Denmark
- Telettra Rev. (Italy)** – (TREVD8)  
*Telettra Review* Telettra S.p.A., Via trento 30, Vimercate, Milano, Italy
- Television (GB)** – (TVSCAC)  
*Television* IPC Magazines Ltd., Lavington House, Lavington Street, London SE1 0PF, England

- Television (J. R. Telev. Soc.) (GB)** - (TELED3)  
*Television (Journal of the Royal Television Society)* Formerly: *R. Telev. Soc. J. (GB)* Tavistock House East, Tavistock Square, London, WC1H 9HR, England
- Tellus (Sweden)** - (TELLAL)  
*Tellus Svenska Geofysiska Foreningen, Arrhenius Laboratoriet, S-106 91 Stockholm, Sweden*
- Telonde (France)** - (TLNDAM)  
*Telonde Thomson-CSF, BP 2000, 78-Versailles, France*
- Teor. & Eksp. Khim. (USSR)** - (TEKHA4)  
*Teoreticheskaya i Eksperimental'naya Khimiya Mezhdunarodnaya Kniga, Moskva, USSR [English translation in: *Theor. & Exp. Chem. (USA)*]*
- Teor. & Mat. Fiz. (USSR)** - (TMFZAL)  
*Teoreticheskaya i Matematicheskaya Fizika* Editorial address: Department of Theoretical Physics, Institute of Mathematics, Academy of Sciences of the USSR, Moscow, USSR [English translation in: *Theor. & Math. Phys. (USA)*]
- Teor. Veroyatn. & Primen. (USSR)** - (TVPRA8)  
*Teoriya Veroyatnostei i ee Primeneniya Mezhdunarodnaya Kniga, Moskva, USSR [English translation in: *Theory Probab. & Appl. (USA)*]*
- Teplotoenergetika (USSR)** - (TPOA5)  
*Teplotoenergetika Krasnokasarmennaya ul., d. 14, Moskva, E-250, USSR [English translations of selected articles in: *Therm. Eng. (GB)*]*
- Teplotfiz. & Teplotekh. (USSR)** - (TFTTAO)  
*Teplotfizika i Teplotekhnika Izdatel'stvo 'Naukova Dumka', Kiev, Repina 3, USSR*
- Teplotfiz. Vys. Temp. (USSR)** - (TVYTPA)  
*Teplotfizika Vysokikh Temperatur Akademiya Nauk SSSR, 17 Korpus 2, Moskva E-250, USSR [English translation in: *High Temp. (USA)*]*
- TESLA Electron. (Czechoslovakia)** - (TNPTAQ)  
*TESLA Electronics TESLA Electronics and Telecommunications, Karlovo nam. 7, Praha 2, Czechoslovakia*
- Test (GB)** - (TESTDF)  
*Test Network, Printers Mews, Market Hill, Buckingham MK18 1JX, England*
- Texas J. Sci. (USA)** - (TJSCAU)  
*Texas Journal of Science The Talley Press, San Angelo, Texas, USA*
- Texture Cryst. Solids (GB)** - (TCSODK)  
*Texture of Crystalline Solids Gordon and Breach Science Publishers Ltd., 41 and 42 William IV Street, London WC2, England*
- THEOCHEM (Netherlands)** - (THEODJ)  
*THEOCHEM Elsevier Scientific Publishing Co., P.O.Box 330, 1000 AH Amsterdam, Netherlands*
- Theor. & Exp. Chem. (USA)** - (TEXCAK)  
*Theoretical and Experimental Chemistry [Translation of: *Teor. & Eksp. Khim. (USSR)*] Consultants Bureau, 227 West 17th Street, New York, NY 10011, USA*
- Theor. & Math. Phys. (USA)** - (TMPHAH)  
*Theoretical and Mathematical Physics [Translation of: *Teor. & Mat. Fiz. (USSR)*] Consultants Bureau, 227 West 17th Street, New York, NY 10011, USA*
- Theor. Chim. Acta (Germany)** - (TCHAM)  
*Theoretica Chimica Acta Springer-Verlag, D-1000 Berlin 33, Heidelberger Platz 3, Germany*
- Theor. Comput. Sci. (Netherlands)** - (TCSCDI)  
*Theoretical Computer Science North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands*
- Theory Probab. & Appl. (USA)** - (TPRBAU)  
*Theory of Probability and its Applications [Translation of: *Teor. Veroyatn. & Primen. (USSR)*] Society for Industrial and Applied Mathematics, 33 South 17th Street, Philadelphia, PA 19103, USA*
- Therm. Eng. (GB)** - (THENAD)  
*Thermal Engineering [Translation of: *Teplotoenergetika (USSR)*] British Library Lending Division, Boston Spa, Wetherby, West Yorks. LS23 7BQ, England. Distribution Centre, Blackhorse Road, Letchworth, Herts. SG6 1HN*
- Thin Solid Films (Switzerland)** - (THSFAP)  
*Thin Solid Films Elsevier Sequoia, P.O. Box 851, 1001 Lausanne 1, Switzerland*
- Tidskr. Dok. (Sweden)** - (TDDKA5)  
*Tidskrift for Dokumentation Tekniska Litteratursallskapet, Box 5073, 161 11 Bromma 11, Sweden*
- Tijdschr. Ned. Elektron.- & Radiogenoot. (Netherlands)** - (NERTA9)  
*Tijdschrift van het Nederlands Elektronica- en Radiogenootschap Postbus 39, Leidschendam, Netherlands*
- Tohoku Geophys. J. Sci. Rep. Tohoku Univ. Fifth Ser. (Japan)**  
*Tohoku Geophysical Journal, Science Reports of the Tohoku University, Fifth Series Formerly: *Sci. Rep. Tohoku Univ. Fifth Ser. Geophys. (Japan)* Faculty of Science, Tohoku University, Sendai 980, Japan*
- Toim. Eesti NSV Tead. Akad. Fuus. Mat. (USSR)** - (ETFM3)  
*Eesti NSV Teaduste Akadeemia. Toimetised. Fuusika, Matemaatika Sakala 3, Tallinn, Estonia, USSR*
- Tokyo Astron. Bull. (Japan)** - (TKABAC)  
*Tokyo Astronomical Bulletin Tokyo Astronomical Observatory, University of Tokyo, Mitaka, Tokyo, Japan*
- Tokyo Astron. Obs. Kiso Inf. Bull. (Japan)** - (KIBODE)  
*Tokyo Astronomical Observatory, Kiso Information Bulletin Mitaka, Tokyo, Japan*
- Tokyo Astron. Obs. Rep. (Japan)** - (TAORAO)  
*Tokyo Astronomical Observatory Report University of Tokyo, Mitaka, Tokyo, Japan*
- Tokyo Astron. Obs. Time & Latitude Bull. (Japan)** - (TATLBY)  
*Tokyo Astronomical Observatory Time and Latitude Bulletins Mitaka, Tokyo, Japan*
- Tool. & Prod. (USA)** - (TOPRAR)  
*Tooling and Production Huebner Publications, 5821 Harper Road, Solon, OH 44139, USA*
- Toshiba Rev. (Int. Ed.) (Japan)** - (TRIEA8)  
*Toshiba Review (International Edition) Tokyo Shibaura Electric Co., 1, Komukai Toshiba-Cho, Kawasaki, Japan*
- Toute Electron. (France)** - (TOELAM)  
*Toute l'Electronique Societe des Editions Radio, 9 rue Jacob, 75006 Paris, France*
- Tr. Ordena Lenina Fiz. Inst. P.N. Lebedeva (USSR)**  
*Trudy Ordena Lenina Fizicheskogo Instituta Im. P.N. Lebedeva Akademiya Nauk SSSR, Moskva, USSR [English translation in: *Proc. (Tr.) P.N. Lebedev Phys. Inst. (USA)*]*
- Traffic Eng. & Control (GB)** - (TENCA4)  
*Traffic Engineering & Control Printerhall Ltd., 29 Newman Street, London, W1P 3PE, England*
- Traffic Manage. (USA)** - (TRMADJ)  
*Traffic Management Cahners Publishing Co., 221 Columbus Avenue, Boston, MA 02116, USA*
- Traffic Manage. Int. (USA)** - (TMIND3)  
*Traffic Management International Cahners Publishing Co., 221 Columbus Avenue, Boston, MA 02116, USA*
- Trans. & J. Br. Ceram. Soc. (GB)** - (TJBCAD)  
*Transactions and Journal of the British Ceramic Society Shelton House, Stoke-on-Trent, England*
- Trans. Am. Nucl. Soc. (USA)** - (TANSAO)  
*Transactions of the American Nuclear Society American Nuclear Society, 555 North Kensington Avenue, La Grange Park, IL 60525, USA*
- Trans. ASME. J. Appl. Mech. (USA)** - (JAMCAV)  
*Transactions of the ASME. Journal of Applied Mechanics American Society of Mechanical Engineers, 345 East 47th Street, New York, NY 10017, USA*
- Trans. ASME. J. Biomech. Eng. (USA)** - (JBENDY)  
*Transactions of the ASME. Journal of Biomechanical Engineering American Society of Mechanical Engineers, 345 East 47th Street, New York, NY 10017, USA*
- Trans. ASME. J. Dyn. Syst. Meas. & Control (USA)** - (JDSMAA)  
*Transactions of the ASME. Journal of Dynamic Systems, Measurement and Control American Society of Mechanical Engineers, 345 East 47th Street, New York, NY 10017, USA*
- Trans. ASME. J. Energy Resour. Technol. (USA)** - (JERTD2)  
*Transactions of the ASME. Journal of Energy Resources Technology American Society of Mechanical Engineers, 345 East 47th Street, New York, NY 10017, USA*
- Trans. ASME. J. Eng. Ind. (USA)** - (JEFIA8)  
*Transactions of the ASME. Journal of Engineering for Industry American Society of Mechanical Engineers, 345 East 47th Street, New York, NY 10017, USA*
- Trans. ASME. J. Eng. Mater. & Technol. (USA)** - (JEMTA8)  
*Transactions of the ASME. Journal of Engineering Materials and Technology American Society of Mechanical Engineers, 345 East 47th Street, New York, NY 10017, USA*
- Trans. ASME. J. Eng. Power (USA)** - (JEPOA8)  
*Transactions of the ASME. Journal of Engineering for Power American Society of Mechanical Engineers, 345 East 47th Street, New York, NY 10017, USA*
- Trans. ASME. J. Fluids Eng. (USA)** - (JFEGA4)  
*Transactions of the ASME. Journal of Fluids Engineering American Society of Mechanical Engineers, 345 East 47th Street, New York, NY 10017, USA*
- Trans. ASME. J. Heat Transfer (USA)** - (JHTRAO)  
*Transactions of the ASME. Journal of Heat Transfer American Society of Mechanical Engineers, 345 East 47th Street, New York, NY 10017, USA*
- Trans. ASME. J. Lubr. Technol. (USA)** - (JLUTAT)  
*Transactions of the ASME. Journal of Lubrication Technology American Society of Mechanical Engineers, 345 East 47th Street, New York, NY 10017, USA*
- Trans. ASME. J. Mech. Des. (USA)** - (JMDEDB)  
*Transaction of the ASME. Journal of Mechanical Design American Society of Mechanical Engineers, 345 East 47th Street, New York, NY 10017, USA*
- Trans. ASME. J. Pressure Vessel Technol. (USA)** - (JPVTAS)  
*Transactions of the ASME. Journal of Pressure Vessel Technology American Society of Mechanical Engineers, 345 East 47th Street, New York, NY 10017, USA*
- Trans. ASME. J. Sol. Energy Eng. (USA)** - (JSEEDO)  
*Transactions of the ASME. Journal of Solar Energy Engineering American Society of Mechanical Engineers, 345 East 47th Street, New York, NY 10017, USA*
- Trans. Bose Res. Inst. (India)** - (TBICAQ)  
*Transactions of the Bose Research Institute 93/1 Acharya Prafulla Chandra Road, Calcutta 9, India*
- Trans. Electr. Supply Auth. Eng. Inst. N.Z. (New Zealand)** - (TSAZD7)  
*Transactions of the Electric Supply Authority Engineers' Institute of New Zealand Inc P.O. Box 3047, Wellington, New Zealand*
- Trans. Inf. Process. Soc. Jpn. (Japan)** - (JSGRD5)  
*Transactions of the Information Processing Society of Japan Kikai-Shinko-Kai Bldg., 3-5-8 Shiba-koen, Minato-ku, Tokyo 105, Japan*
- Trans. Inst. Chem. Eng. (GB)** - (TICEAH)  
*Transactions of the Institution of Chemical Engineers 16 Belgrave Square, London SW1X 8PT, England*
- Trans. Inst. Electr. Eng. Jpn. Part A (Japan)** - (DGKRA8)  
*Transactions of the Institute of Electrical Engineers of Japan, Part A Yuraku-cho, Chiyoda-ku, Tokyo, Japan. Translation in: *Electr. Eng. Jpn. (USA)**
- Trans. Inst. Electr. Eng. Jpn. Part B (Japan)** - (DGRBDW)  
*Transactions of the Institute of Electrical Engineers of Japan, Part B Yuraku-cho, Chiyoda-ku, Tokyo, Japan. Translation in: *Electr. Eng. Jpn. (USA)**
- Trans. Inst. Electr. Eng. Jpn. Part C (Japan)** - (DGRCDZ)  
*Transactions of the Institute of Electrical Engineers of Japan, Part C Yuraku-cho, Chiyoda-ku, Tokyo, Japan. Translation in: *Electr. Eng. Jpn. (USA)**
- Trans. Inst. Electr. Eng. Jpn. Sect. E (Japan)** - (TIEJDB)  
*Transactions of the Institute of Electrical Engineers of Japan, Section E Denki Gakkai, 1-12-1 Yurakucho, Chiyodaku, Tokyo, Japan. Contains original contributions in English and abridged version in English of papers published in Japanese in *Trans. Inst. Electr. Eng. Jpn. Parts A, B and C (Japan)**
- Trans. Inst. Electron. & Commun. Eng. Jpn. Part A (Japan)** - (DTGABT)  
*Transactions of the Institute of Electronics and Communication Engineers of Japan, Part A Denshi Tsushin Gakkai, Kikai-Shinko-Kaikan, 5-8 Shibakoen 3 Chome, Minato-ku, Tokyo 105, Japan. English translation of selected articles appear in *Electron. & Commun. Jap. (USA)* and *Syst. Comput. Control (USA)**
- Trans. Inst. Electron. & Commun. Eng. Jpn. Part B (Japan)** - (DTGBBW)  
*Transactions of the Institute of Electronics and Communication Engineers of Japan, Part B Denshi Tsushin Gakkai, Kikai-Shinko-Kaikan, 5-8 Shibakoen 3 Chome, Minato-ku, Tokyo 105, Japan. English translation of selected articles appear in *Electron. & Commun. Jap. (USA)* and *Syst. Comput. Control (USA)**

- Trans. Inst. Electron. & Commun. Eng. Jpn. Part C (Japan)** - (DTGCAY)  
*Transactions of the Institute of Electronics and Communication Engineers of Japan, Part C* Denshi Tsushin Gakkai, Kikai-Shinko-Kaikan, 5-8 Shibakoen 3 Chome, Minato-ku, Tokyo 105, Japan. English translation of selected articles appear in Electron. & Commun. Jap. (USA) and Syst. Comput. Control (USA)
- Trans. Inst. Electron. & Commun. Eng. Jpn. Part D (Japan)** - (DTGDA3)  
*Transactions of the Institute of Electronics and Communication Engineers of Japan, Part D* Denshi Tsushin Gakkai, Kikai-Shinko-Kaikan, 5-8 Shibakoen 3 Chome, Minato-ku, Tokyo 105, Japan. English translation of selected articles appear in Electron. & Commun. Jap. (USA) and Syst. Comput. Control (USA)
- Trans. Inst. Electron. & Commun. Eng. Jpn. Sect. E (Japan)** - (TIEEDU)  
*Transactions of the Institute of Electronics and Communication Engineers of Japan, Section E (English)* Denshi Tsushin Gakkai, Kikai-Shinko-Kaikan, 5-8 Shibakoen 3 Chome, Minato-ku, Tokyo, Japan. Contains original contributions in English and abridged version in English of papers and letters published in Japanese in Trans. Inst. Electron. & Commun. Eng. Jpn. Parts A, B, C and D (Japan)
- Trans. Inst. Eng. Aust. Civ. Eng. (Australia)** - (TEACDA)  
*Transactions of the Institution of Engineers, Australia, Civil Engineering* Formerly: *Inst. Eng. Aust. Civ. Eng. Trans. (Australia)* 11 National Circuit, Barton, A.C.T. 2600, Australia
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*Transactions of the Institution of Engineers, Australia Electrical Engineering* Formerly: *Inst. Eng. Aust. Electr. Eng. Trans. (Australia)* 11 National Circuit, Barton, A.C.T. 2600, Australia. Merged with Proc. IREE Aust. (Australia) to form J. Electr. & Electron. Eng. Aust. (Australia)
- Trans. Inst. Eng. Aust. Gen. Eng. (Australia)** - (TRGEDZ)  
*Transactions of the Institution of Engineers, Australia, General Engineering* 11 National Circuit, Barton, A.C.T. 2600, Australia
- Trans. Inst. Eng. Aust. Mech. Eng. (Australia)** - (TEAMD6)  
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*Transactions of the Japan Institute of Metals* Japan Institute of Metals, Aoba Araniaki, Sendai 980, Japan
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*Transactions of National Research Institute for Metals* 3-12, 2-chome, Nakameguro, Meguro-ku, Tokyo, Japan
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*Transactions of the North East Coast Institution of Engineers and Shipbuilders* Sunderland Polytechnic, Chester Road, Sunderland, Tyne and Wear SR1 3SD, England
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*Transactions of the Royal Society of Canada (Memoires de la Societe Royale du Canada)* National Library, 395 Wellington Street, Ottawa 4, Canada. University of Toronto Press, Toronto 5, Ontario
- Trans. Rhod. Sci. Assoc. (Rhodesia)** - (TRSADE)  
*Transactions of the Rhodesia Scientific Association* Title changed to: *Trans. Zimbabwe Sci. Assoc.*
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*Transactions of the Society of Instrument and Control Engineers* Kotohira Annex, 39 Kotohira-cho Shiba, Minato-ku, Tokyo 105, Japan
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*Transactions of the Zimbabwe Scientific Association* Formerly: *Trans. Rhod. Sci. Assoc. (Rhodesia)* M.O. Collins (Pvt.) Ltd., P.O. Box 3094, Salisbury, Zimbabwe
- Transducer Technol. (GB)** - (TTECDX)  
*Transducer Technology* Industrial Media Ltd., 6 Frant Road, Tunbridge Wells, Kent TN2 5SJ, England
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*Transelektro News* Hungarian Trading Co. for Electrical Equipment and Supplies, Budapest 62, PO Box 337, Hungary
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*Transnational Data Report* North-Holland Publishing Co., P.O.Box 211, 1000 AE Amsterdam, Netherlands
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*Transport Planning and Technology* Gordon and Breach Science Publications Ltd. 41 and 42 William IV Street, London, WC2, England
- Transp. Res. Part A (GB)** - (TRAGDB)  
*Transportation Research Part A: General* Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England
- Transp. Res. Part B (GB)** - (TRBMDY)  
*Transportation Research Part B: Methodological* Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England
- Transp. Sci. (USA)** - (TRSCBJ)  
*Transportation Science* Operations Research Society of America, 428 East Preston Street, Baltimore, MD 21202, USA
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*Transport Theory and Statistical Physics* Marcel Dekker Inc., 270 Madison Avenue, New York, NY 10016, USA
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*Tribology International* IPC Science and Technology Press Ltd., P.O. Box 63, Westbury House, Bury Street, Guildford, Surrey GU2 5BH, England
- TSS & TSS News (Egypt)** - (TSSNDR)  
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*Tudományos és Muszaki Tajekoztatás* Országos Muszaki Könyvtár és Dokumentációs Központ, Budapest VIII, Reviczky u. 6, Hungary
- Ugyvitel & Inf. Allamigazgatásban (Hungary)** - (UIALD8)  
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- Ukr. Fiz. Zh. (USSR)** - (UFIZAW)  
*Ukrayins'kyi Fizychnyi Zhurnal* 'Naukova Dumka', Kiev, Repina 3, USSR
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*Ultramicroscopy* North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands
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*Umschau in Wissenschaft und Technik* Umschau Verlag, Stuttgarter Strasse 18-24, 6 Frankfurt am Main, Germany
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*Und-oder-Nor & Steuerungstechnik* Distribution-Verlag GmbH, 65 Mainz, Lessingstrasse 12-14, Germany
- Unesco J. Inf. Sci. Librarianship & Arch. Adm. (France)** - (UJIADM)  
*Unesco Journal of Information Science, Librarianship and Archives Administration* United Nations Educational, Scientific and Cultural Organization, 7 Place de Fontenay, 75700 Paris, France
- Union Burma J. Sci. & Technol.** - (UBJSAM)  
*Union of Burma Journal of Science and Technology* Union of Burma Applied Research Institute, Yankin P.O., Rangoon, Burma
- Univ. Tripoli Bull. Fac. Eng. (Libya)** - (BFETDQ)  
*University of Tripoli Bulletin of the Faculty of Engineering* P.O. Box 1098, Tripoli, Libya
- Usp. Fiz. Nauk (USSR)** - (UFNAAG)  
*Uspekhi Fizicheskii Nauk* Agent: Mezhdunarodnaya Kniga, Moskva, USSR [English translation in: *Sov. Phys.-Usp. (USA)*]
- USSR Comput. Math. & Math. Phys. (GB)** - (CMMPA9)  
*U.S.S.R. Computational Mathematics and Mathematical Physics* [Translation of: *Zh. Vychisl. Mat. & Mat. Fiz. (USSR)*] Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England
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- VDI Z. (Germany)** - (VDIZAT)  
*VDI Zeitschrift* Verlag des Vereins Deutscher Ingenieure, Graf-Recke Strasse 84, 4 Dusseldorf 1, Germany
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*Vehicle System Dynamics* Swets & Zeitlinger N.V., 347B Heereweg, Lisse, Netherlands
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*Verkstaderna* Storgatan 5, Box 5510, 114 85 Stockholm 5, Sweden
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*Vestnik Leningradskogo Universiteta Fizika i Khimiya* Leningrad University Press. Universitetskaya Nab.7/9, Leningrad B-164, USSR
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*Vestnik Mashinostroeniya* Mashinostroenie, Prospekt Mira, d. 106, Moskva, GSP-110, USSR. Translation of selected articles appear in Sov. Eng. Res. (GB)
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*Visible Language* c/o Cleveland Museum of Art, Cleveland, OH 44106, USA
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*Waerme- und Stoffuebertragung* Springer-Verlag, 1 Berlin 33, Heidelbergberger Platz 3, Germany
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*Wave Electronics* Elsevier Scientific Publishing Co., P.O. Box 211, Amsterdam, Netherlands
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*Wave Motion* North-Holland Publishing Co., P.O. Box 211, 1000 AE Amsterdam, Netherlands
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- Wireless World (GB) – (WIWOAA)**  
*Wireless World* IPC Electrical-Electronic Press Ltd., Dorset House, Stamford Street, London, SE1 9LU, England
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*Wissenschaftliche Zeitschrift der Universität Rostock, Gesellschafts- und Sprachwissenschaftliche Reihe* Rostock, Vogelsang 13/14, Germany
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- Word Process. & Inf. Syst. (USA) – (WPISD4)**  
*Word Processing & Information Systems* Formerly: *Word Process. Syst. (USA)* Geyer-McAllister Publications Inc., 51 Madison Avenue, New York, NY 10010, USA
- Word Process. Now (GB) – (WPNOHD)**  
*Word Processing Now* Maclean-Hunter Ltd., 76 Oxford Street, London W1, England
- Word Process. Syst. (USA) – (WPSYD4)**  
*Word Processing Systems* Title changed to: *Word Process. & Inf. Syst. (USA)*
- World Patent Inf. (USA) – (WPAID2)**  
*World Patent Information* Pergamon International Information Corp., 1340 Old Chain Bridge Road, McLean, VA 22101, USA. Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, England
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- Z. Phys. A (Germany)** – (ZPAADB)  
*Zeitschrift für Physik A (Atoms and Nuclei)* Springer-Verlag, D-6900 Heidelberg 1 Postfach 105 280, Germany
- Z. Phys. B (Germany)** – (ZPBBDJ)  
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*Zeitschrift für physikalische Chemie* Akademische Verlagsgesellschaft Geest und Portig K.-G., Sternwartenstrasse 8, 701 Leipzig, Germany
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*Zeitschrift für Vermessungswesen* Verlag Konrad Wittwer KG, Postfach 147, D-7000 Stuttgart 1, Germany
- ZANCO Ser. A (Iraq)** – (ZASADU)  
*ZANCO. Scientific Journal of Sulaimaniyah University Series A: Pure and Applied Sciences* Sulaimaniyah, Iraq
- Zavod. Lab. (USSR)** – (ZVDLAU)  
*Zavodskaya Laboratoriya* 2-i, Obyedenskii Per., D, 14, Moskva, G-34, USSR [English translation in: *Ind. Lab. (USA)*]
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*Zhurnal Nauchnoi i Prikladnoi Fotografii i Kinematografii* Izdatel'stvo 'Nauka', Moskva, USSR
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*Zhurnal Strukturnoi Khimii* Editorial address: Director, Institute of Inorganic Chemistry, Siberian Branch, Academy of Sciences of the USSR, USSR [English translation in: *J. Struct. Chem. (USA)*]
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- Zimbabwe Eng.** – (ZIENDL)  
*Zimbabwe Engineer* Formerly: *Rhod. Eng. (Rhodesia)* Rhodesian Institution of Engineers, First Floor, 256 Jameson Avenue East, Salisbury, Zimbabwe
- Zisin. J. Seismol. Soc. Jpn. (Japan)** – (ZISIA5)  
*Zisin. Journal of the Seismological Society of Japan* c/o Earthquake Research Institute, Tokyo University, Yayoi, Bunkyo-ku, Tokyo, Japan
- ZWF Z. Wirtsch. Fertigung (Germany)** – (ZTWFAF)  
*ZWF Zeitschrift für Wirtschaftliche Fertigung* Carl Hanser Verlag, Kolbergerstrasse 22, D-8000 München 80, Germany

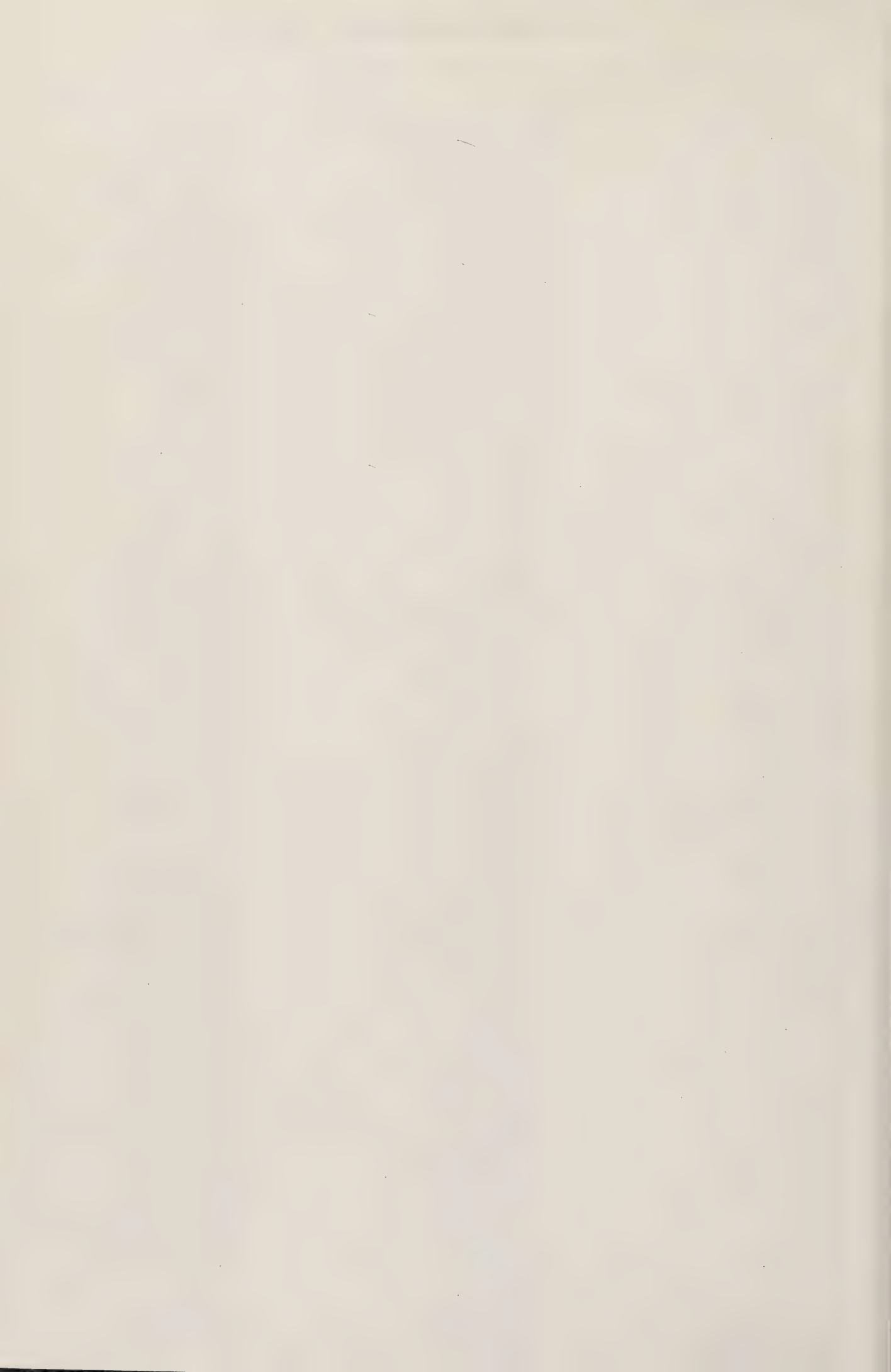


# JOURNALS ABSTRACTED COMPLETELY

Selection of articles from any journal included in the **List of Journals** depends on the subject of the articles and their quality.

A number of these journals however are central to the INSPEC subject field and of a quality such that, virtually without exception, all articles are regularly abstracted. These journals are listed below.

ACM Trans. Database Syst. (USA)	IEEE Trans. Acoust., Speech & Signal Process. (USA)	Met. Forum (Australia)
ACM Trans. Math. Software (USA)	IEEE Trans. Aerosp. & Electron. Syst. (USA)	Met. Sci. (GB)
ACM Trans. Program. Lang. & Syst. (USA)	IEEE Trans. Antennas & Propag. (USA)	Metall. Trans. A (USA)
Acta Crystallogr. Sect. A (Denmark)	IEEE Trans. Autom. Control (USA)	Metrika (Austria)
Acta Electron. (France)	IEEE Trans. Biomed. Eng. (USA)	Microelectron. & Reliab. (GB)
Acta Inf. (Germany)	IEEE Trans. Broadcast. (USA)	Mol. Phys. (GB)
Acta Metall. (USA)	IEEE Trans. Cable Telev. (USA)	Mon. Not. R. Astron. Soc. (GB)
Acta Phys. Acad. Sci. Hung. (Hungary)	IEEE Trans. Circuits & Syst. (USA)	Nachrichtentech. Elektron. (Germany)
Acta Phys. Austriaca	IEEE Trans. Commun. (USA)	Nachrichtentech. Z. (Germany)
Acta Phys. Pol. A (Poland)	IEEE Trans. Components, Hybrids & Manuf. Technol. (USA)	Networks (USA)
Acta Phys. Pol. B (Poland)	IEEE Trans. Comput. (USA)	Nouv. Autom. (France)
Acta Phys. Sin. (China)	IEEE Trans. Consum. Electron. (USA)	Nucl. Fusion (Austria)
Acta Polytech. Scand. El. (Finland)	IEEE Trans. Educ. (USA)	Nucl. Instrum. & Methods Phys. Res. (Netherlands)
Acustica (Germany)	IEEE Trans. Electr. Insul. (USA)	Nucl. Phys. A (Netherlands)
Adv. Phys. (GB)	IEEE Trans. Electromagn. Compat. (USA)	Nucl. Phys. B (Netherlands)
AEDS J. (USA)	IEEE Trans. Electron Devices (USA)	Nucl. Sci. & Eng. (USA)
AIP Conf. Proc. (USA)	IEEE Trans. Eng. Manage. (USA)	Nucl. Technol. (USA)
Akust. Zh. (USSR)	IEEE Trans. Geosci. & Remote Sensing (USA)	Numer. Math. (Germany)
Am. J. Phys. (USA)	IEEE Trans. Ind. Appl. (USA)	Nuovo Cimento A (Italy)
Angew. Inf. (Germany)	IEEE Trans. Ind. Electron. & Control Instrum. (USA)	Nuovo Cimento B (Italy)
Ann. Phys. (France)	IEEE Trans. Inf. Theory (USA)	Nuovo Cimento C (Italy)
Ann. Phys. (Germany)	IEEE Trans. Instrum. & Meas. (USA)	Opt. & Quantum Electron. (GB)
Ann. Phys. (USA)	IEEE Trans. Magn. (USA)	Opt. & Spectrosc. (USA)
Appl. Opt. (USA)	IEEE Trans. Microwave Theory & Tech. (USA)	Opt. Acta (GB)
Appl. Phys. A (Germany)	IEEE Trans. Nucl. Sci. (USA)	Opt. Commun. (Netherlands)
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Appl. Phys. Lett. (USA)	IEEE Trans. Plasma Sci. (USA)	Opt. Lett. (USA)
Arch. Elektron. & Uebertragungstech. (Germany)	IEEE Trans. Power Appar. & Syst. (USA)	Optik (Germany)
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# THE TRANSLITERATION OF RUSSIAN FOR BIBLIOGRAPHICAL PURPOSES

English Letters	Languages	Cyrillic Letters	English Letters	Languages	Cyrillic Letters
a	R S B	А а	p	R S B	П п
b	R S B	Б б	r	R S B	Р р
ch	R S B	Ч ч	s	R S B	С с
d	R S B	Д д	sh	R S B	Ш ш
e	R S B	Е е	shch	R	Щ щ
ë	R	Ё ё	sht	B	Ъ ъ
é	R	Э э	t	R S B	Т т
ê	R B	Ё ё	t'	R B	ТЬ ть
f	R S B	Ф ф	t'	S	Ъ ъ
g	R S B	Г г	th	R	Ө ө
i	R S B	И и	ts	R S B	Ц ц
ī	R	І і	t-s	R S B	ТС тс
ï	R B	Й й	u	R S B	У у
j	S	Ў ў	ū	B	Ъ ъ
j'	S	Ў ў	ū	B	Ж ж
k	R S B	К к	v	R S B	В в
kh	R S B	Х х	y	S	Ј ј
l	R S B	Л л	ȳ	R	Ы ы
l'	R B	Ль ль	ÿ	R	Ѹ Ѹ
l'	S	Ль ль	ya	R B	Я я
m	R S B	М м	yu	R B	Ю ю
n	R S B	Н н	z	R S B	З з
n'	R B	Нь нь	zh	R S B	Ж ж
n'	S	Нь нь	'	R	Ъ ъ
o	R S B	О о	'	R B	Ь ь

The use of l', n' and t' in Russian and Bulgarian (where they are not transliterations of a single letter, but merely l, n or t followed by the soft sign) is included to emphasise the fact that they are used for single letters only in Serbian.

'Shch' and 'sht' invariably represent the letter III, in Russian and Bulgarian, respectively, since the pairs of letters (IIIh in Russian and IIIT in Bulgarian) seem never to occur consecutively in the respective languages.

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English Page	Page	Page	Page	Page	Page
1	2	3	4	5	6
7	8	9	10	11	12
13	14	15	16	17	18
19	20	21	22	23	24
25	26	27	28	29	30
31	32	33	34	35	36
37	38	39	40	41	42
43	44	45	46	47	48
49	50	51	52	53	54
55	56	57	58	59	60
61	62	63	64	65	66
67	68	69	70	71	72
73	74	75	76	77	78
79	80	81	82	83	84
85	86	87	88	89	90
91	92	93	94	95	96
97	98	99	100	101	102
103	104	105	106	107	108
109	110	111	112	113	114
115	116	117	118	119	120
121	122	123	124	125	126
127	128	129	130	131	132
133	134	135	136	137	138
139	140	141	142	143	144
145	146	147	148	149	150
151	152	153	154	155	156
157	158	159	160	161	162
163	164	165	166	167	168
169	170	171	172	173	174
175	176	177	178	179	180
181	182	183	184	185	186
187	188	189	190	191	192
193	194	195	196	197	198
199	200	201	202	203	204
205	206	207	208	209	210
211	212	213	214	215	216
217	218	219	220	221	222
223	224	225	226	227	228
229	230	231	232	233	234
235	236	237	238	239	240
241	242	243	244	245	246
247	248	249	250	251	252
253	254	255	256	257	258
259	260	261	262	263	264
265	266	267	268	269	270
271	272	273	274	275	276
277	278	279	280	281	282
283	284	285	286	287	288
289	290	291	292	293	294
295	296	297	298	299	300

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